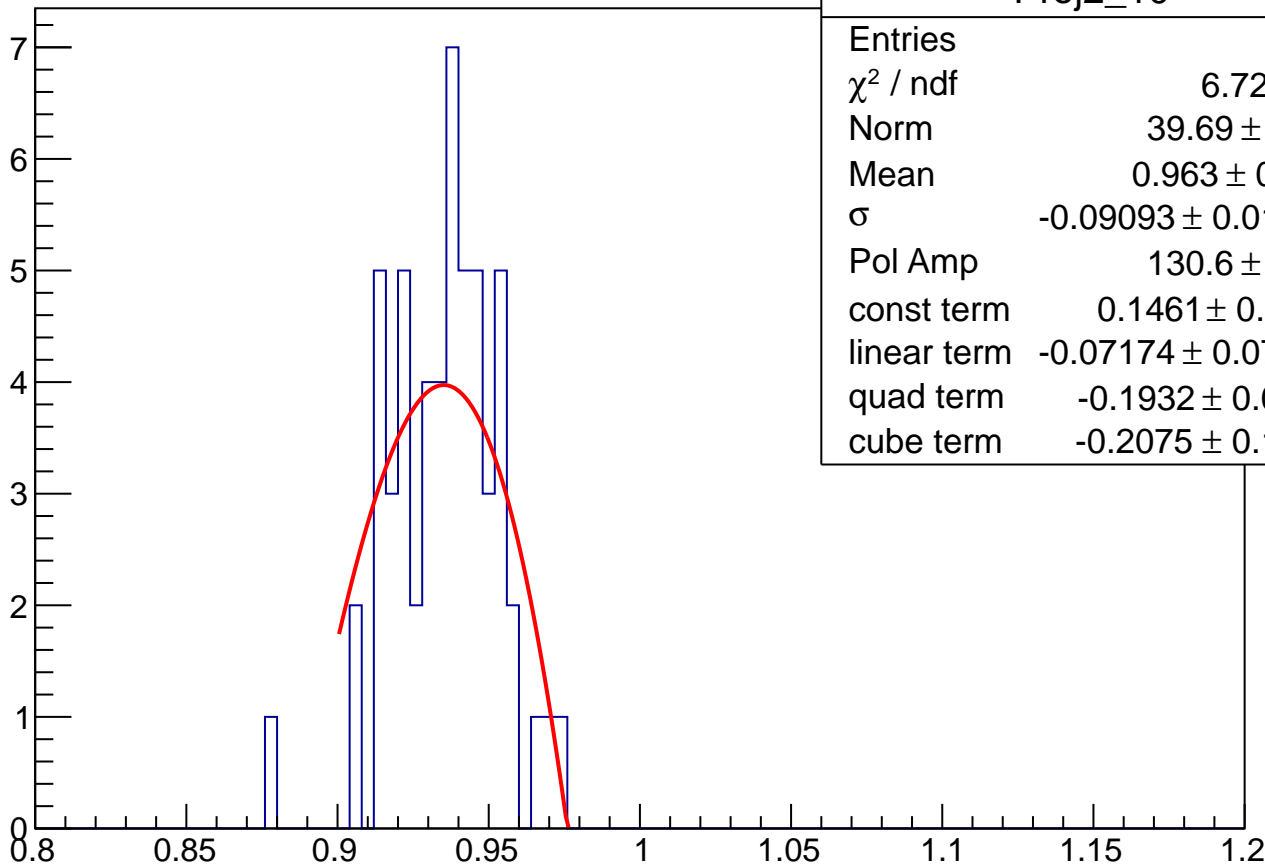


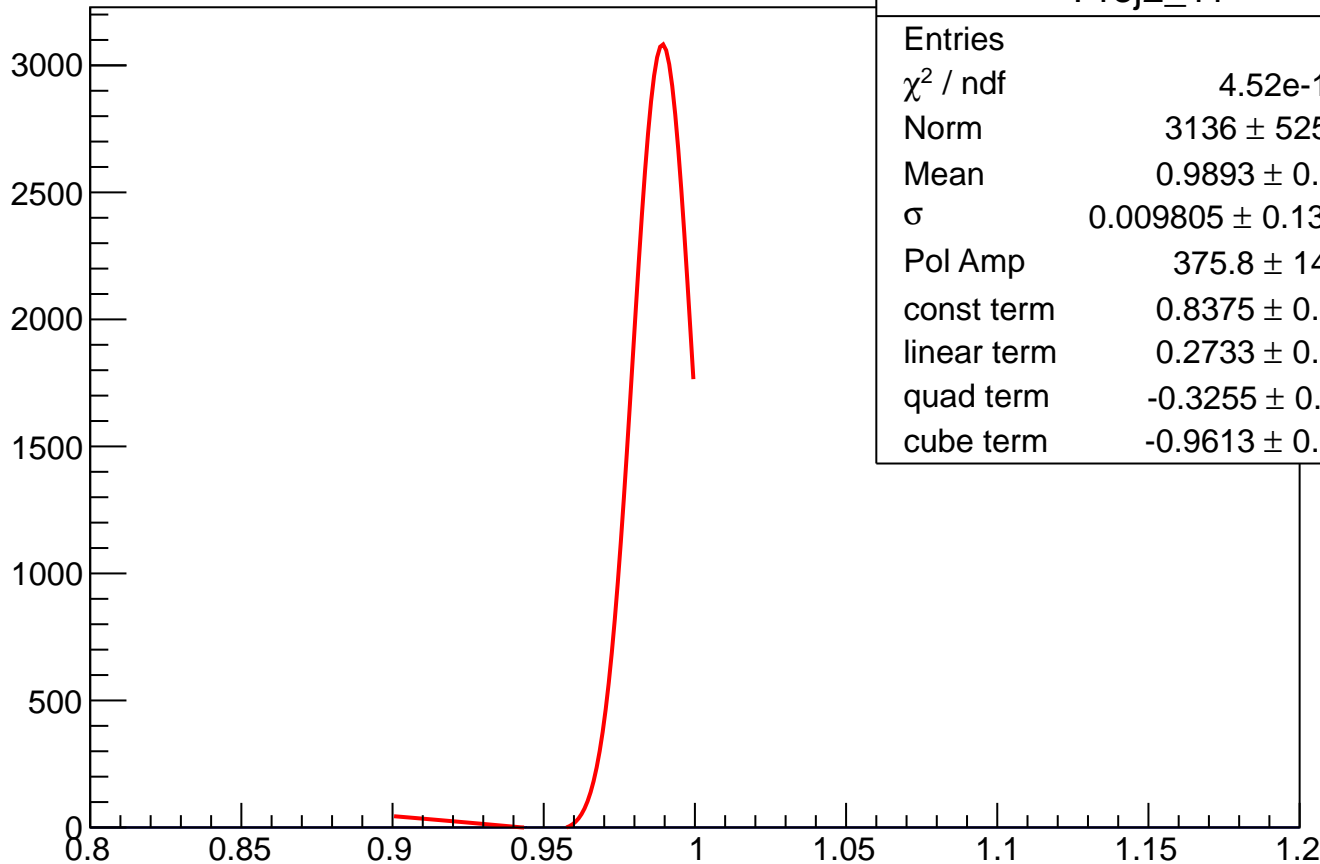
PhiThetaMassPim

Proj2_10



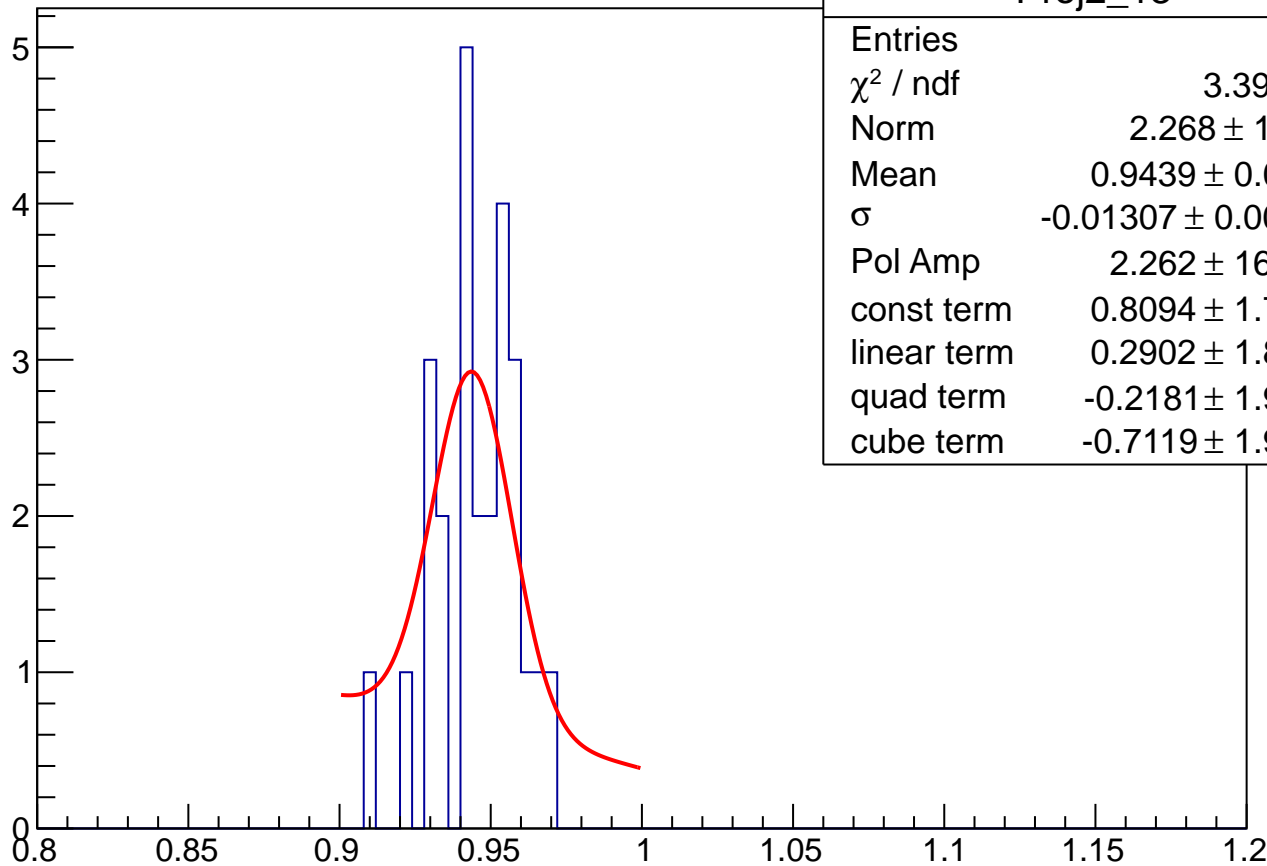
Entries	56
χ^2 / ndf	6.727 / 8
Norm	39.69 ± 7.78
Mean	0.963 ± 0.021
σ	-0.09093 ± 0.01700
Pol Amp	130.6 ± 52.9
const term	0.1461 ± 0.1931
linear term	-0.07174 ± 0.07959
quad term	-0.1932 ± 0.0533
cube term	-0.2075 ± 0.1775

PhiThetaMassPim

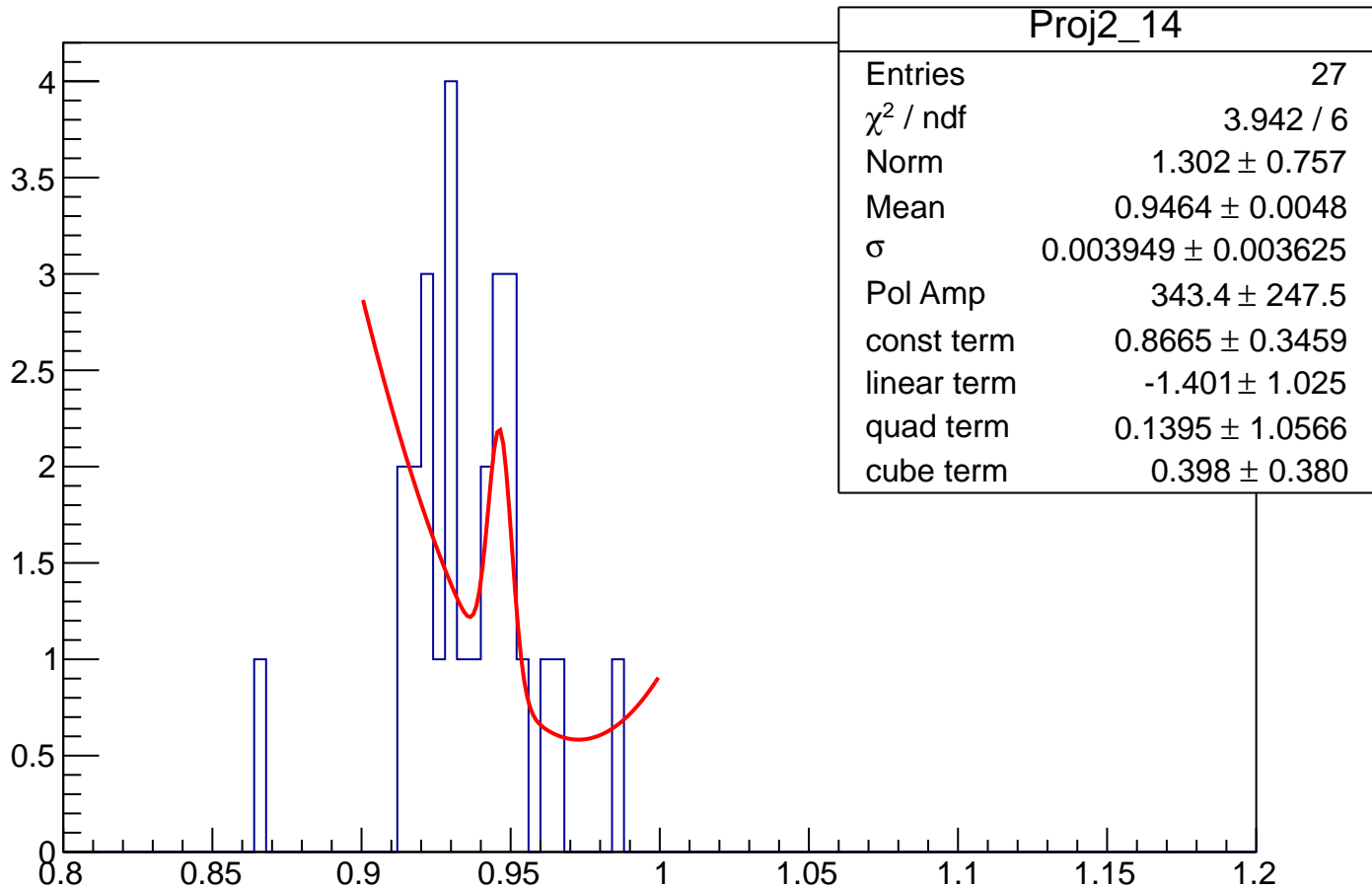


PhiThetaMassPim

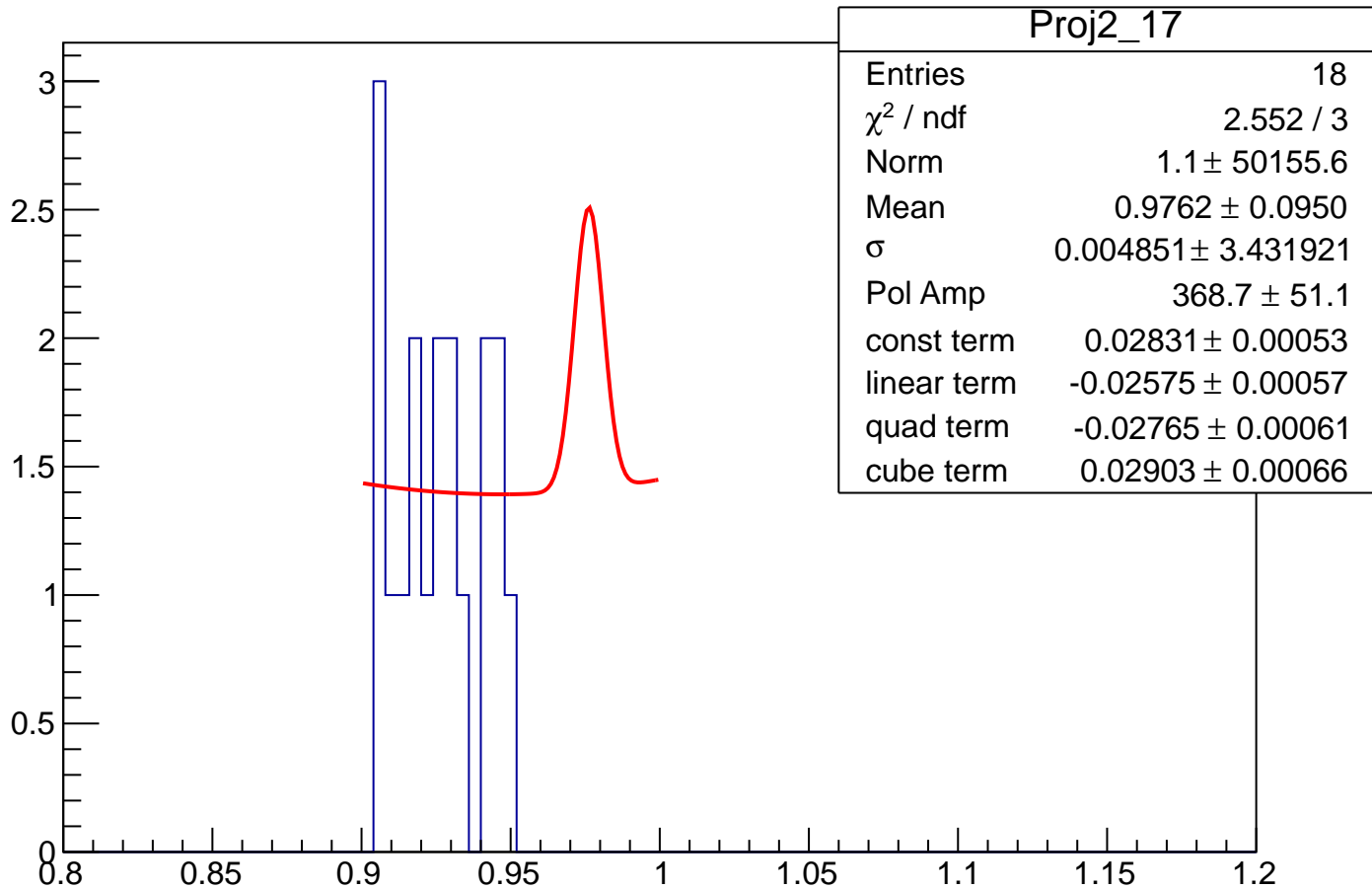
Proj2_13



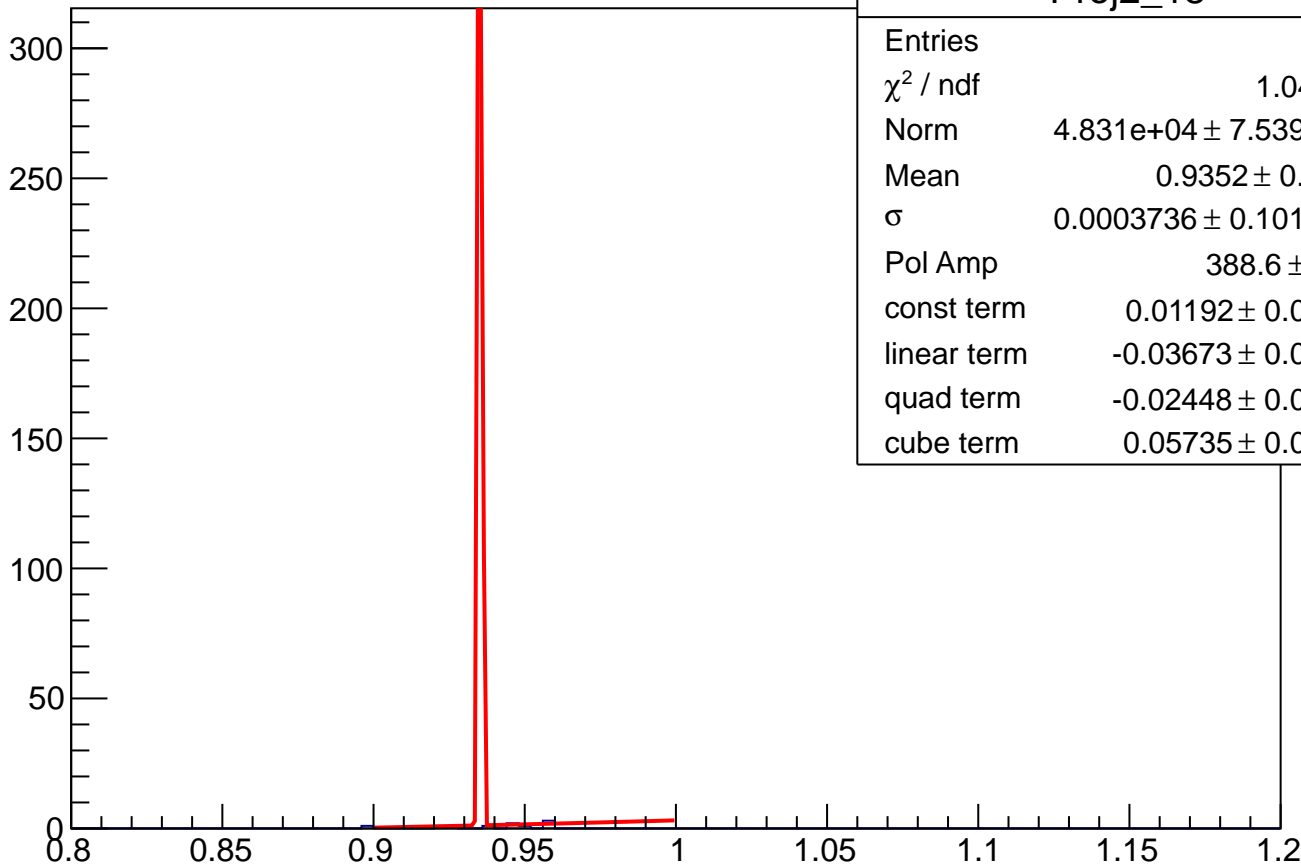
PhiThetaMassPim



PhiThetaMassPim



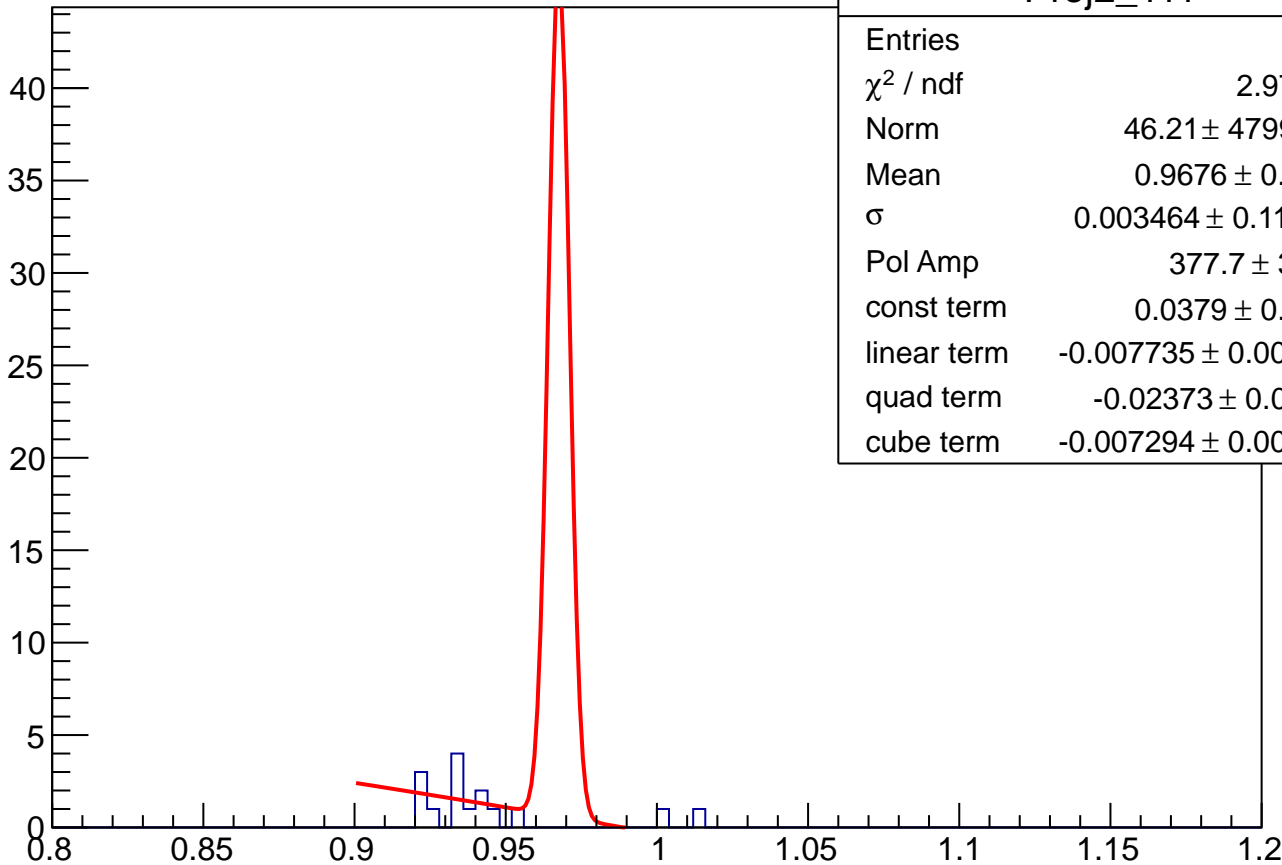
PhiThetaMassPim



Proj2_18

Entries	10
χ^2 / ndf	1.044 / 0
Norm	$4.831\text{e}+04 \pm 7.539\text{e}+03$
Mean	0.9352 ± 0.0709
σ	0.0003736 ± 0.1010432
Pol Amp	388.6 ± 18.9
const term	0.01192 ± 0.00016
linear term	-0.03673 ± 0.00017
quad term	-0.02448 ± 0.00018
cube term	0.05735 ± 0.00020

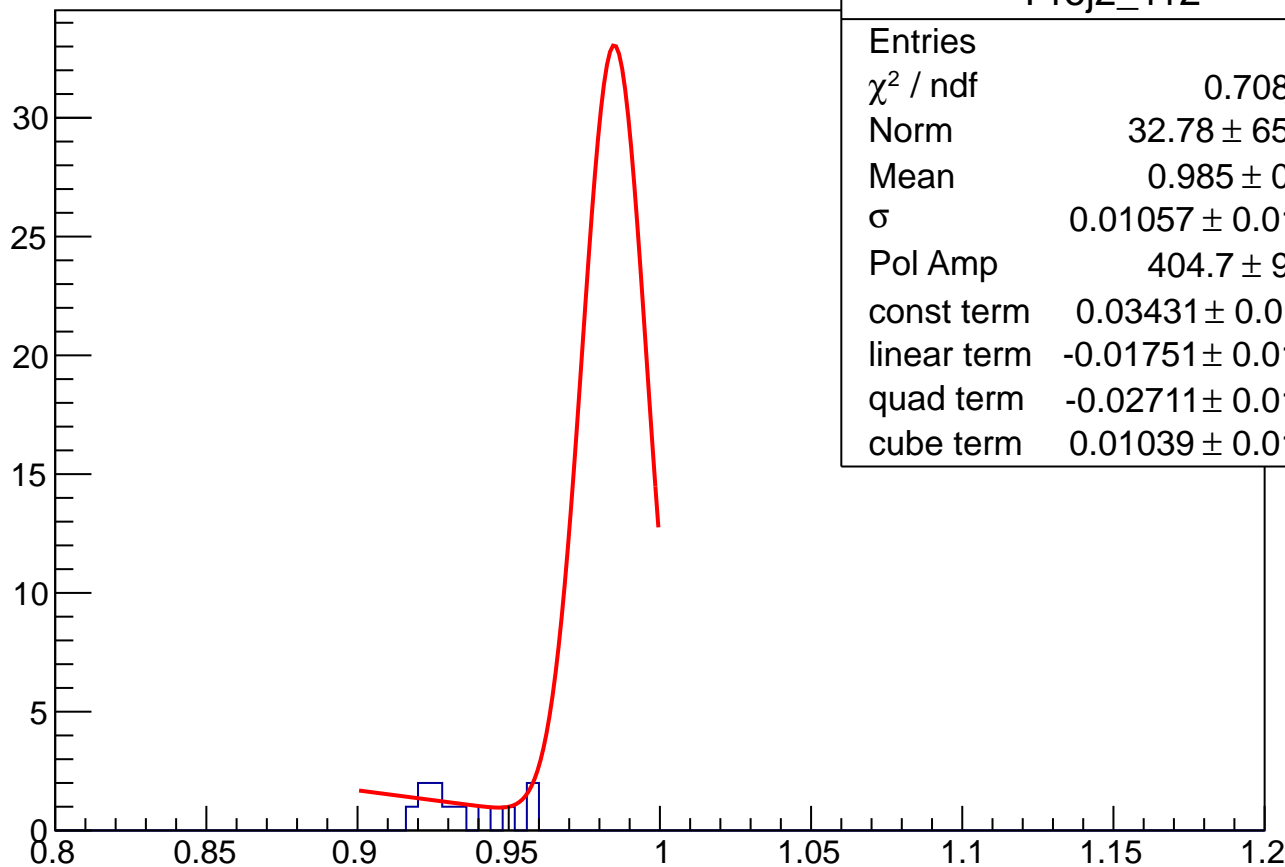
PhiThetaMassPim



Proj2_111

Entries	15
χ^2 / ndf	2.975 / 0
Norm	46.21 ± 47996.56
Mean	0.9676 ± 0.0627
σ	0.003464 ± 0.111429
Pol Amp	377.7 ± 383.5
const term	0.0379 ± 0.0044
linear term	-0.007735 ± 0.004634
quad term	-0.02373 ± 0.00492
cube term	-0.007294 ± 0.005208

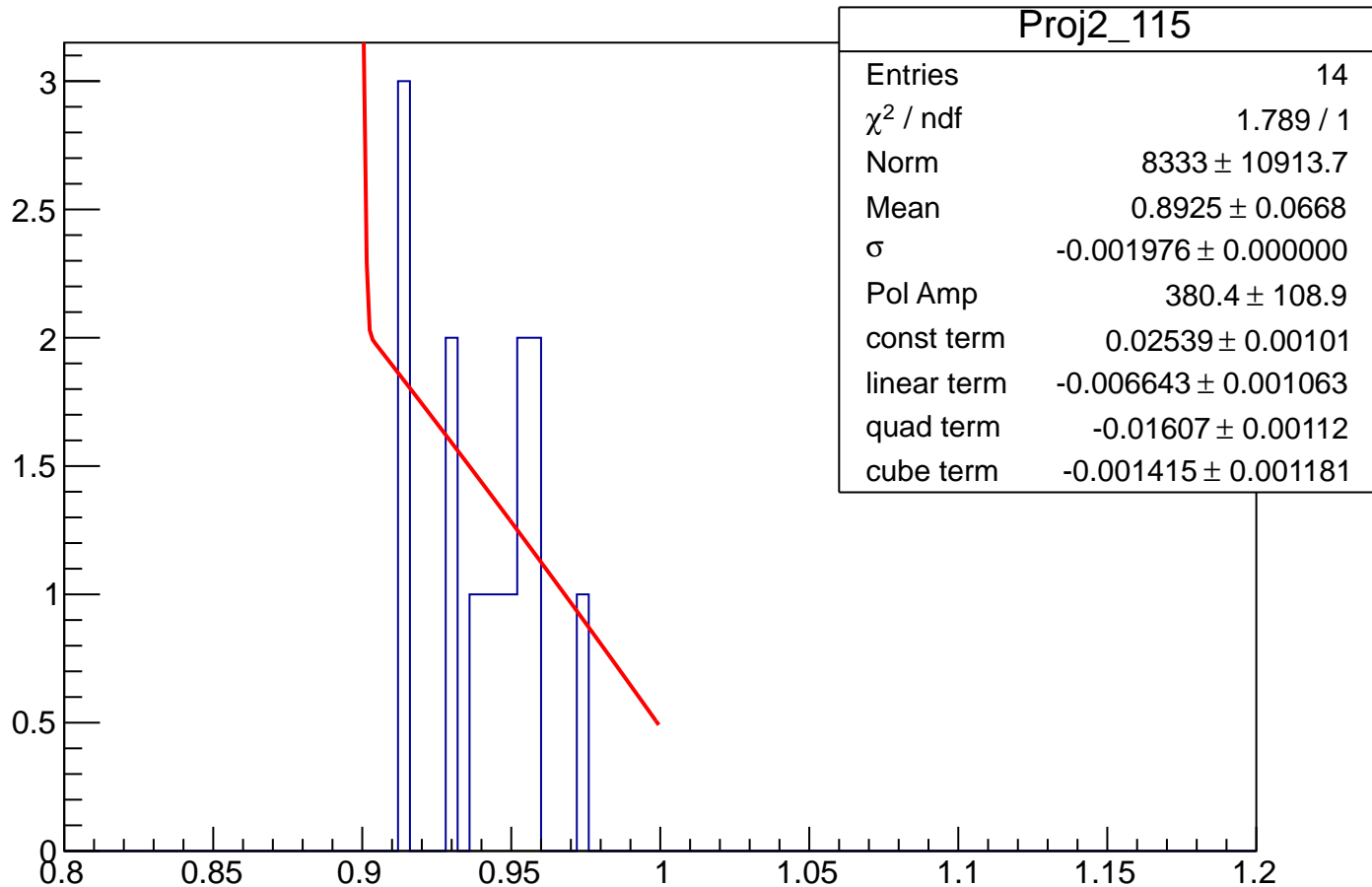
PhiThetaMassPim



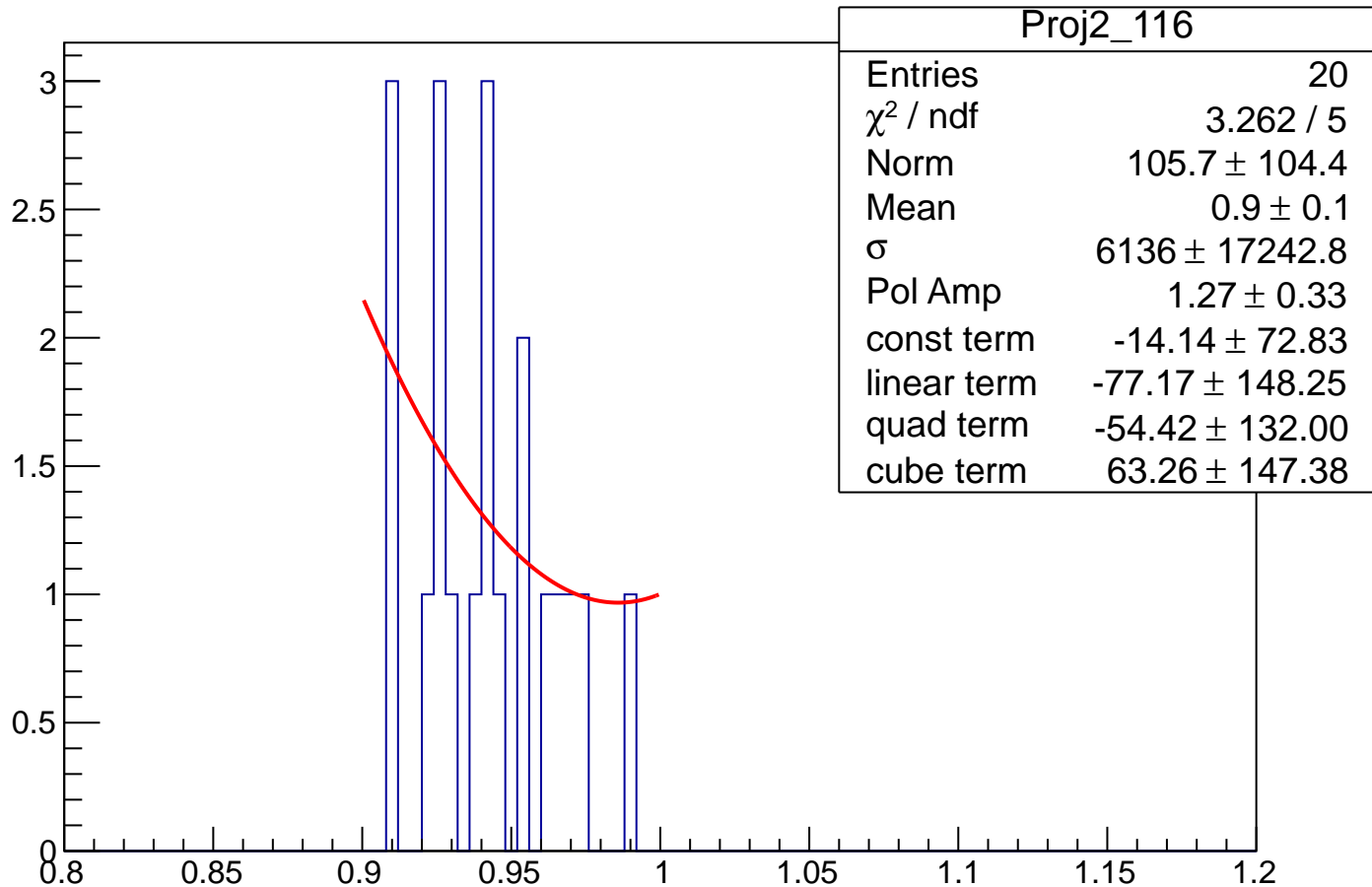
Proj2_112

Entries	11
χ^2 / ndf	0.7087 / 0
Norm	32.78 ± 657.20
Mean	0.985 ± 0.083
σ	0.01057 ± 0.01554
Pol Amp	404.7 ± 922.5
const term	0.03431 ± 0.01149
linear term	-0.01751 ± 0.01216
quad term	-0.02711 ± 0.01280
cube term	0.01039 ± 0.01342

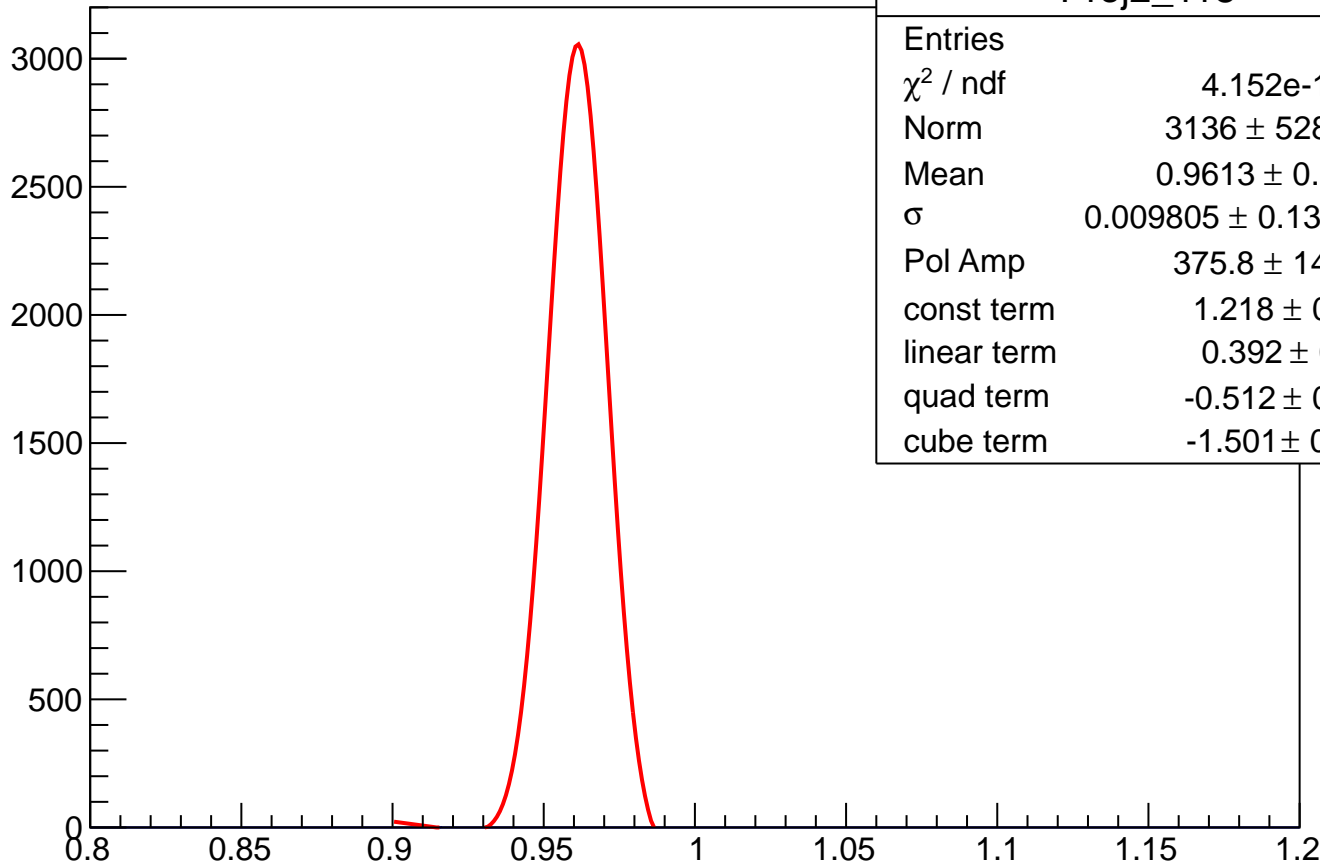
PhiThetaMassPim



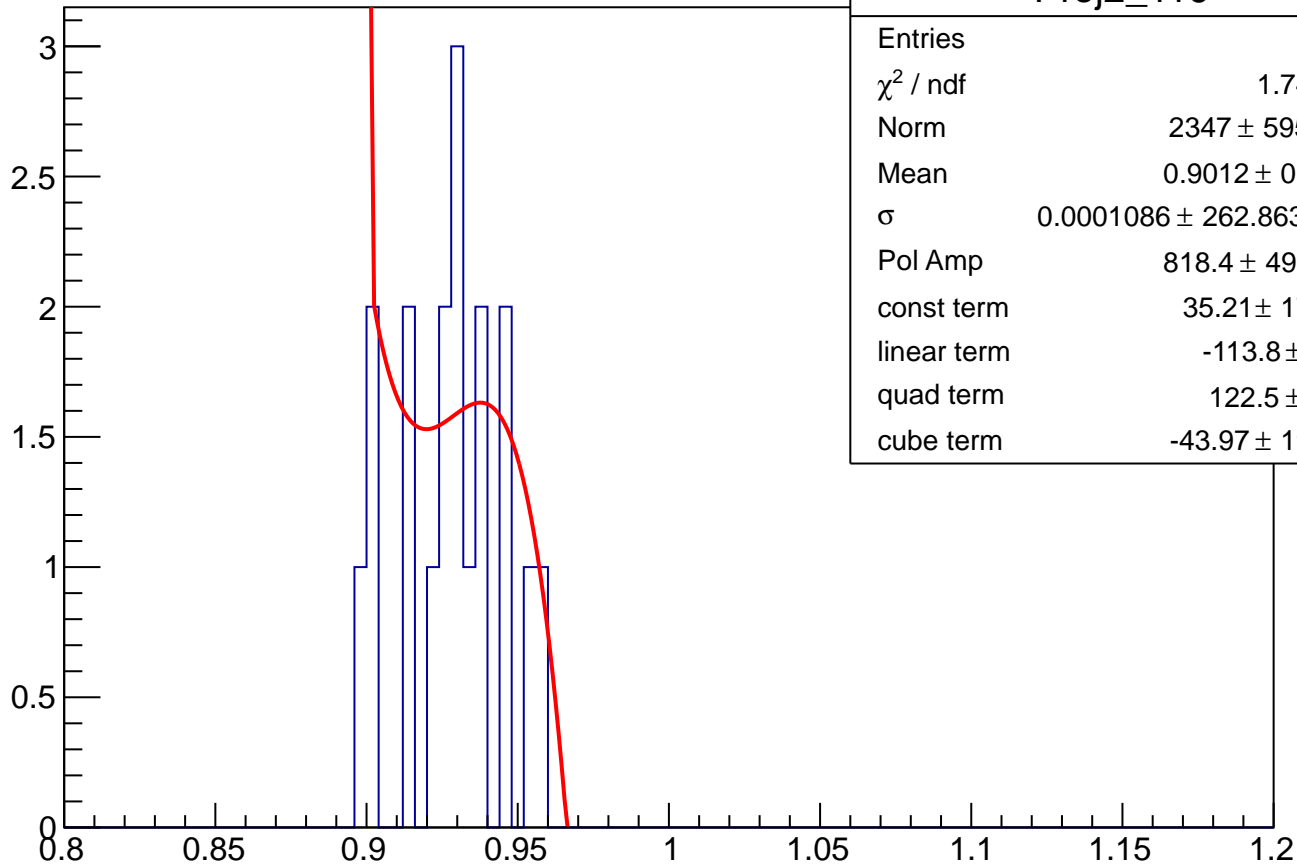
PhiThetaMassPim



PhiThetaMassPim



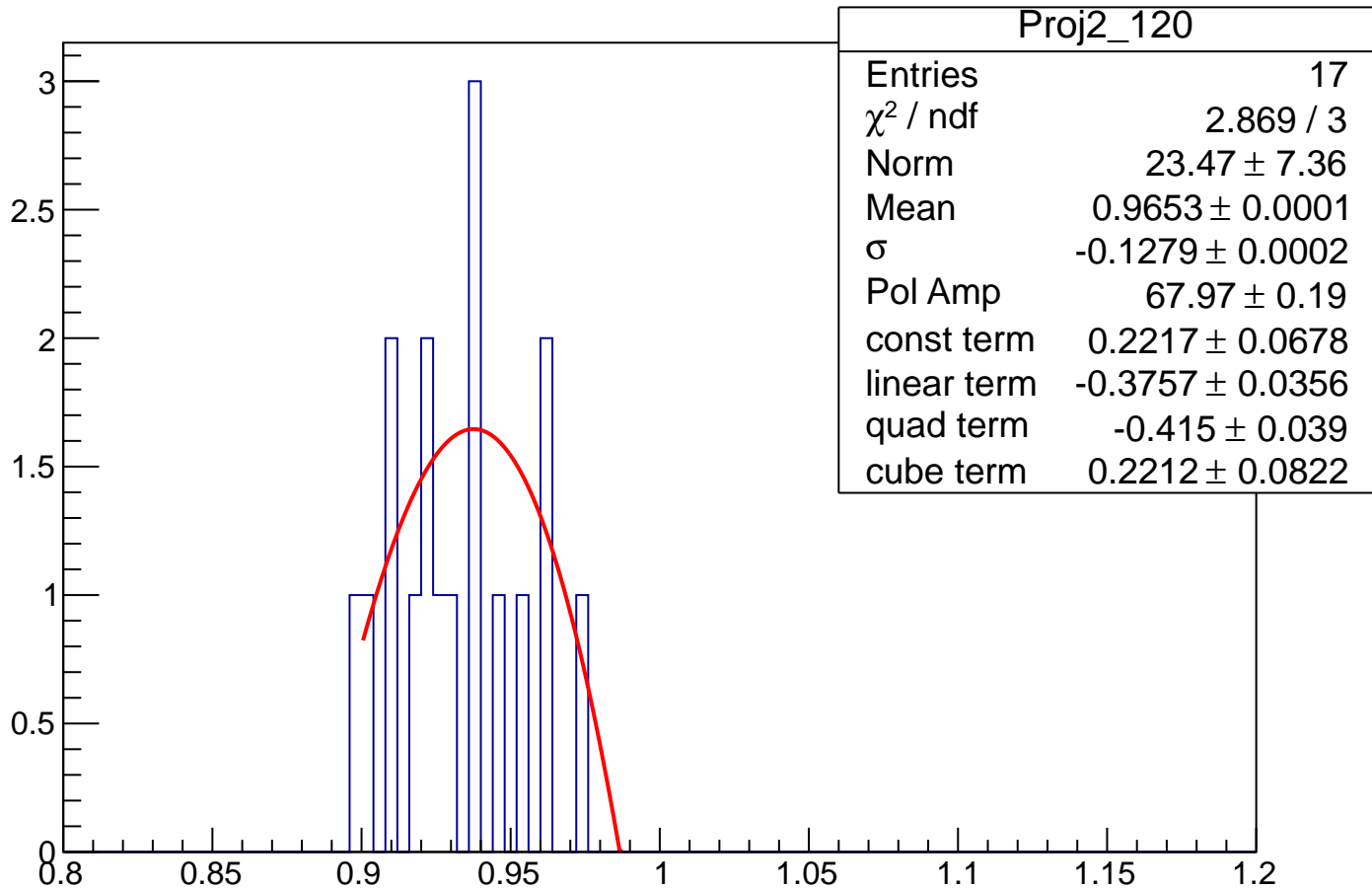
PhiThetaMassPim



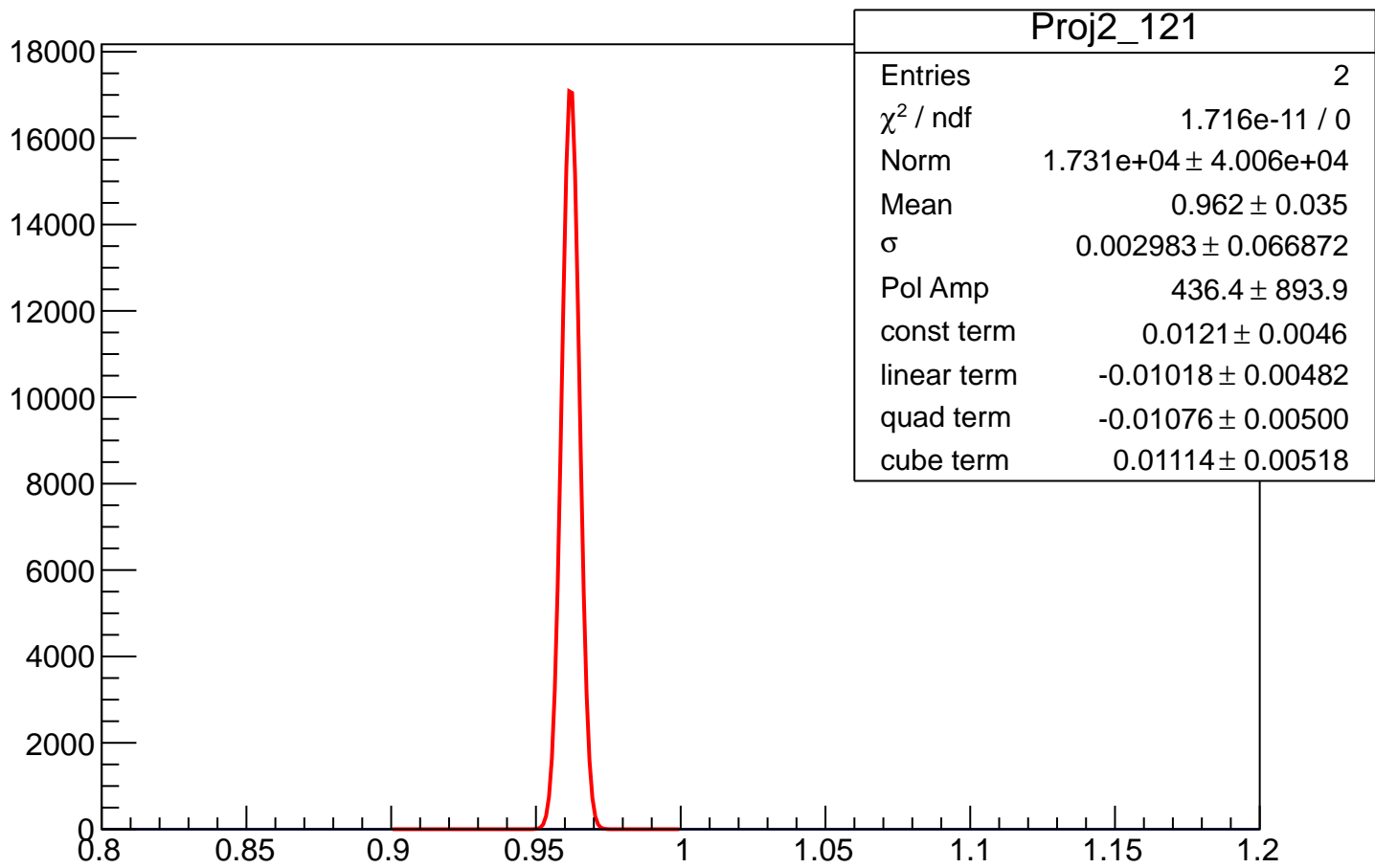
Proj2_119

Entries	18
χ^2 / ndf	1.747 / 2
Norm	2347 ± 59596.3
Mean	0.9012 ± 0.0724
σ	$0.0001086 \pm 262.8636780$
Pol Amp	818.4 ± 49531.4
const term	35.21 ± 174.15
linear term	-113.8 ± 98.7
quad term	122.5 ± 29.8
cube term	-43.97 ± 197.56

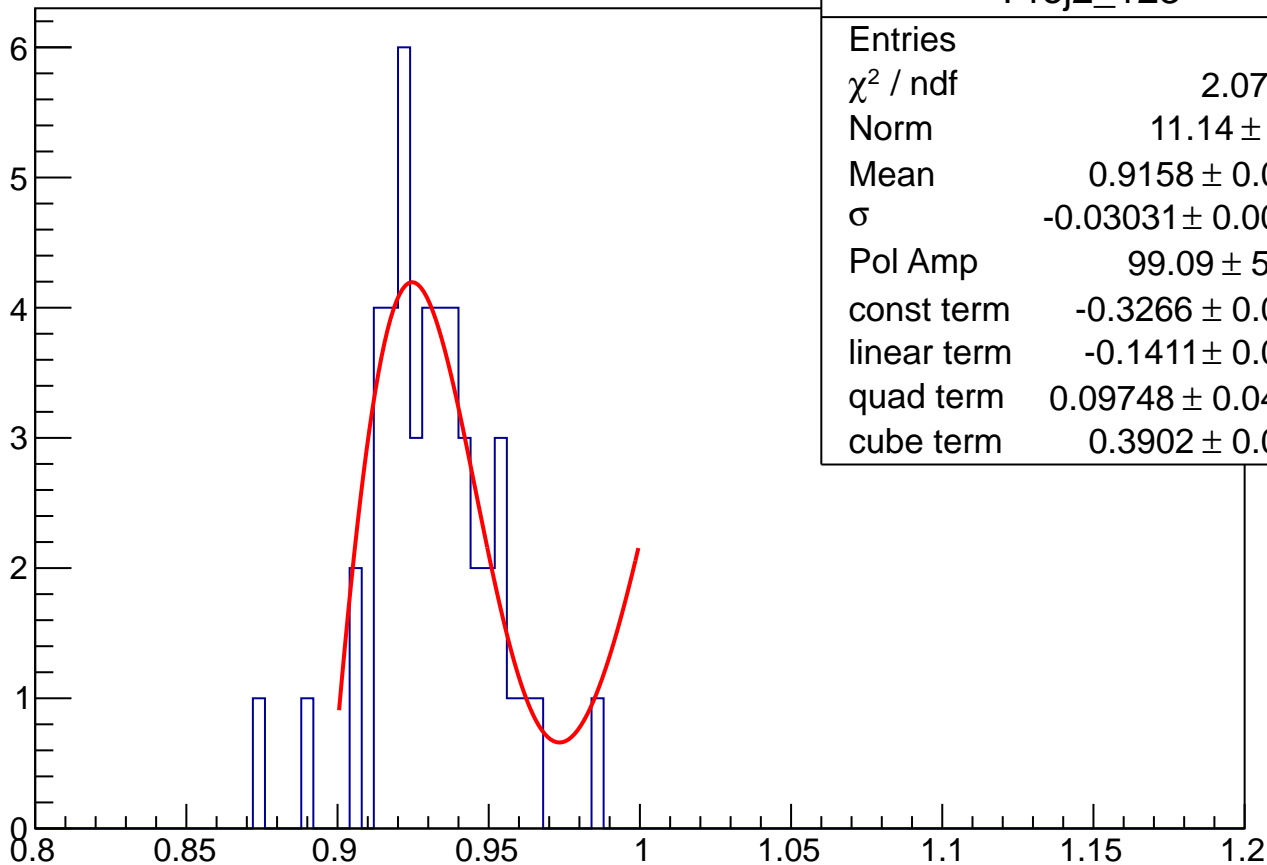
PhiThetaMassPim



PhiThetaMassPim



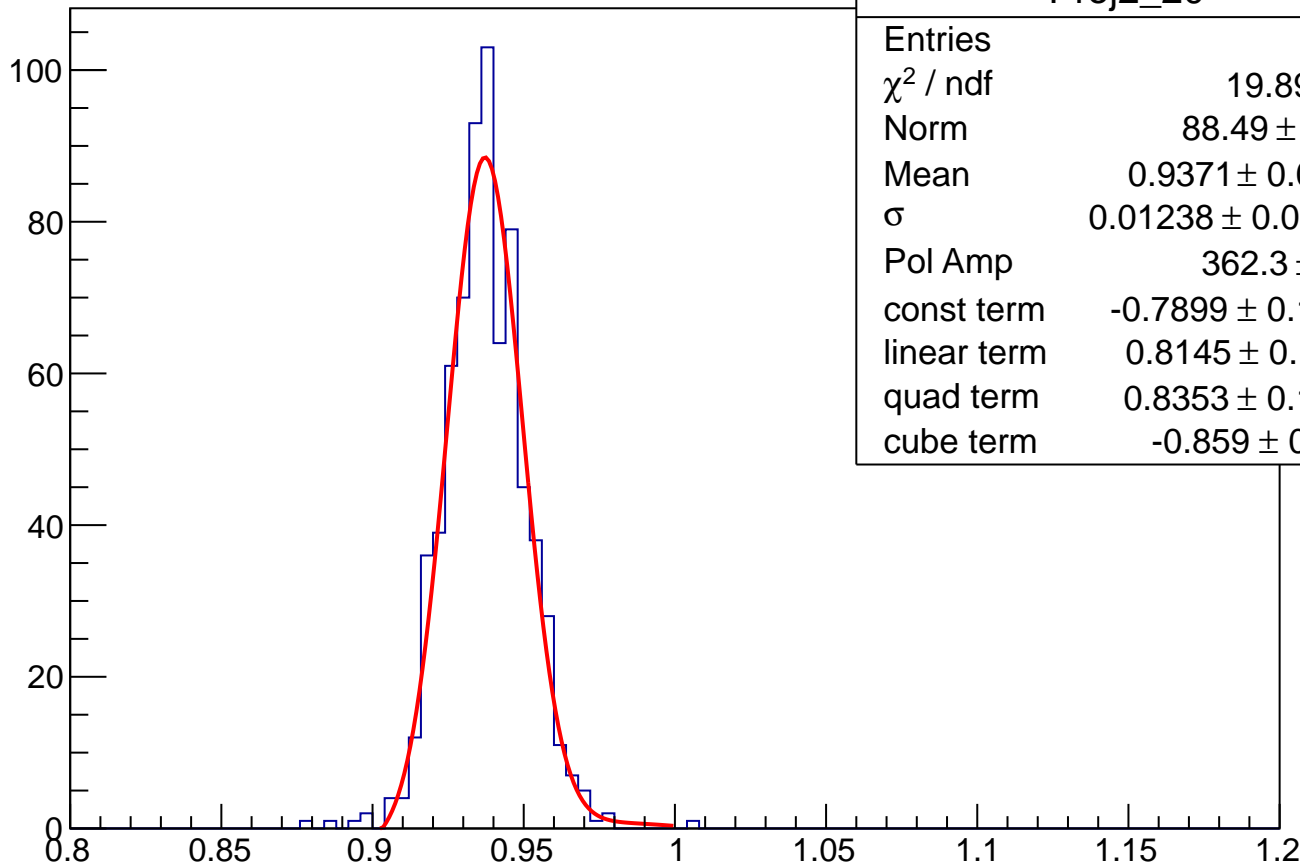
PhiThetaMassPim



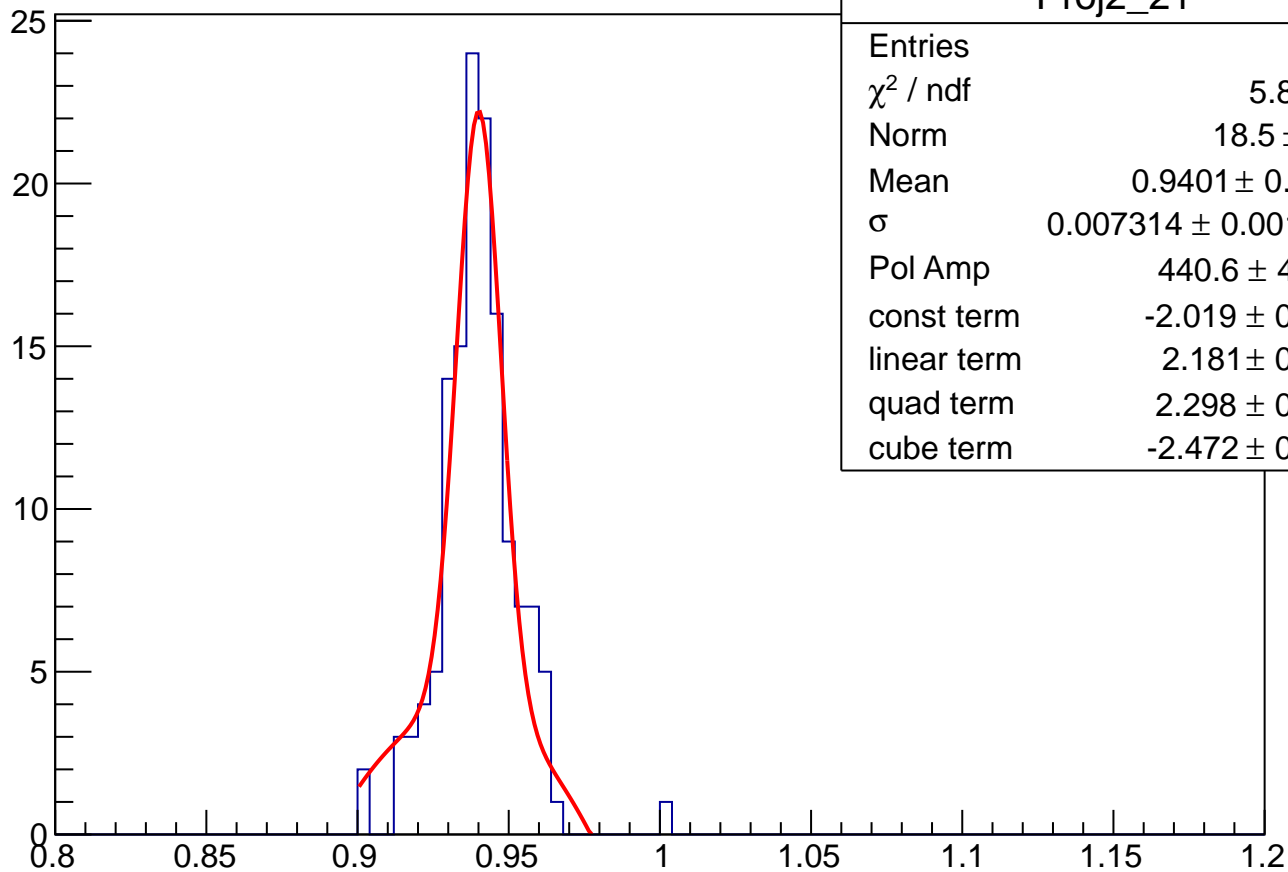
Proj2_123

Entries	47
χ^2 / ndf	2.075 / 8
Norm	11.14 ± 5.20
Mean	0.9158 ± 0.0072
σ	-0.03031 ± 0.00864
Pol Amp	99.09 ± 58.73
const term	-0.3266 ± 0.0379
linear term	-0.1411 ± 0.0395
quad term	0.09748 ± 0.04100
cube term	0.3902 ± 0.0424

PhiThetaMassPim



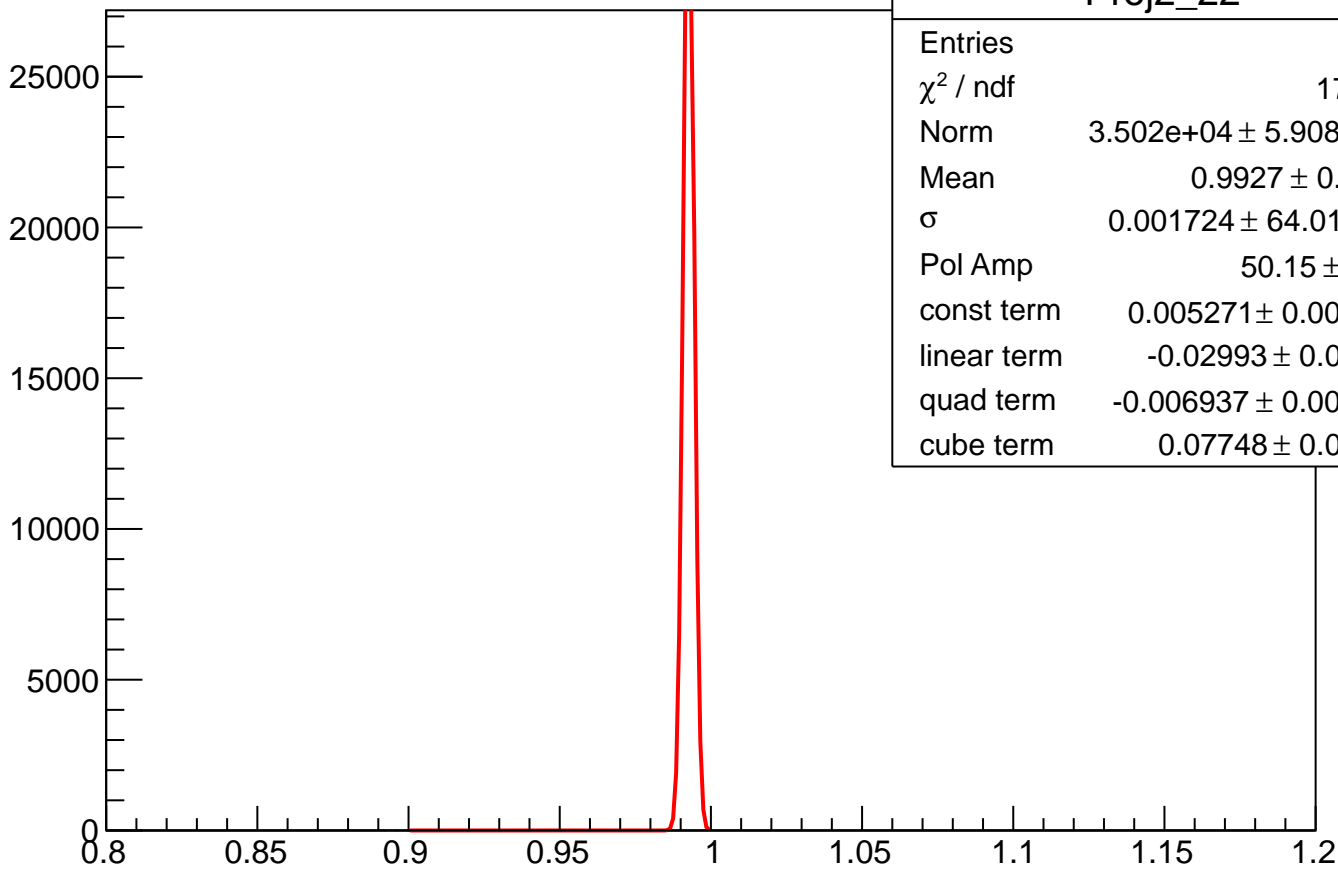
PhiThetaMassPim



Proj2_21

Entries	138
χ^2 / ndf	5.88 / 7
Norm	18.5 ± 3.2
Mean	0.9401 ± 0.0011
σ	0.007314 ± 0.001528
Pol Amp	440.6 ± 425.2
const term	-2.019 ± 0.013
linear term	2.181 ± 0.015
quad term	2.298 ± 0.016
cube term	-2.472 ± 0.015

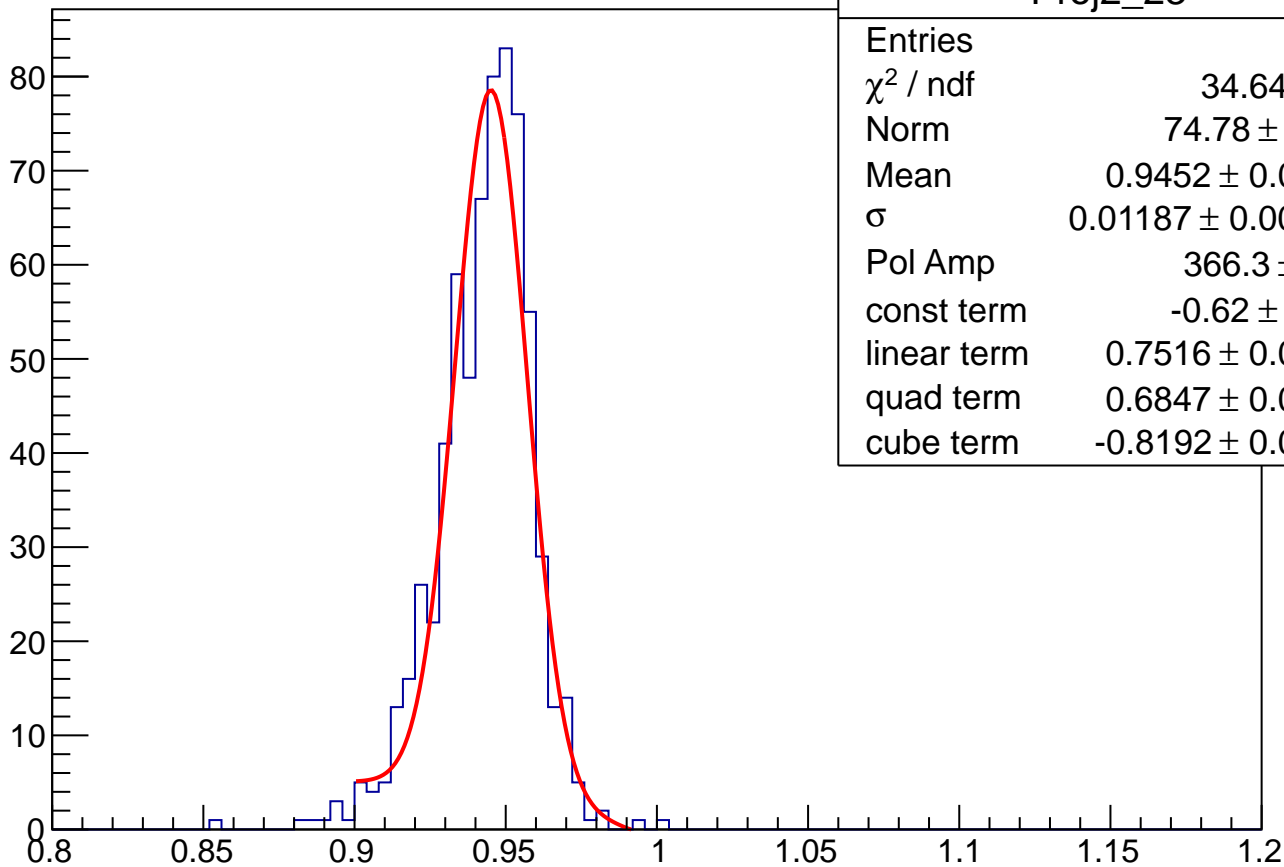
PhiThetaMassPim



Proj2_22

Entries	51
χ^2 / ndf	17 / 10
Norm	$3.502\text{e}+04 \pm 5.908\text{e}+04$
Mean	0.9927 ± 0.0502
σ	0.001724 ± 64.011353
Pol Amp	50.15 ± 3.68
const term	0.005271 ± 0.002582
linear term	-0.02993 ± 0.00276
quad term	-0.006937 ± 0.002937
cube term	0.07748 ± 0.00312

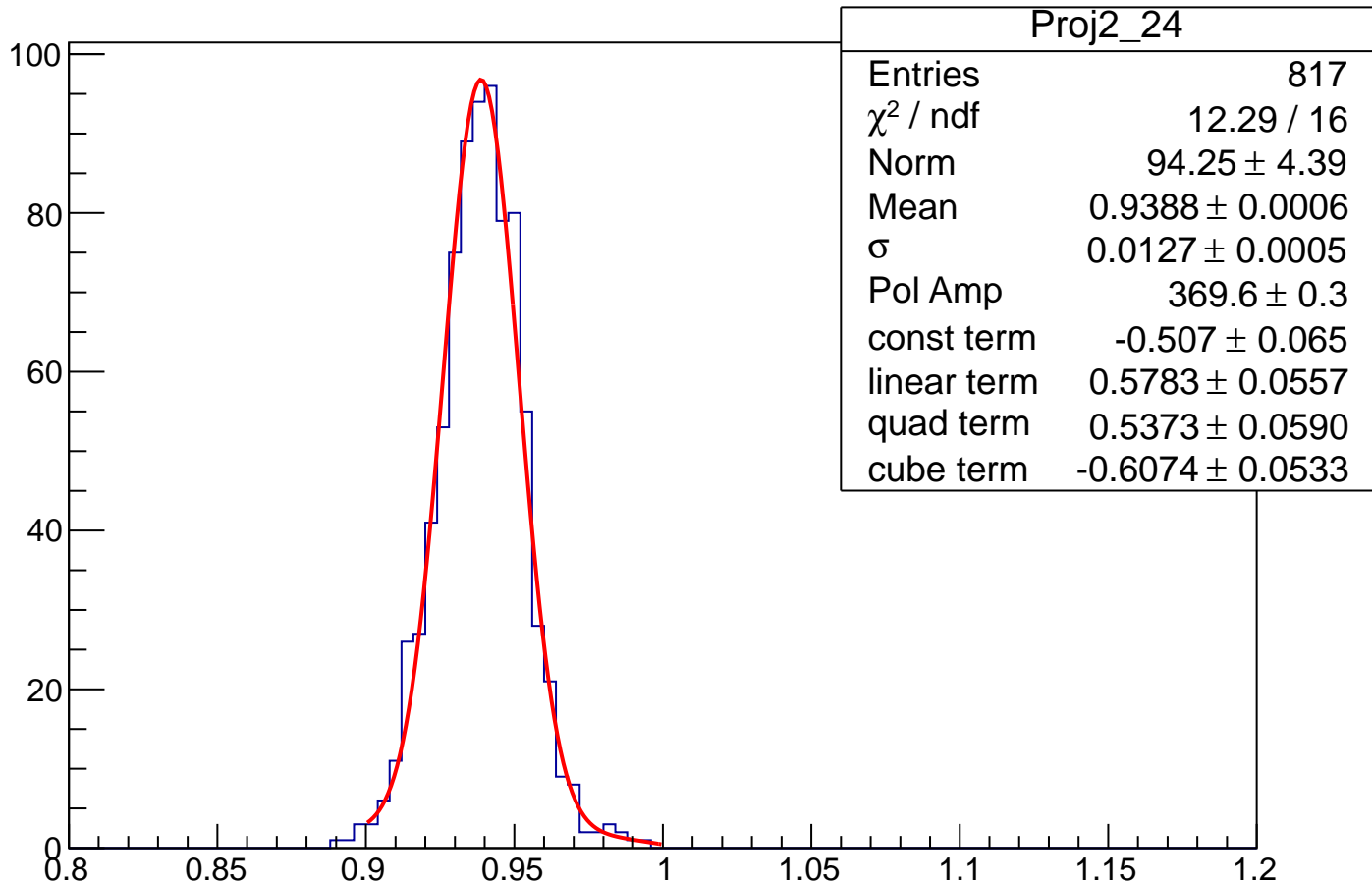
PhiThetaMassPim



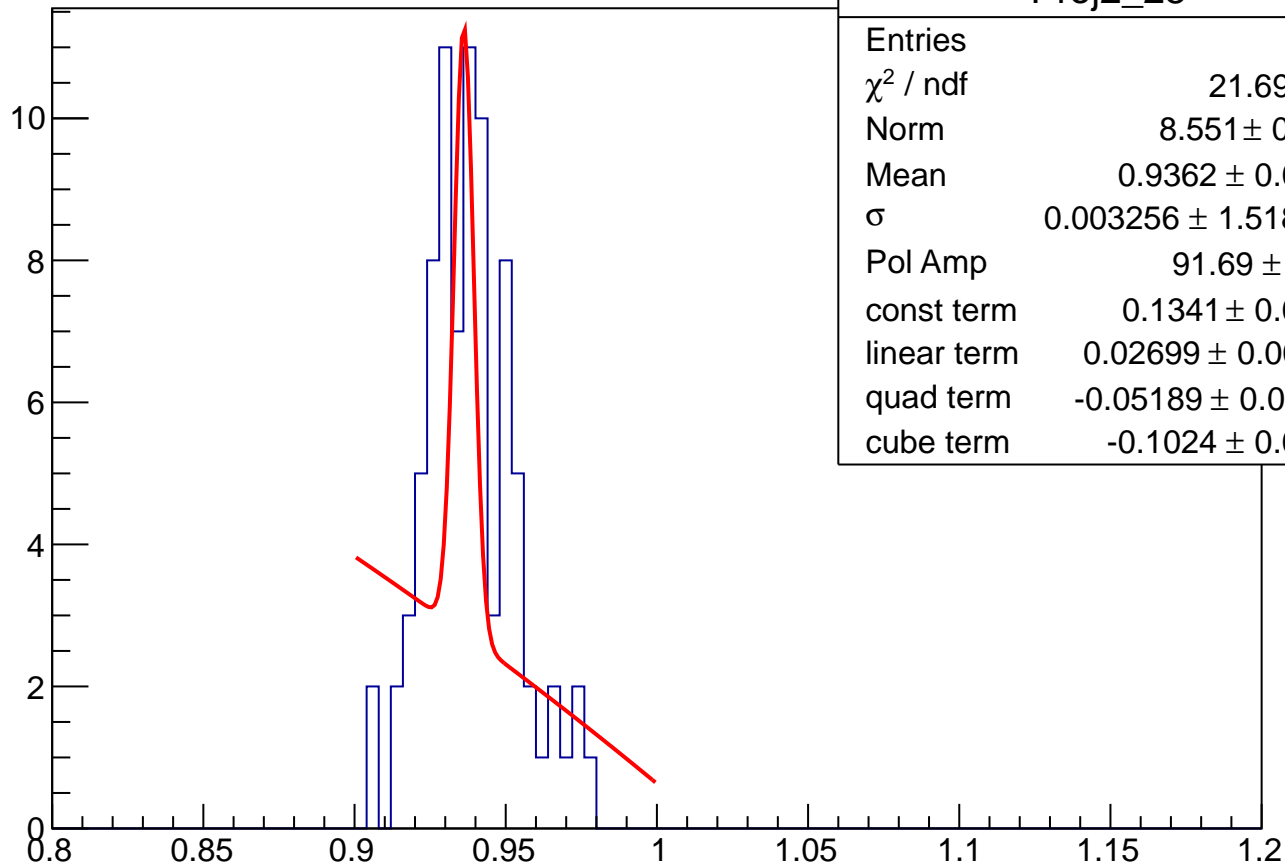
Proj2_23

Entries	674
χ^2 / ndf	34.64 / 14
Norm	74.78 ± 4.20
Mean	0.9452 ± 0.0007
σ	0.01187 ± 0.00054
Pol Amp	366.3 ± 0.4
const term	-0.62 ± 0.09
linear term	0.7516 ± 0.0954
quad term	0.6847 ± 0.0926
cube term	-0.8192 ± 0.0979

PhiThetaMassPim



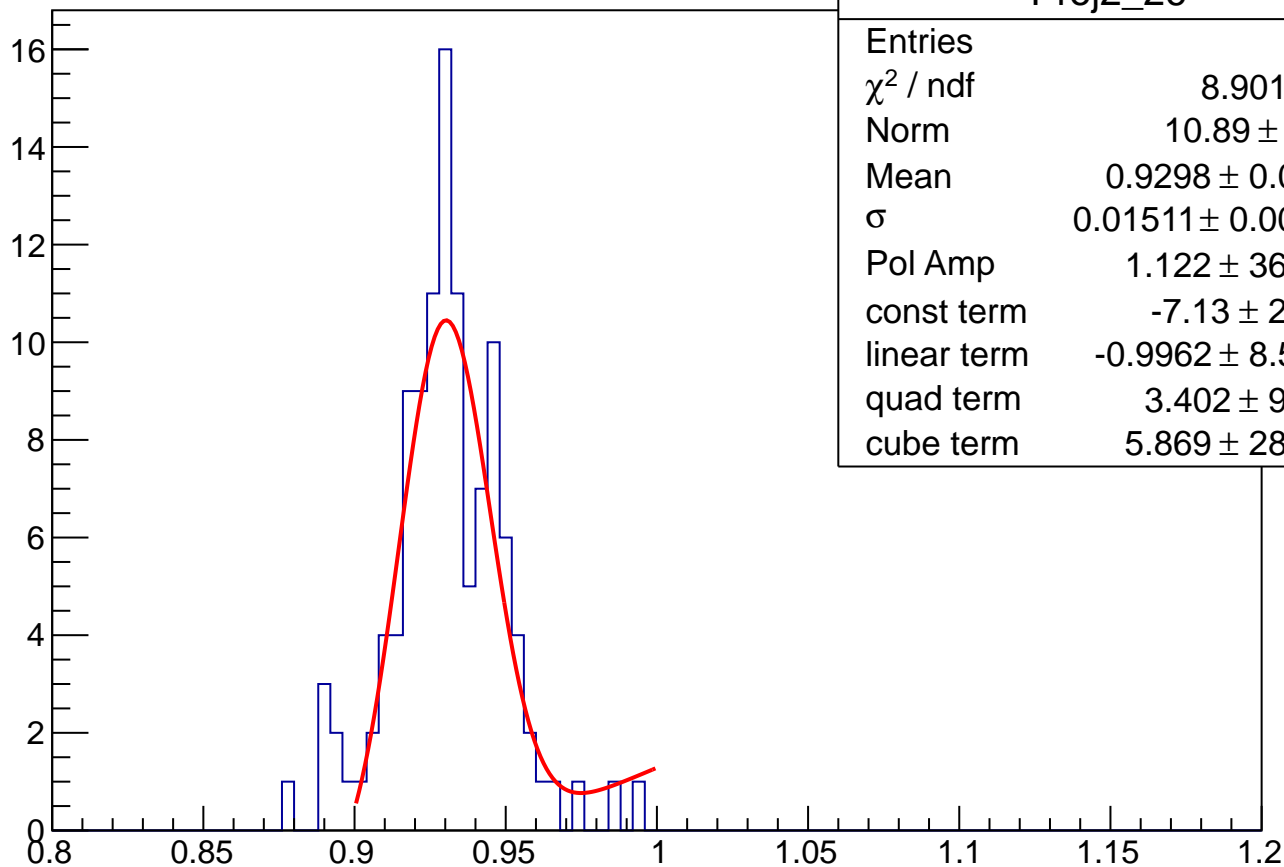
PhiThetaMassPim



Proj2_25

Entries	84
χ^2 / ndf	21.69 / 10
Norm	8.551 ± 0.155
Mean	0.9362 ± 0.0000
σ	0.003256 ± 1.518613
Pol Amp	91.69 ± 3.57
const term	0.1341 ± 0.0013
linear term	0.02699 ± 0.00123
quad term	-0.05189 ± 0.00119
cube term	-0.1024 ± 0.0012

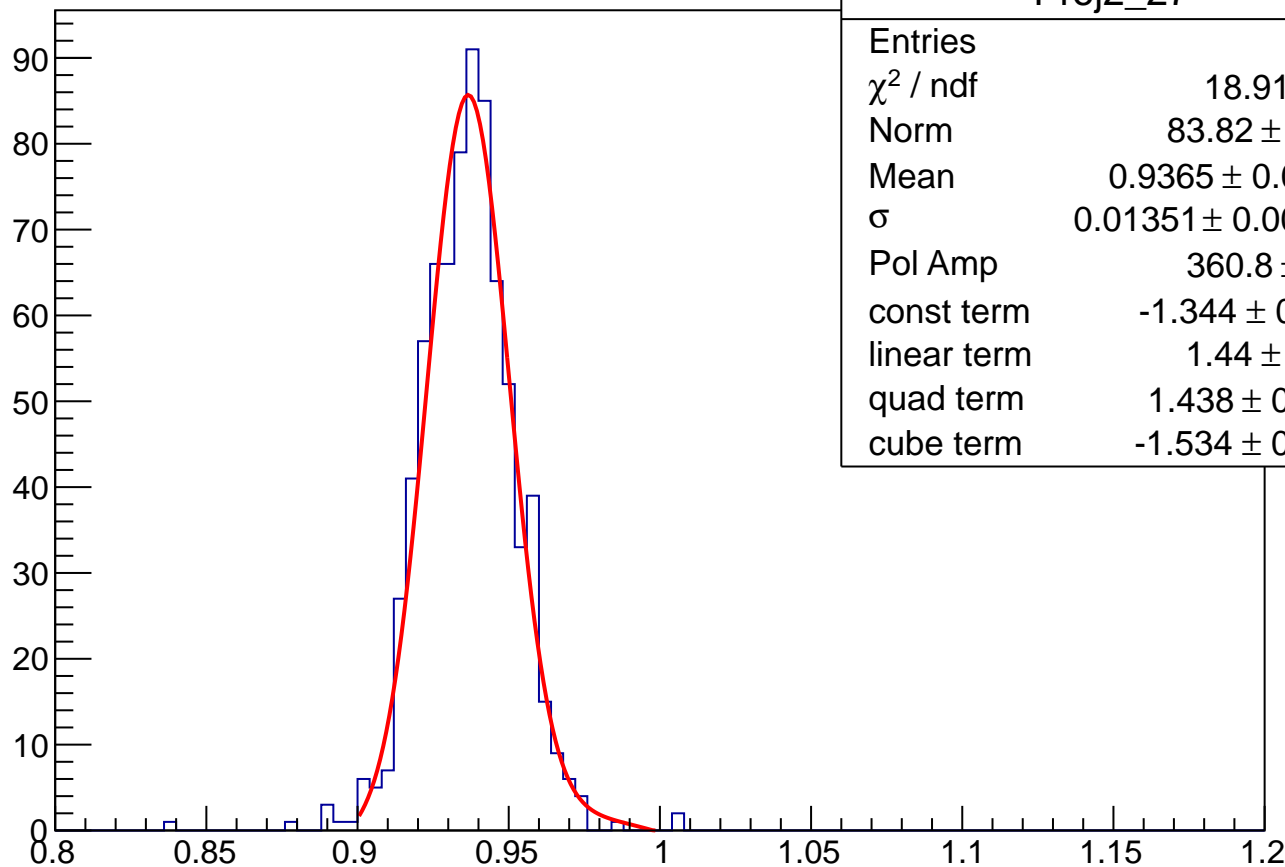
PhiThetaMassPim



Proj2_26

Entries	113
χ^2 / ndf	8.901 / 12
Norm	10.89 ± 1.40
Mean	0.9298 ± 0.0019
σ	0.01511 ± 0.00138
Pol Amp	1.122 ± 36.502
const term	-7.13 ± 25.24
linear term	-0.9962 ± 8.5905
quad term	3.402 ± 9.509
cube term	5.869 ± 28.986

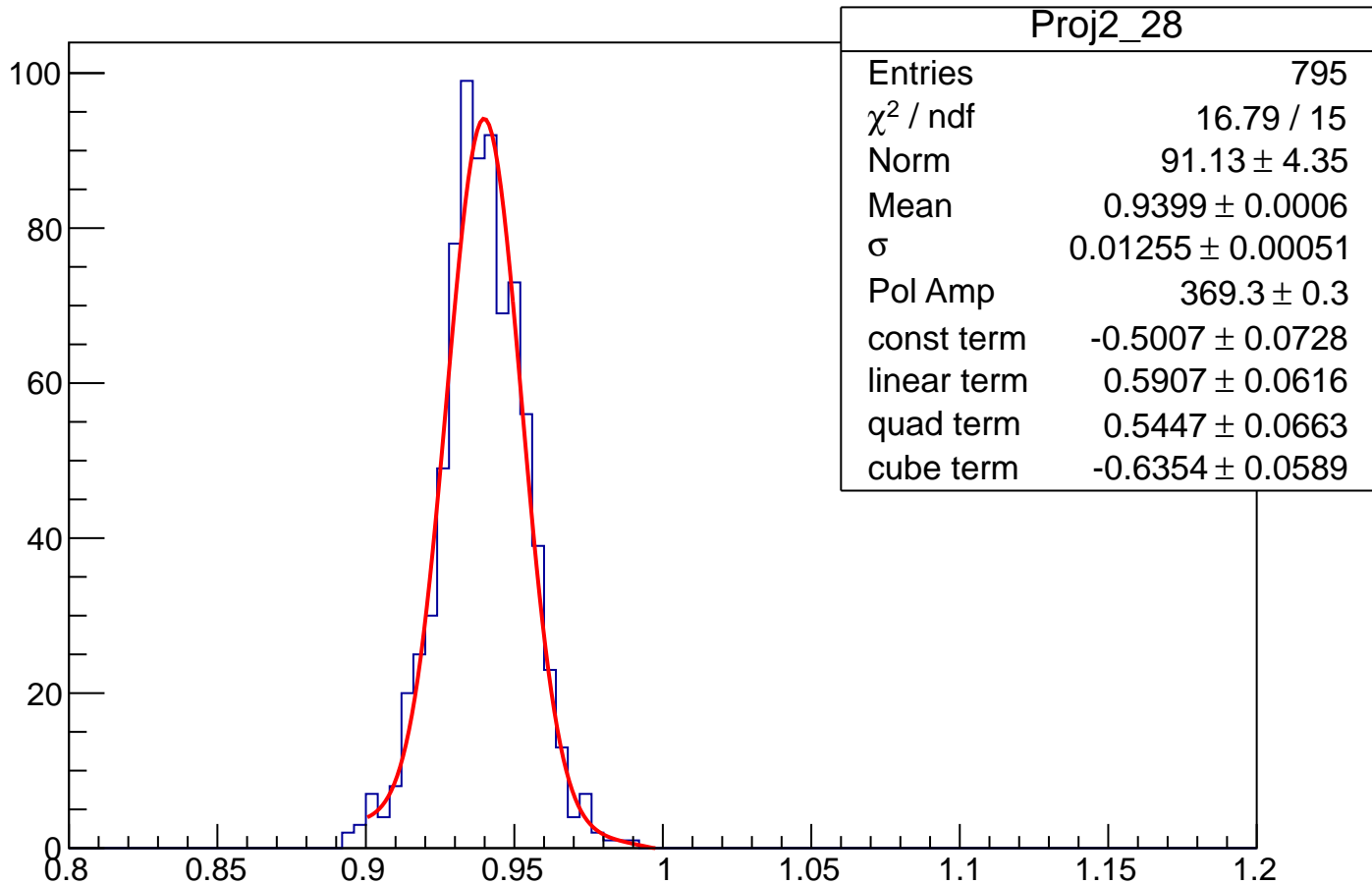
PhiThetaMassPim



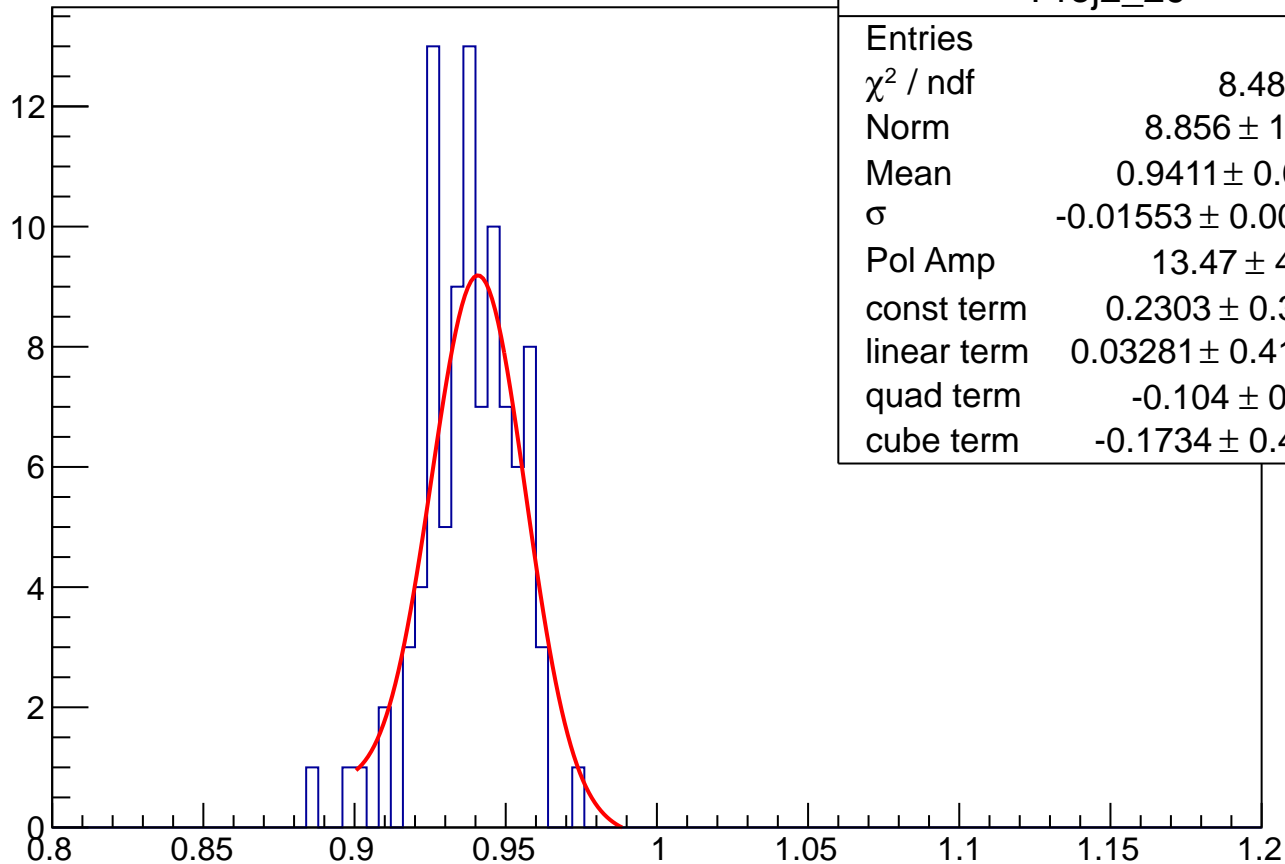
Proj2_27

Entries	762
χ^2 / ndf	18.91 / 12
Norm	83.82 ± 4.05
Mean	0.9365 ± 0.0007
σ	0.01351 ± 0.00066
Pol Amp	360.8 ± 0.7
const term	-1.344 ± 0.161
linear term	1.44 ± 0.15
quad term	1.438 ± 0.158
cube term	-1.534 ± 0.147

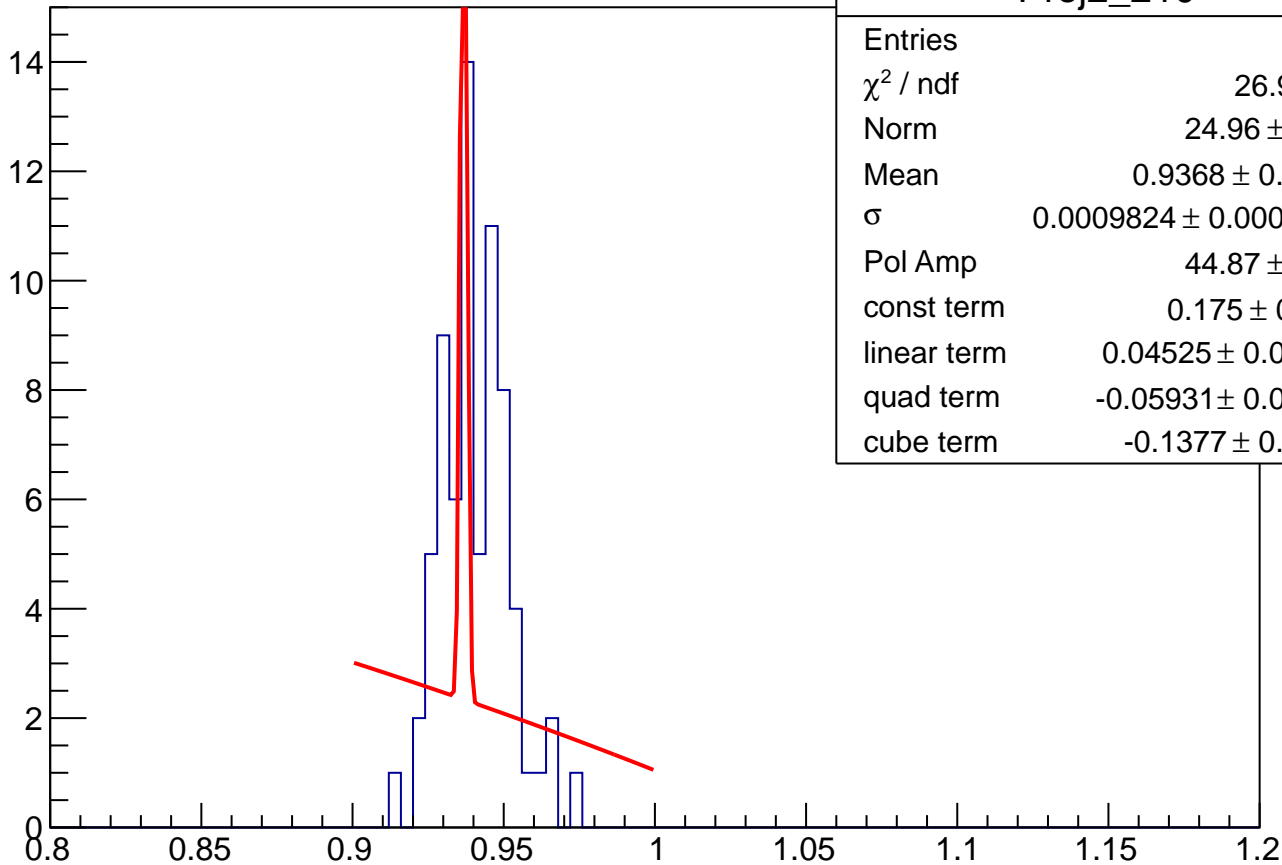
PhiThetaMassPim



PhiThetaMassPim



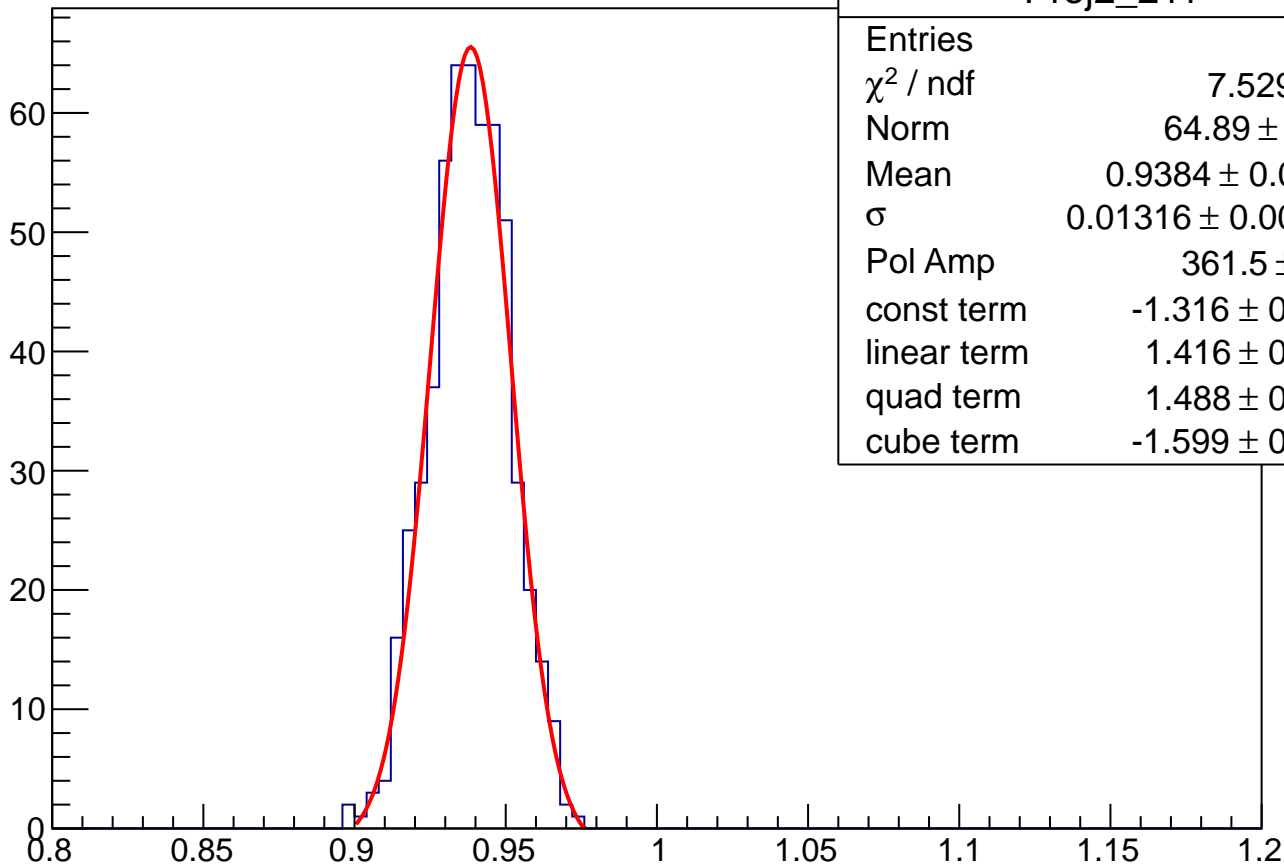
PhiThetaMassPim



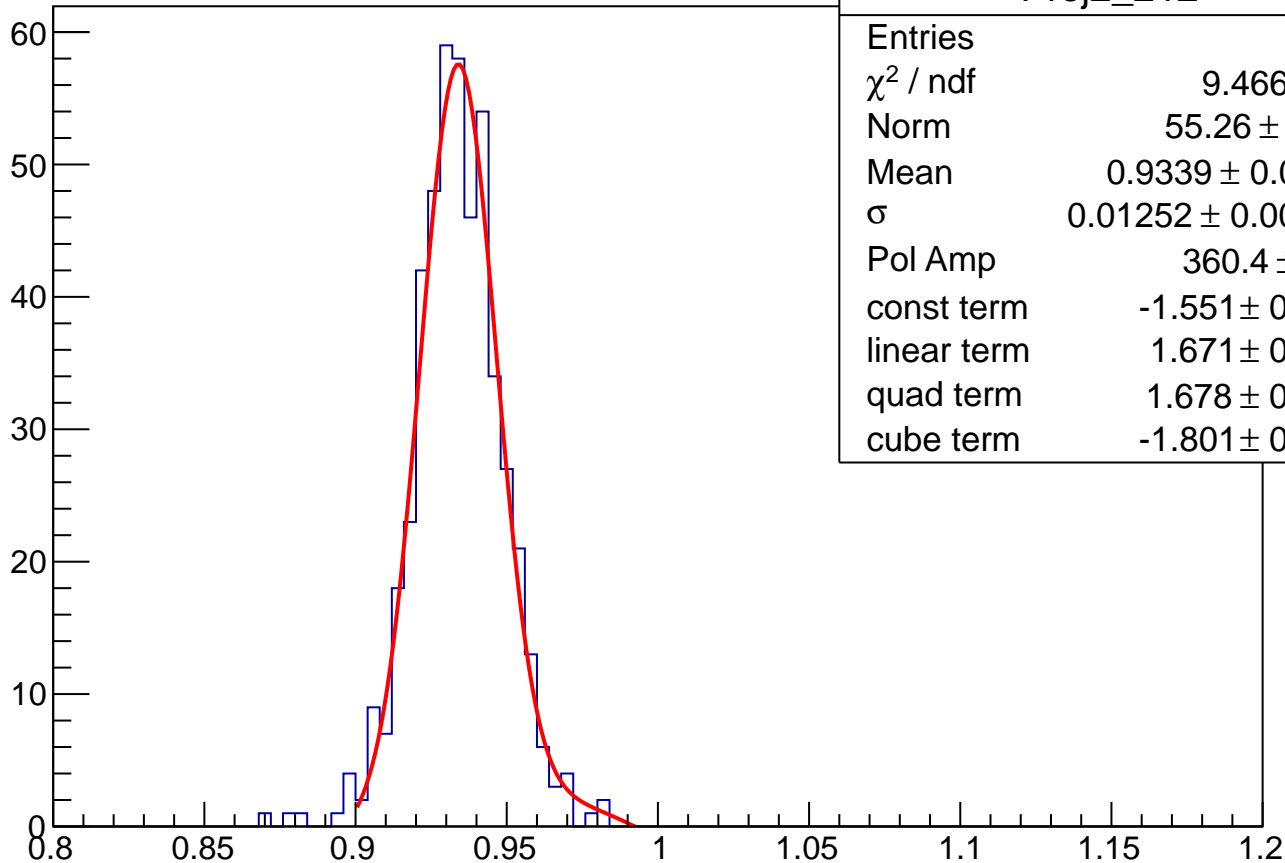
Proj2_210

Entries	70
χ^2 / ndf	26.91 / 6
Norm	24.96 ± 6.95
Mean	0.9368 ± 0.0000
σ	0.0009824 ± 0.0000127
Pol Amp	44.87 ± 0.14
const term	0.175 ± 0.122
linear term	0.04525 ± 0.04142
quad term	-0.05931 ± 0.04603
cube term	-0.1377 ± 0.1399

PhiThetaMassPim



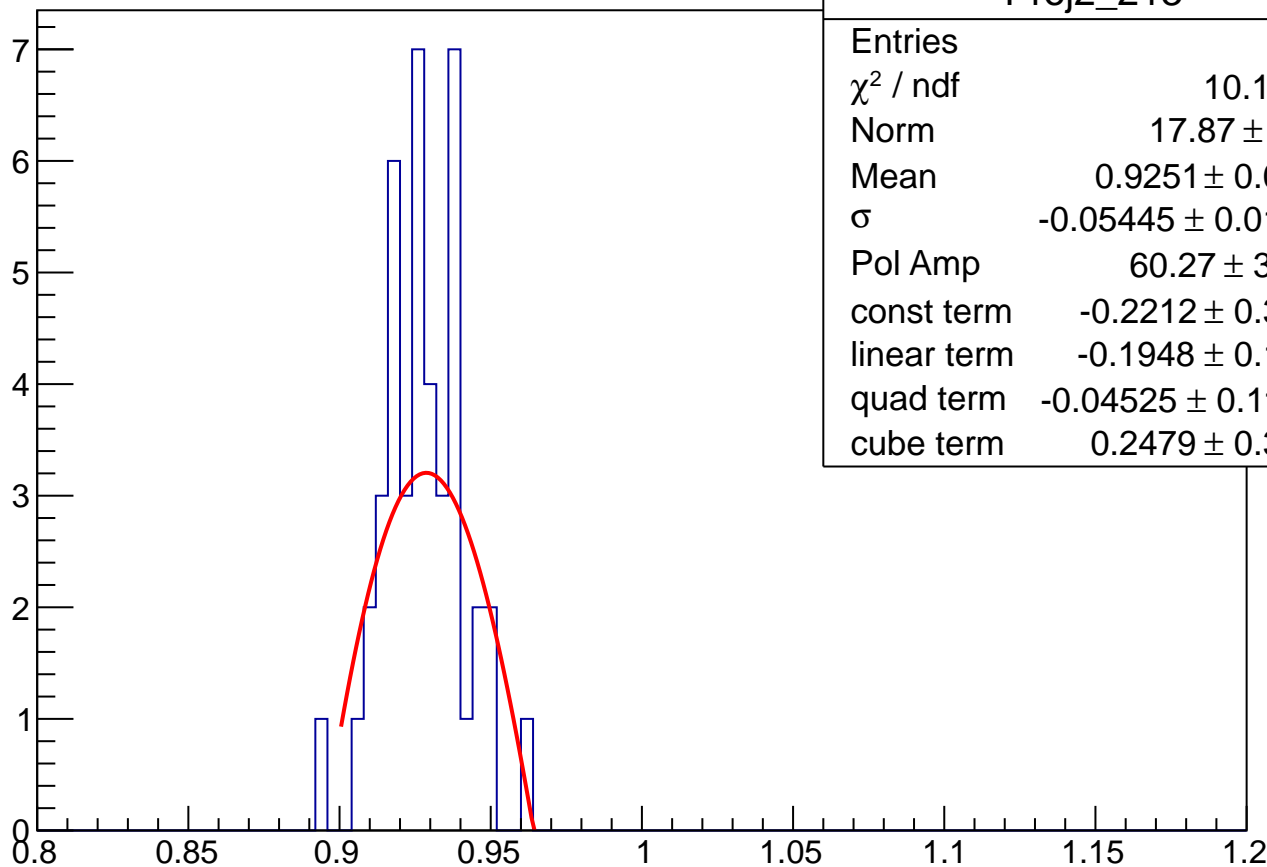
PhiThetaMassPim



Proj2_212

Entries	485
χ^2 / ndf	9.466 / 12
Norm	55.26 ± 3.49
Mean	0.9339 ± 0.0008
σ	0.01252 ± 0.00073
Pol Amp	360.4 ± 0.8
const term	-1.551 ± 0.242
linear term	1.671 ± 0.243
quad term	1.678 ± 0.252
cube term	-1.801 ± 0.255

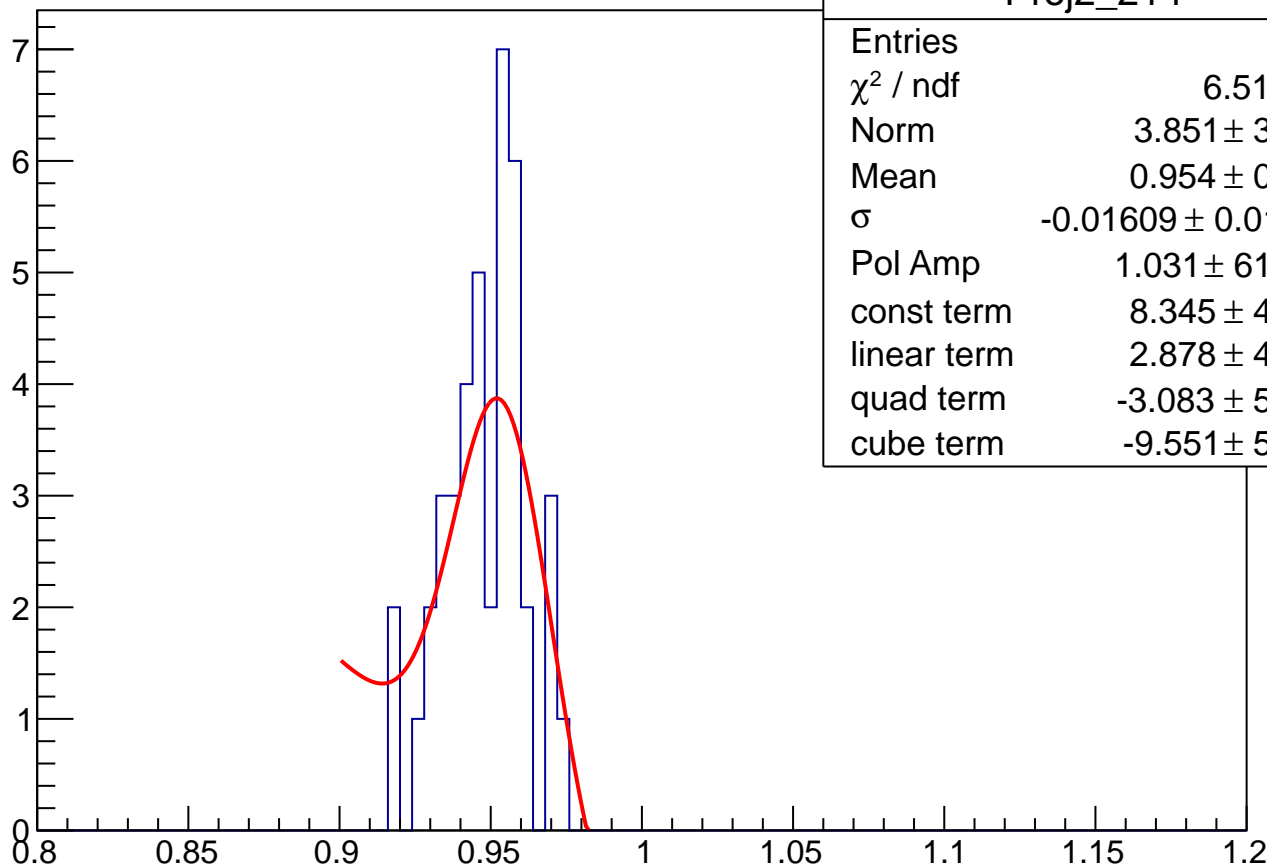
PhiThetaMassPim



Proj2_213

Entries	43
χ^2 / ndf	10.18 / 5
Norm	17.87 ± 5.38
Mean	0.9251 ± 0.0126
σ	-0.05445 ± 0.01976
Pol Amp	60.27 ± 32.48
const term	-0.2212 ± 0.3153
linear term	-0.1948 ± 0.1240
quad term	-0.04525 ± 0.11415
cube term	0.2479 ± 0.3570

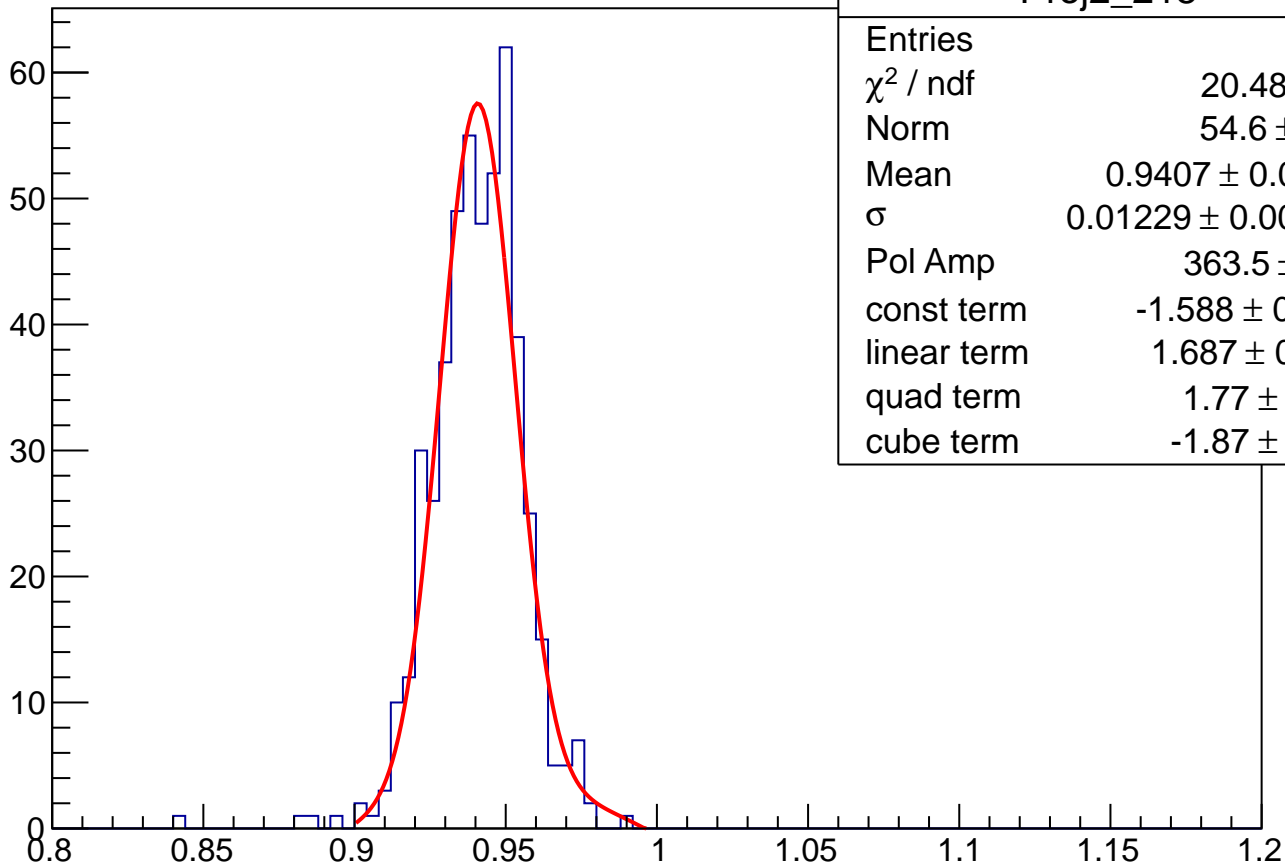
PhiThetaMassPim



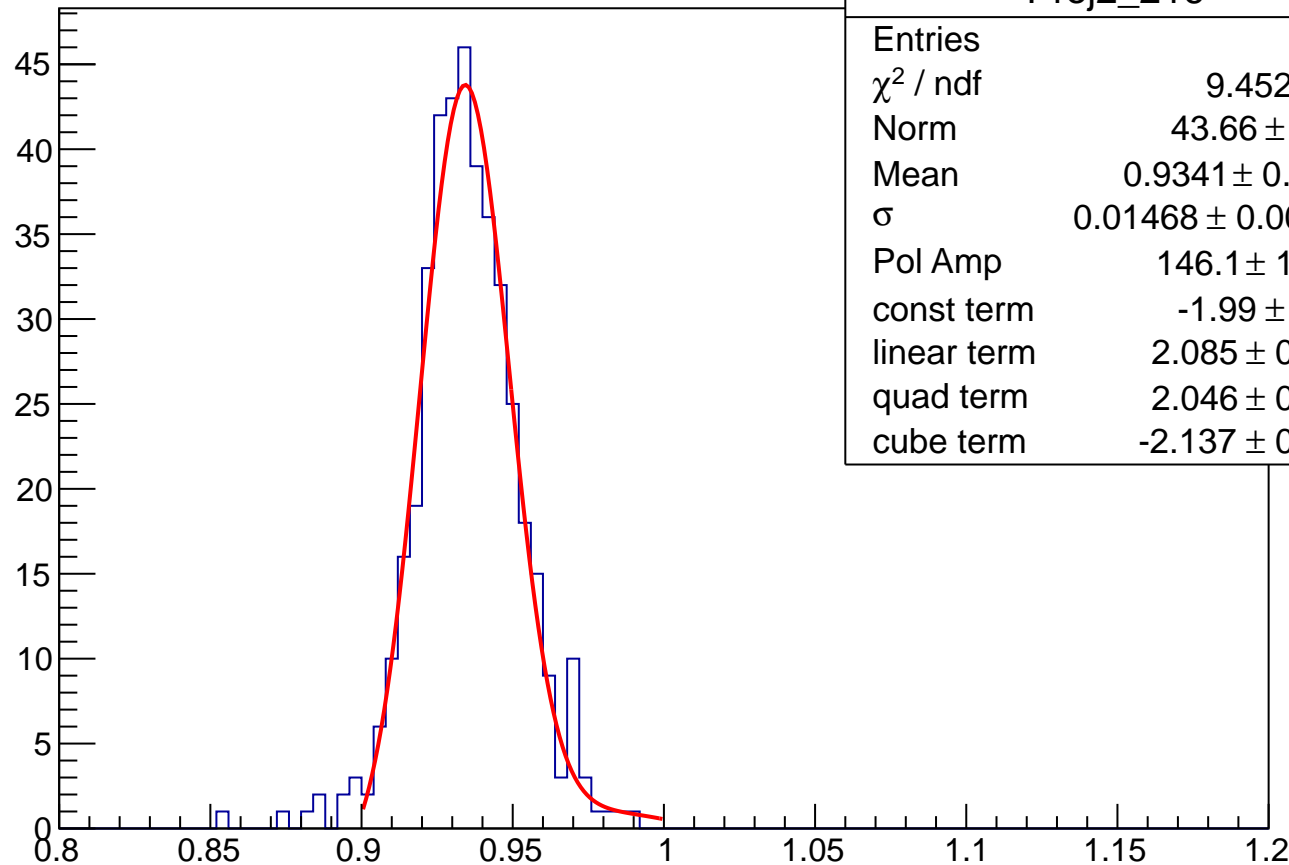
Proj2_214

Entries	41
χ^2 / ndf	6.512 / 5
Norm	3.851 ± 3.925
Mean	0.954 ± 0.012
σ	-0.01609 ± 0.01292
Pol Amp	1.031 ± 61.054
const term	8.345 ± 4.696
linear term	2.878 ± 4.985
quad term	-3.083 ± 5.277
cube term	-9.551 ± 5.572

PhiThetaMassPim

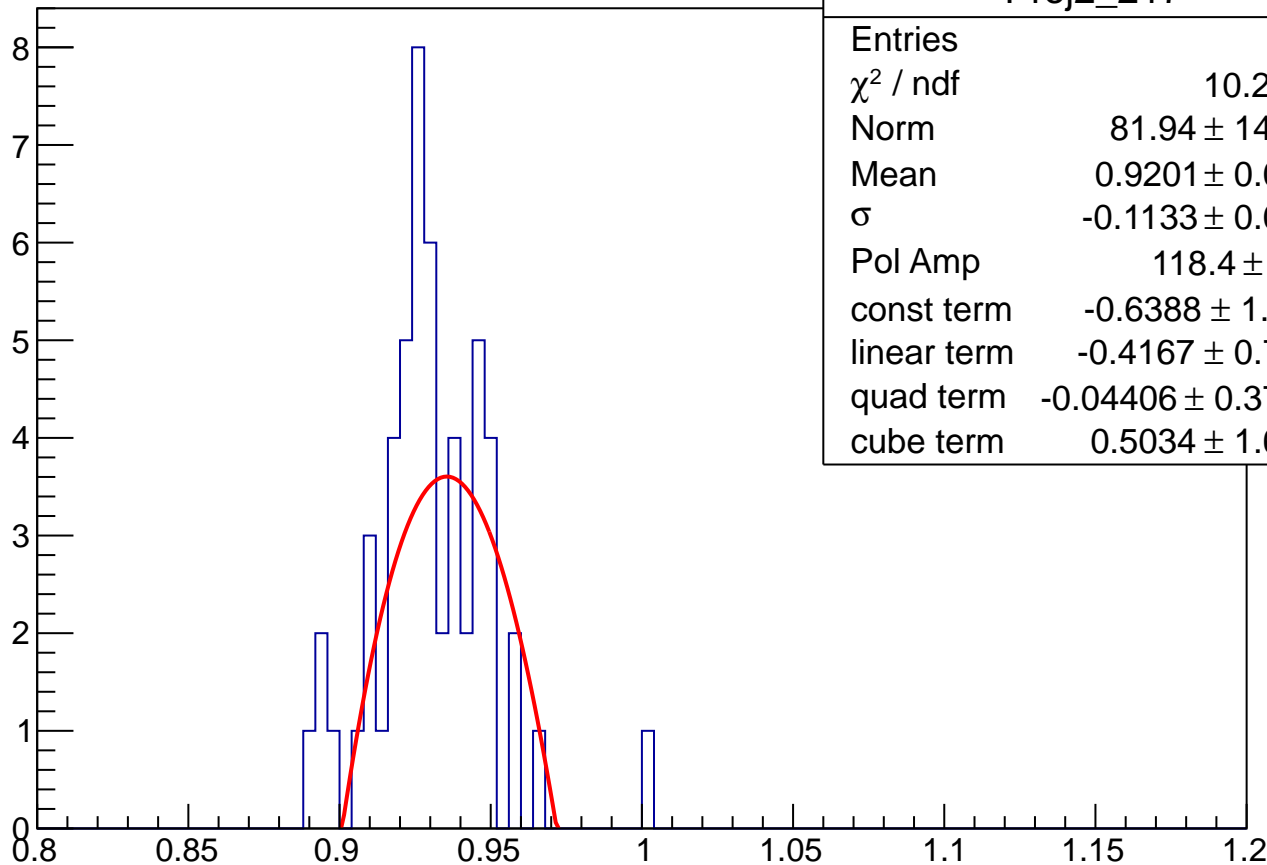


PhiThetaMassPim



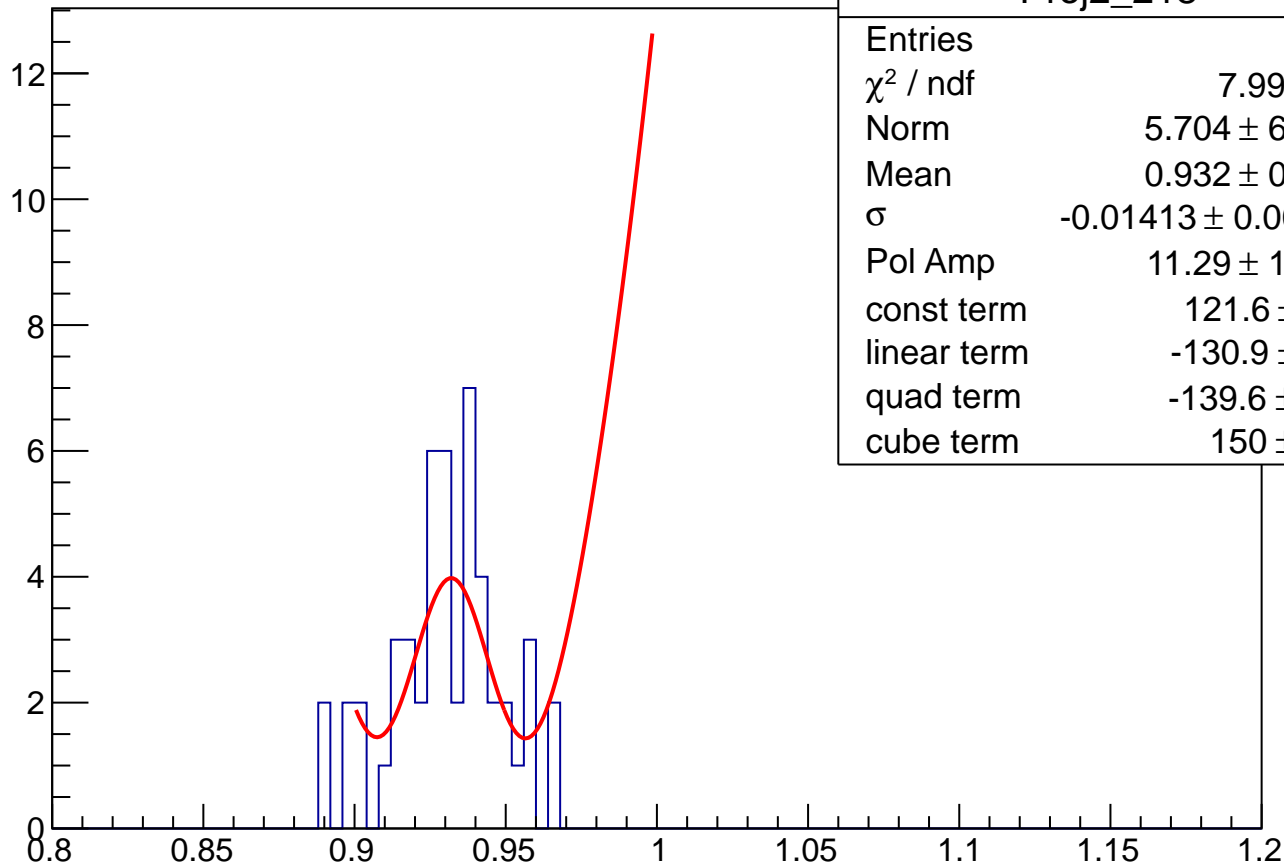
PhiThetaMassPim

Proj2_217

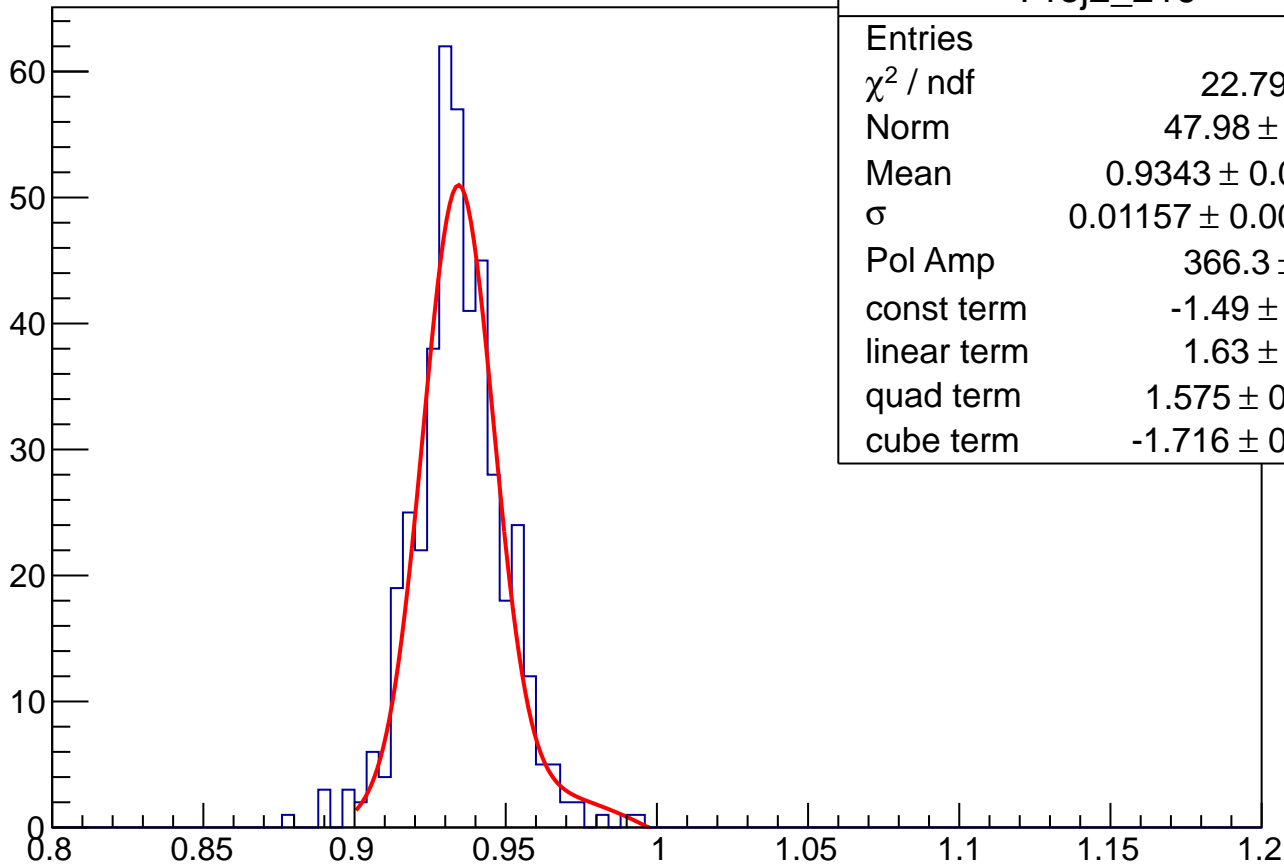


Entries	53
χ^2 / ndf	10.29 / 6
Norm	81.94 ± 145.05
Mean	0.9201 ± 0.0688
σ	-0.1133 ± 0.0757
Pol Amp	118.4 ± 53.4
const term	-0.6388 ± 1.8211
linear term	-0.4167 ± 0.7817
quad term	-0.04406 ± 0.37639
cube term	0.5034 ± 1.6572

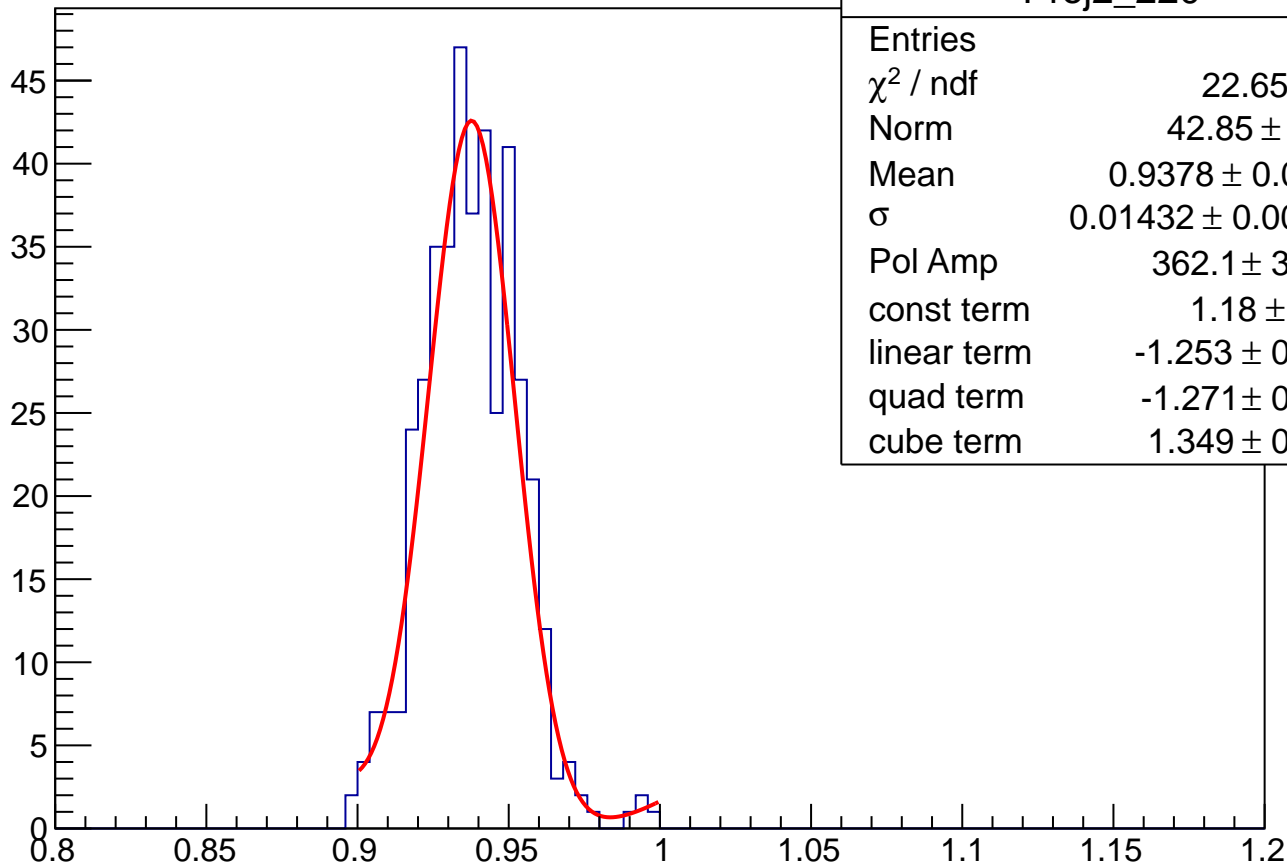
PhiThetaMassPim



PhiThetaMassPim



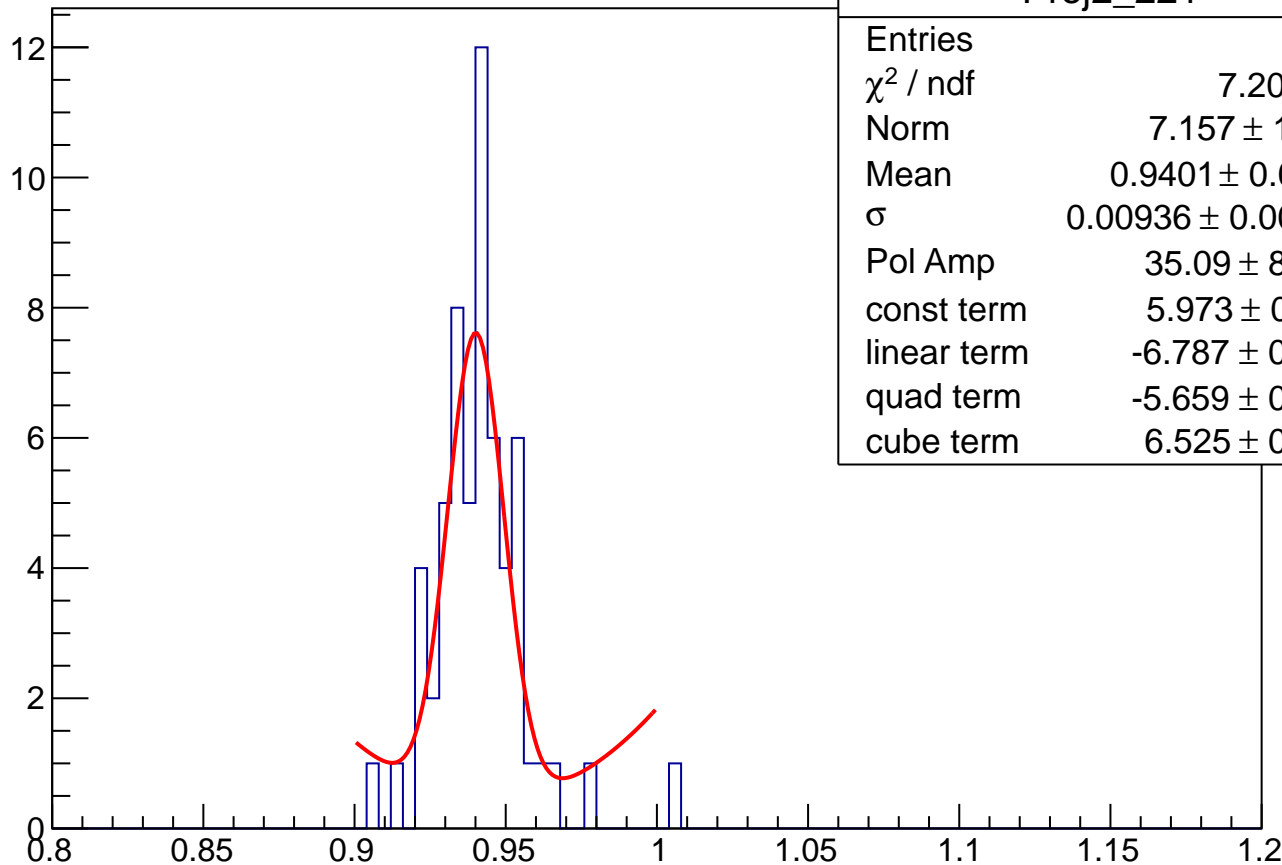
PhiThetaMassPim



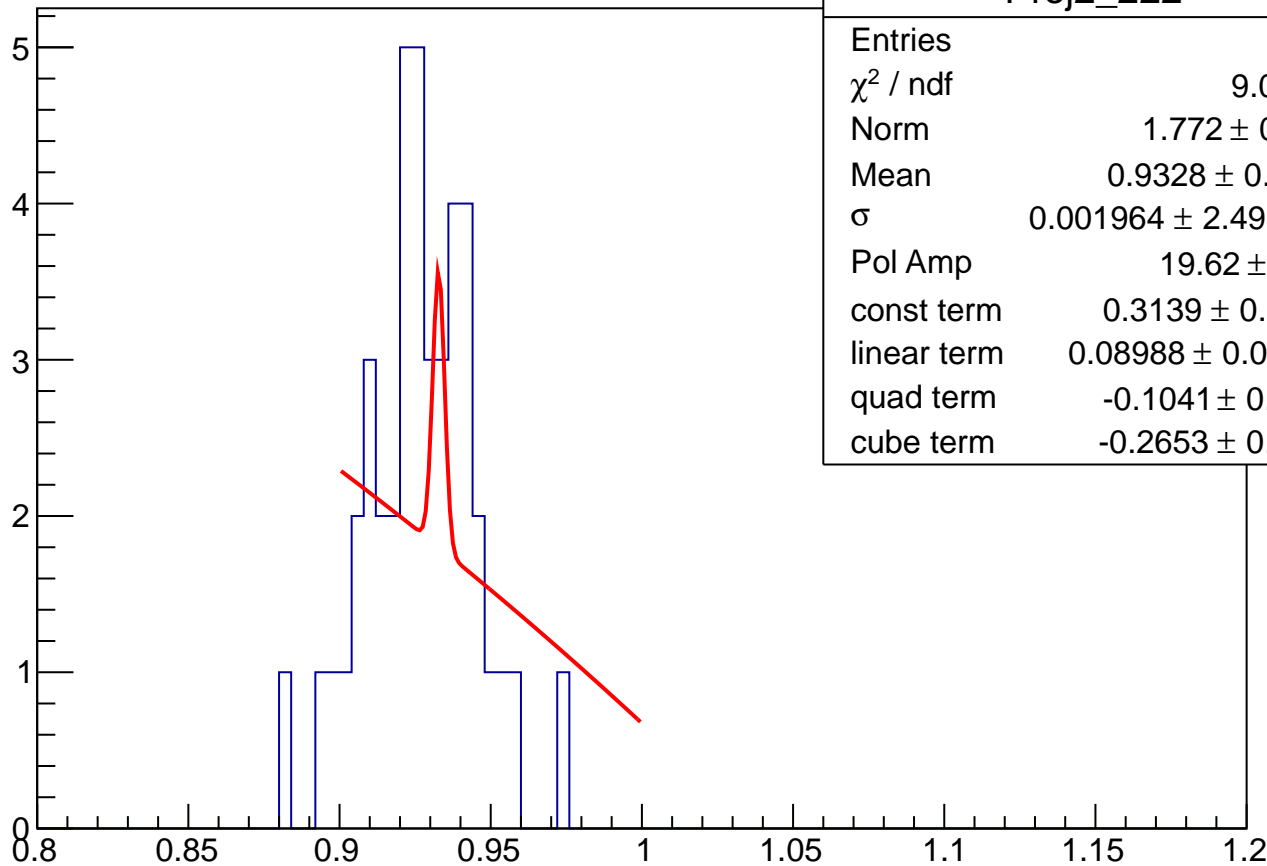
Proj2_220

Entries	414
χ^2 / ndf	22.65 / 15
Norm	42.85 ± 2.84
Mean	0.9378 ± 0.0010
σ	0.01432 ± 0.00079
Pol Amp	362.1 ± 314.5
const term	1.18 ± 0.01
linear term	-1.253 ± 0.014
quad term	-1.271 ± 0.015
cube term	1.349 ± 0.014

PhiThetaMassPim



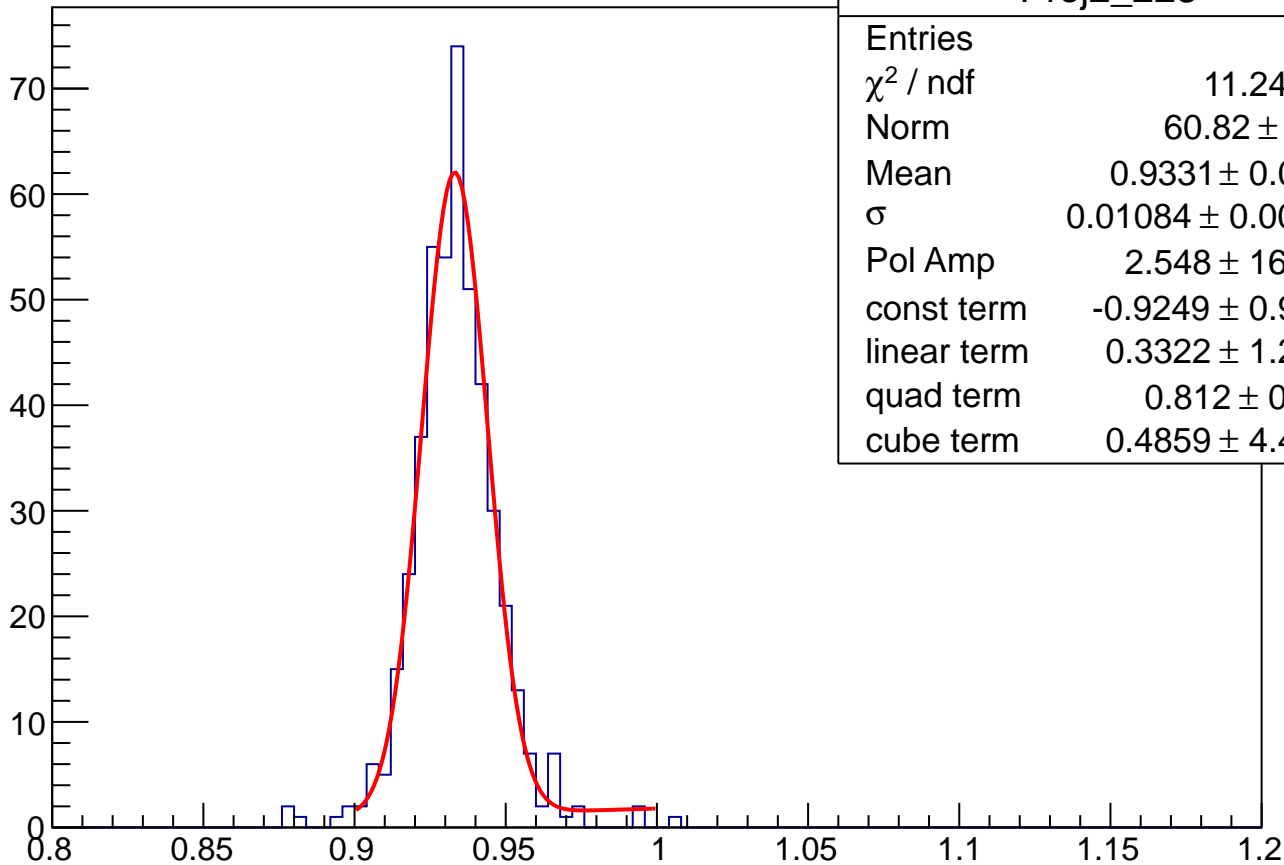
PhiThetaMassPim



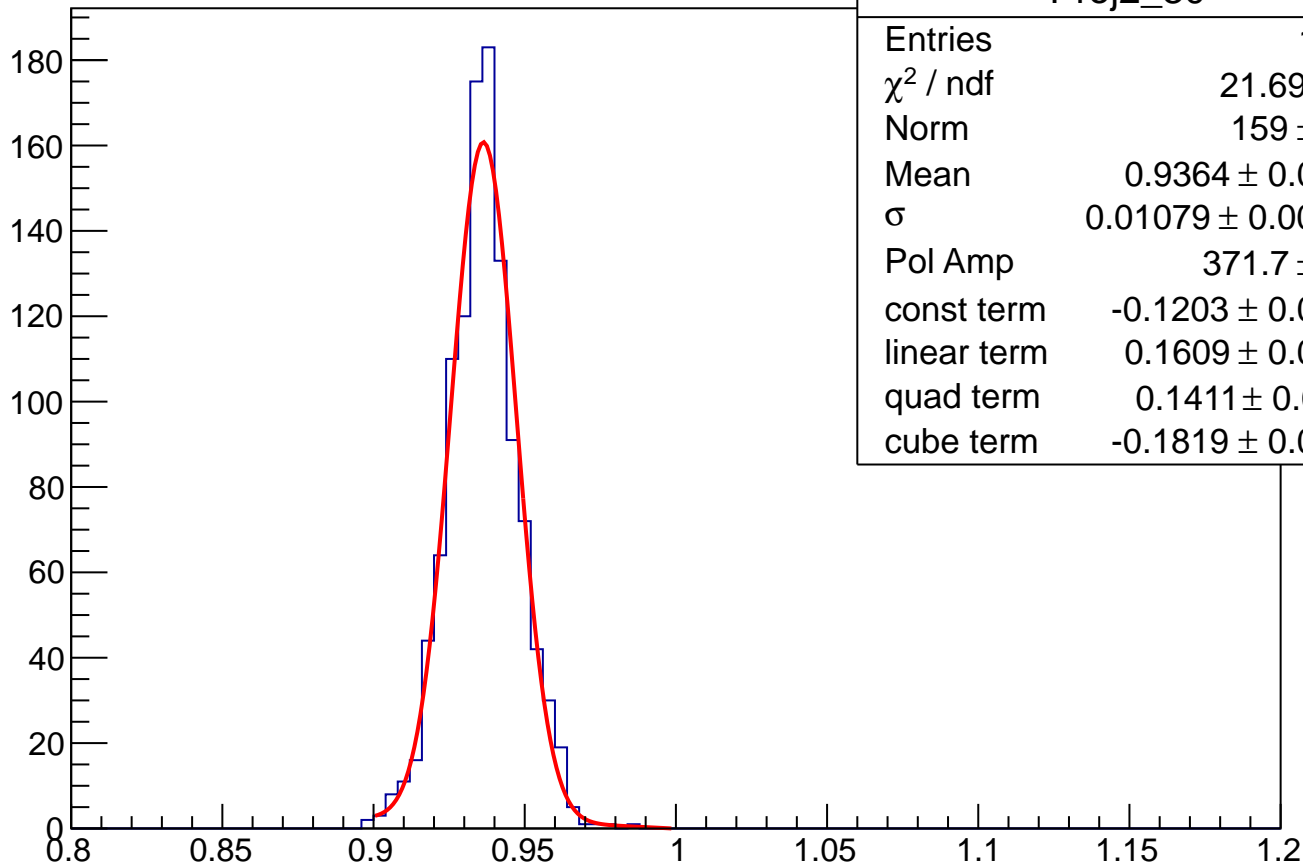
Proj2_222

Entries	43
χ^2 / ndf	9.09 / 8
Norm	1.772 ± 0.394
Mean	0.9328 ± 0.0001
σ	0.001964 ± 2.499533
Pol Amp	19.62 ± 4.13
const term	0.3139 ± 0.0013
linear term	0.08988 ± 0.00120
quad term	-0.1041 ± 0.0011
cube term	-0.2653 ± 0.0011

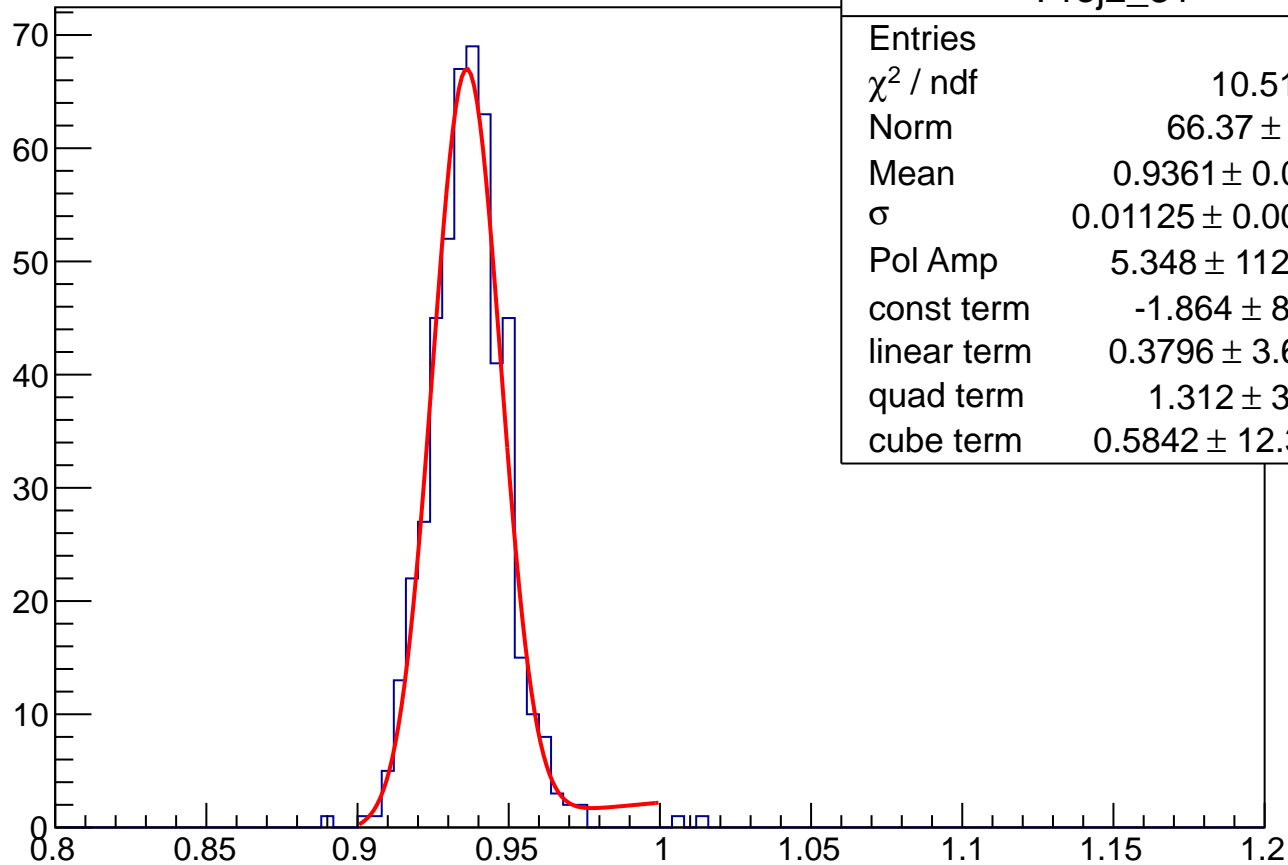
PhiThetaMassPim



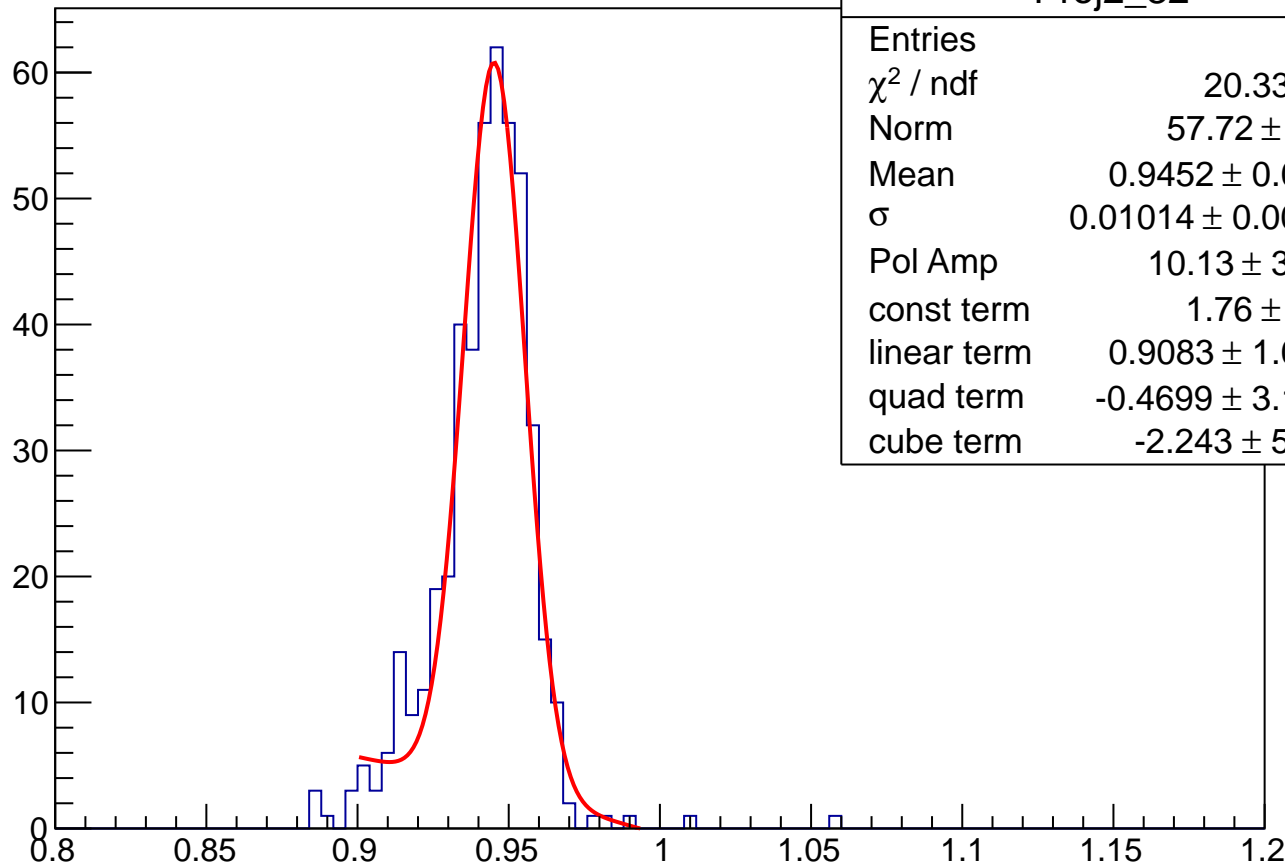
PhiThetaMassPim



PhiThetaMassPim



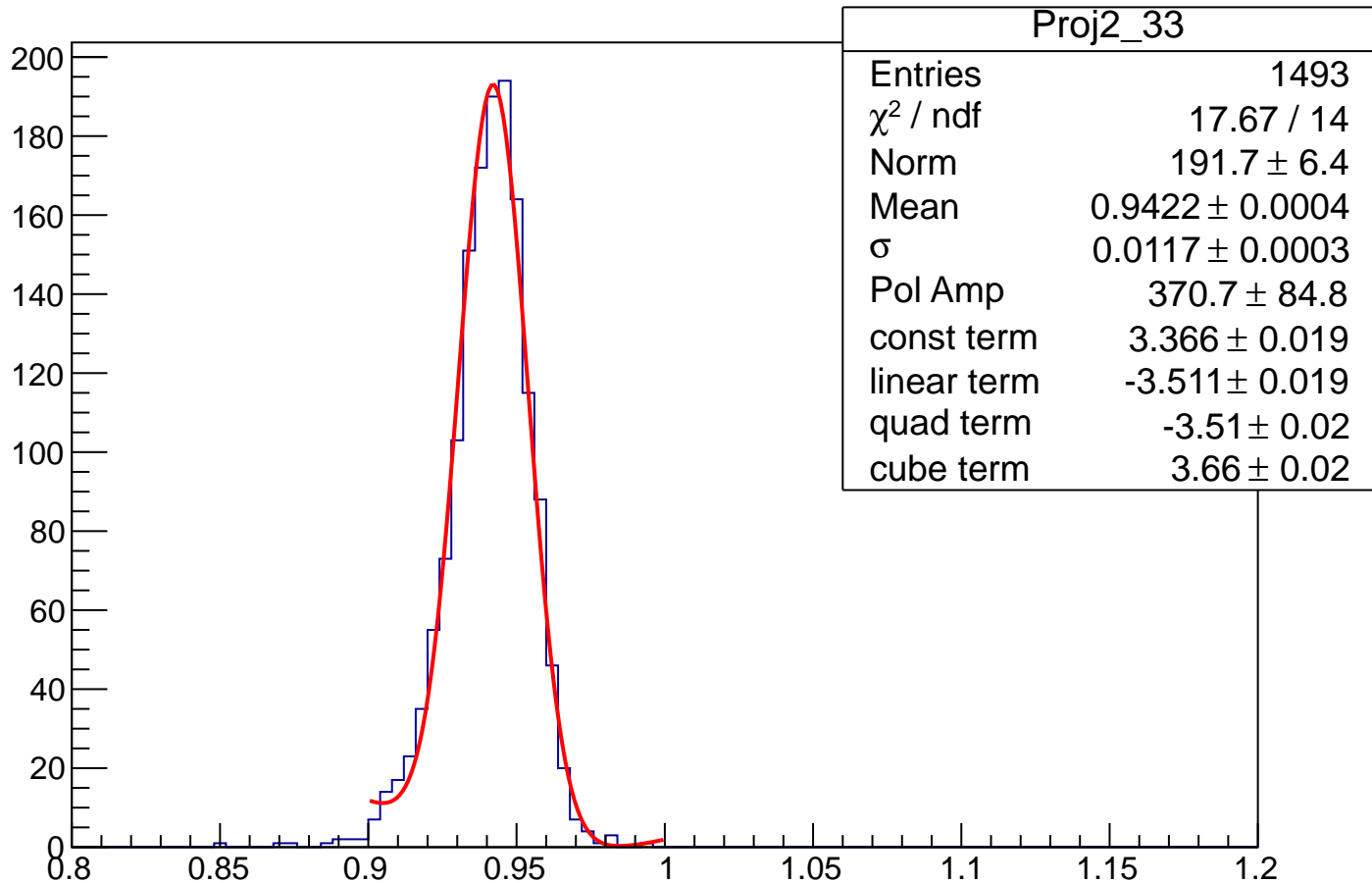
PhiThetaMassPim



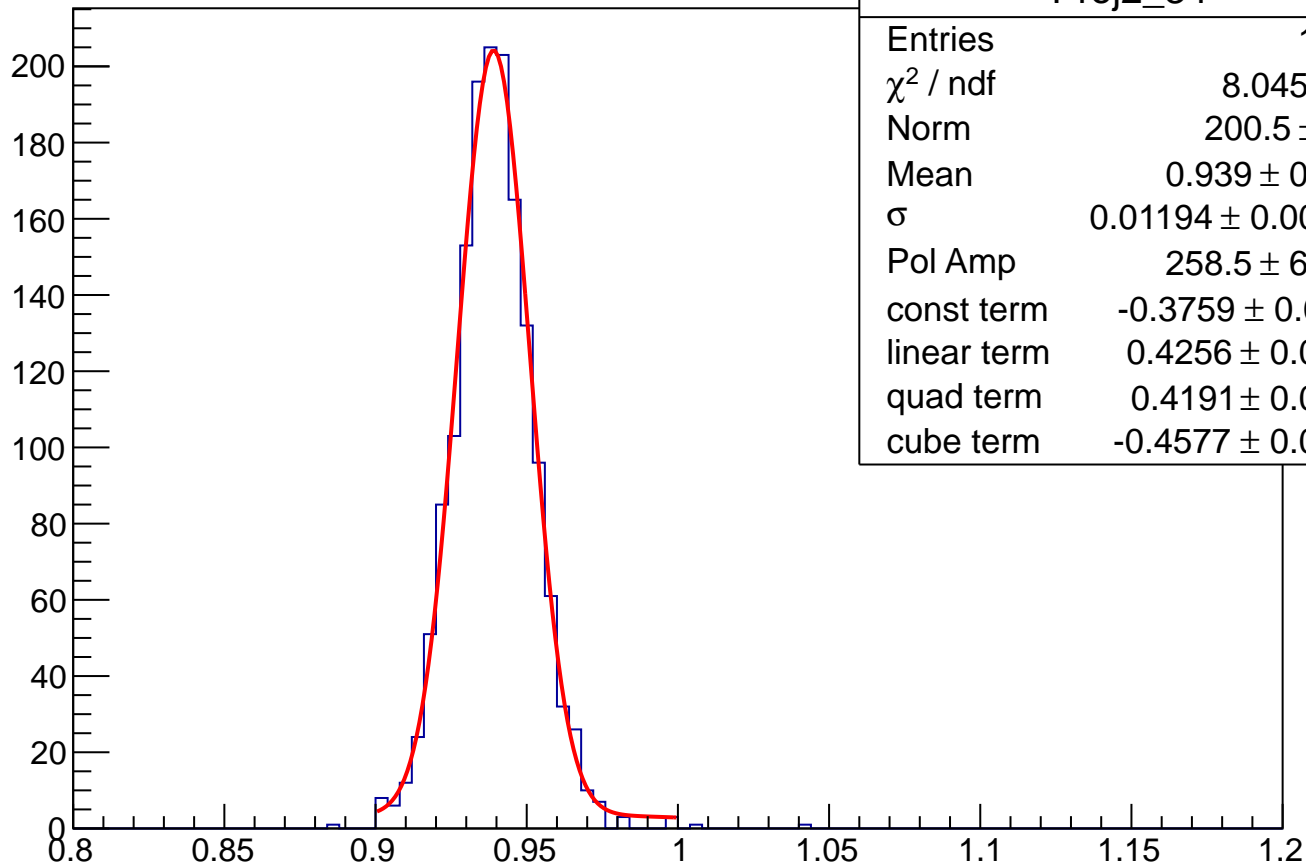
Proj2_32

Entries	462
χ^2 / ndf	20.33 / 13
Norm	57.72 ± 4.06
Mean	0.9452 ± 0.0007
σ	0.01014 ± 0.00059
Pol Amp	10.13 ± 32.74
const term	1.76 ± 7.12
linear term	0.9083 ± 1.0196
quad term	-0.4699 ± 3.1914
cube term	-2.243 ± 5.096

PhiThetaMassPim



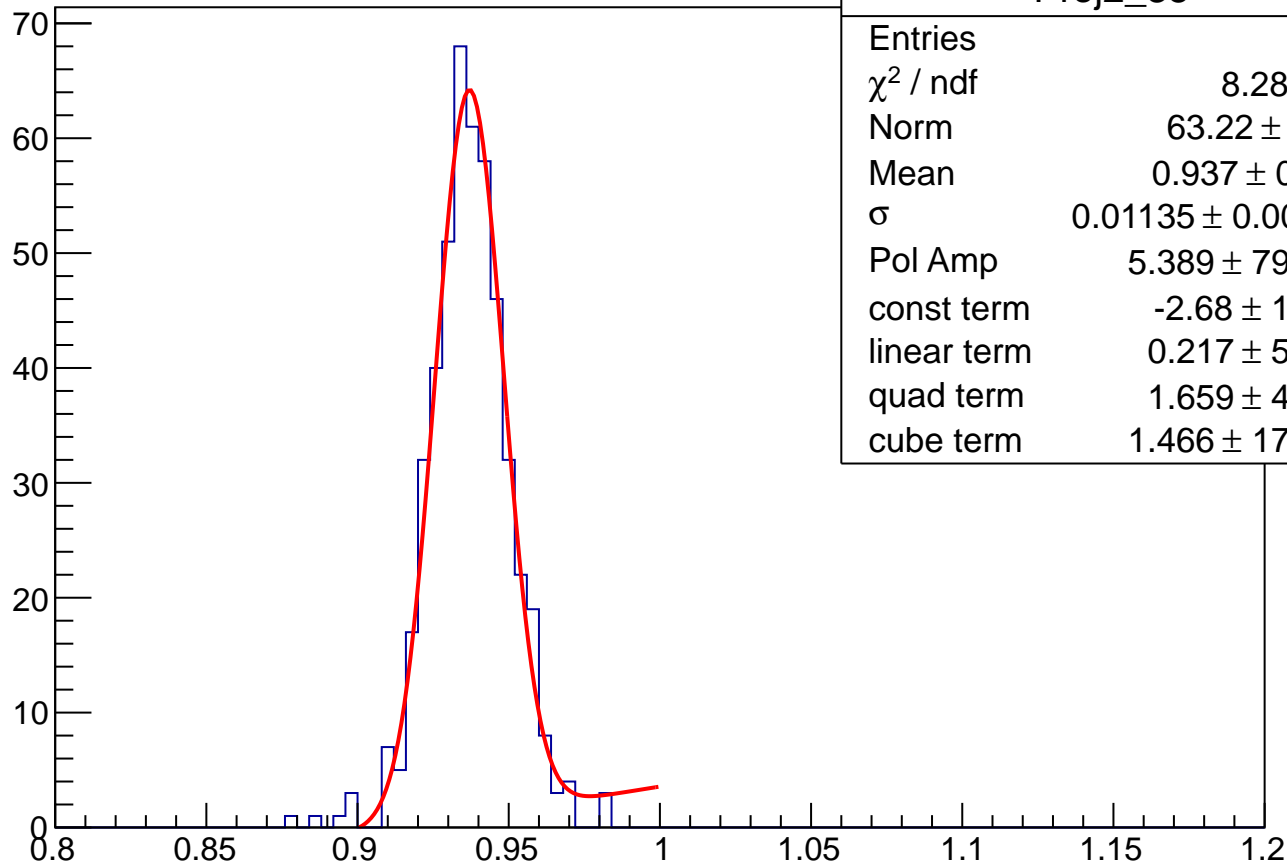
PhiThetaMassPim



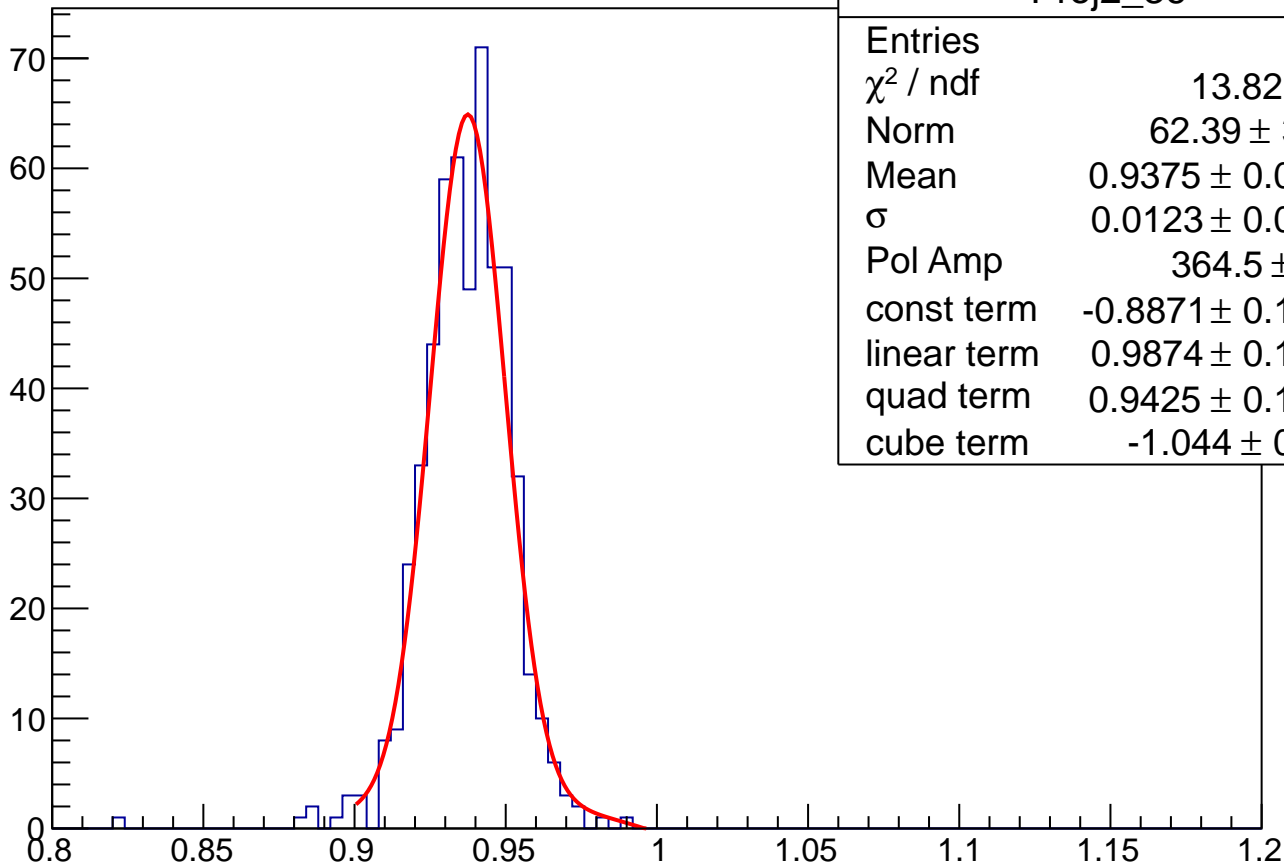
Proj2_34

Entries	1584
χ^2 / ndf	8.045 / 13
Norm	200.5 ± 6.6
Mean	0.939 ± 0.000
σ	0.01194 ± 0.00035
Pol Amp	258.5 ± 638.9
const term	-0.3759 ± 0.0361
linear term	0.4256 ± 0.0393
quad term	0.4191 ± 0.0392
cube term	-0.4577 ± 0.0353

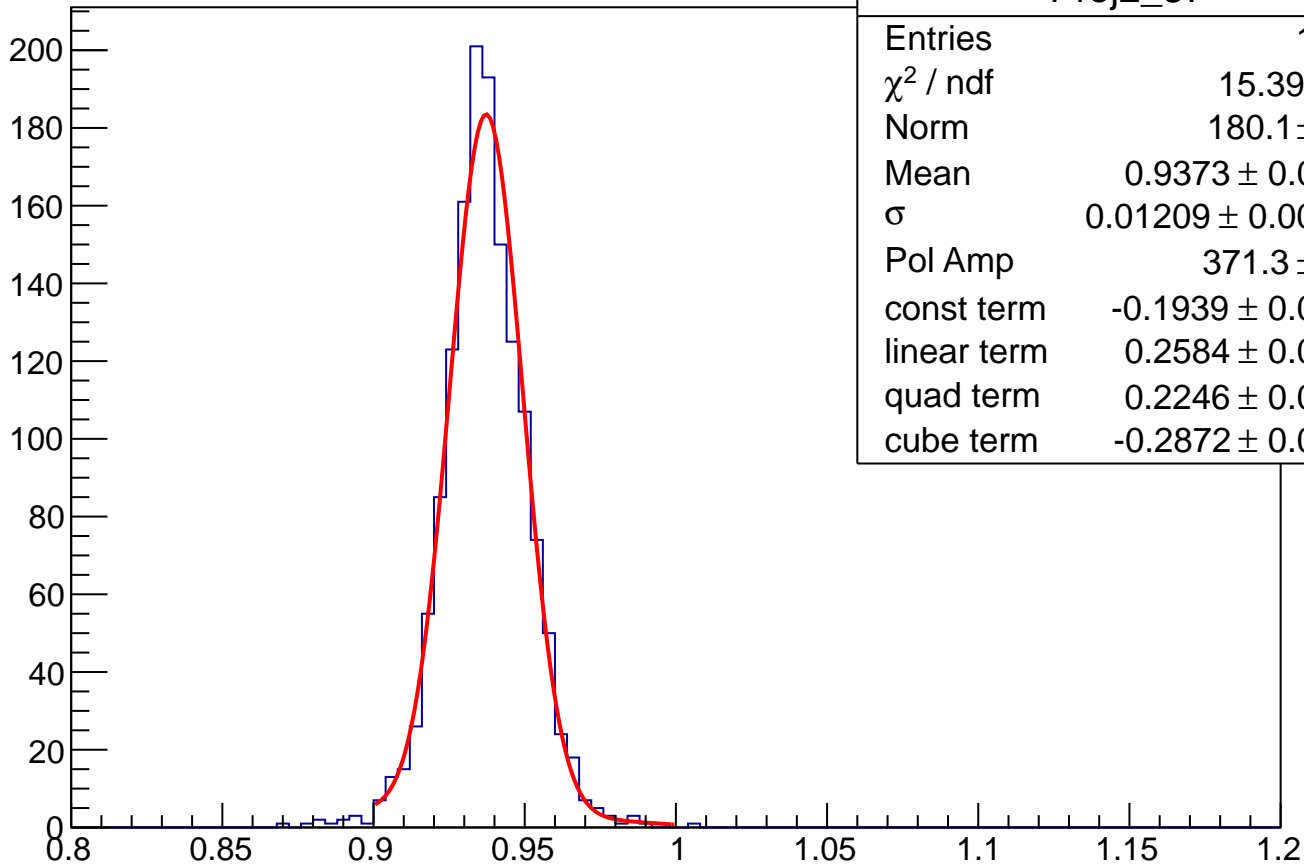
PhiThetaMassPim



PhiThetaMassPim



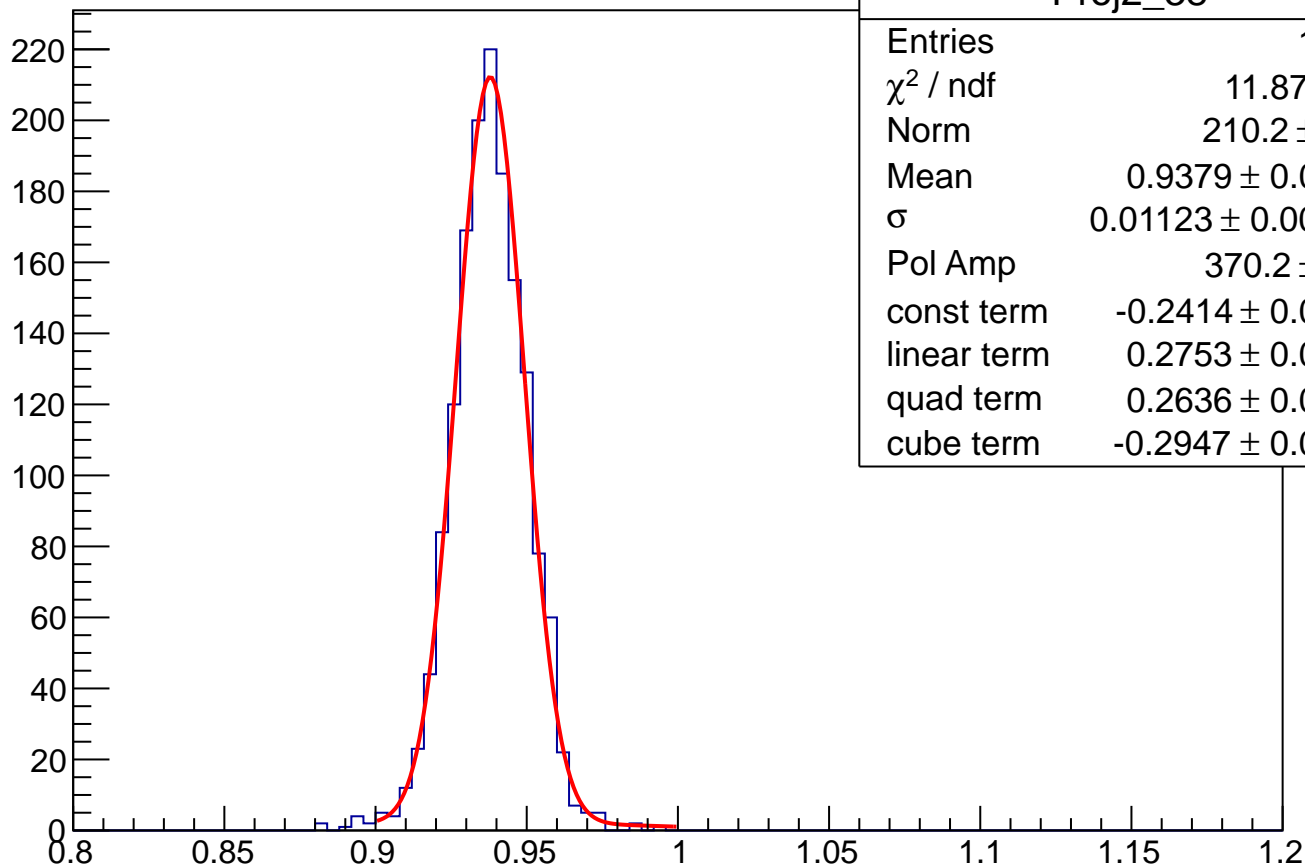
PhiThetaMassPim



Proj2_37

Entries	1459
χ^2 / ndf	15.39 / 15
Norm	180.1 ± 6.4
Mean	0.9373 ± 0.0004
σ	0.01209 ± 0.00038
Pol Amp	371.3 ± 0.2
const term	-0.1939 ± 0.0416
linear term	0.2584 ± 0.0187
quad term	0.2246 ± 0.0270
cube term	-0.2872 ± 0.0252

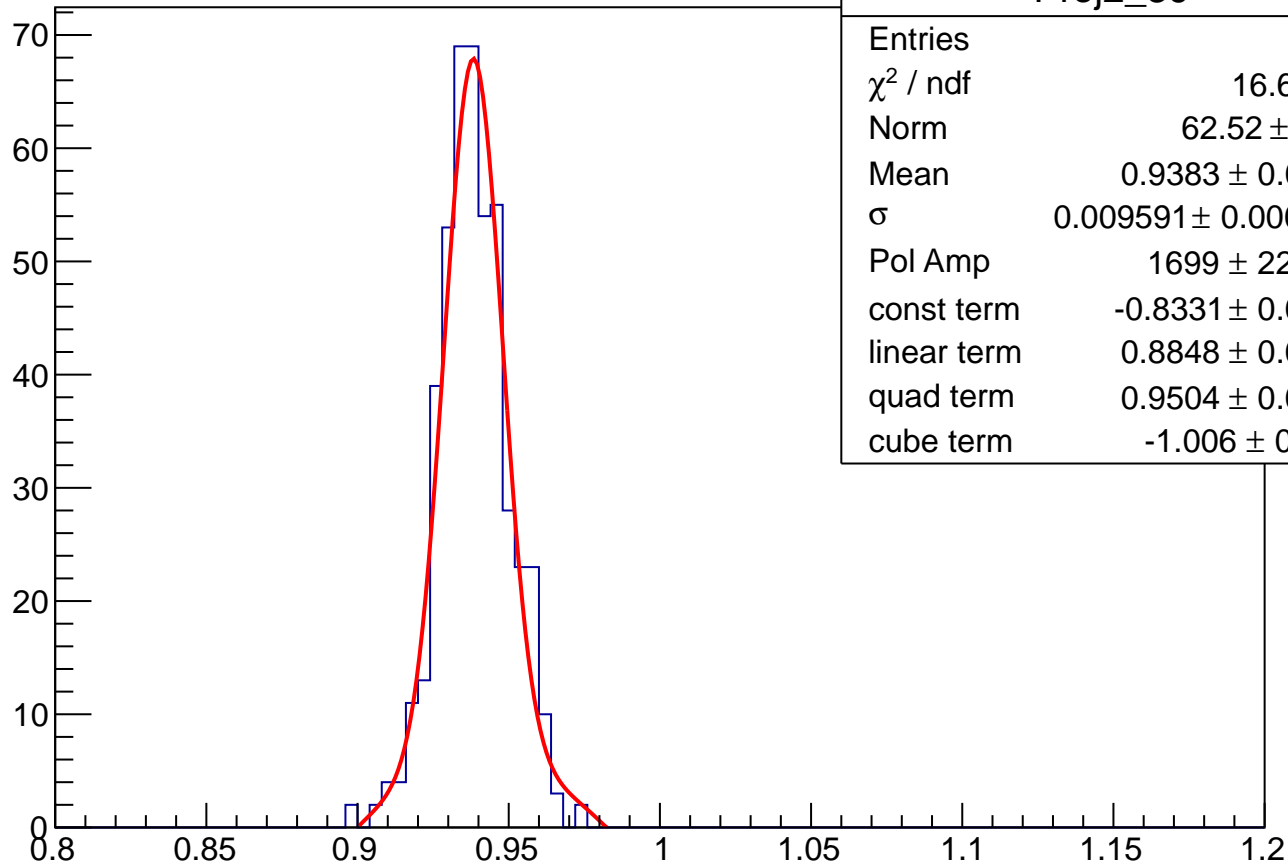
PhiThetaMassPim



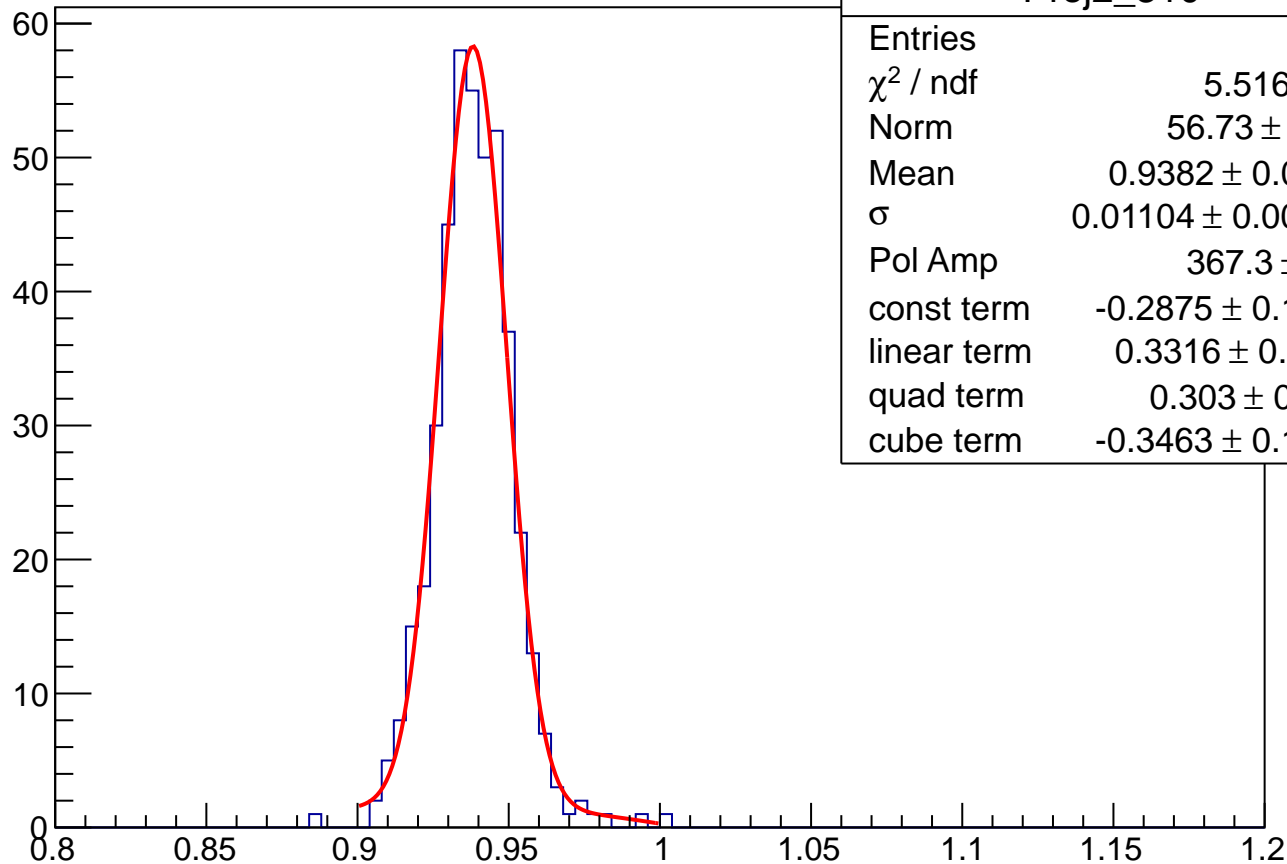
Proj2_38

Entries	1539
χ^2 / ndf	11.87 / 13
Norm	210.2 ± 6.8
Mean	0.9379 ± 0.0003
σ	0.01123 ± 0.00028
Pol Amp	370.2 ± 0.2
const term	-0.2414 ± 0.0379
linear term	0.2753 ± 0.0264
quad term	0.2636 ± 0.0309
cube term	-0.2947 ± 0.0282

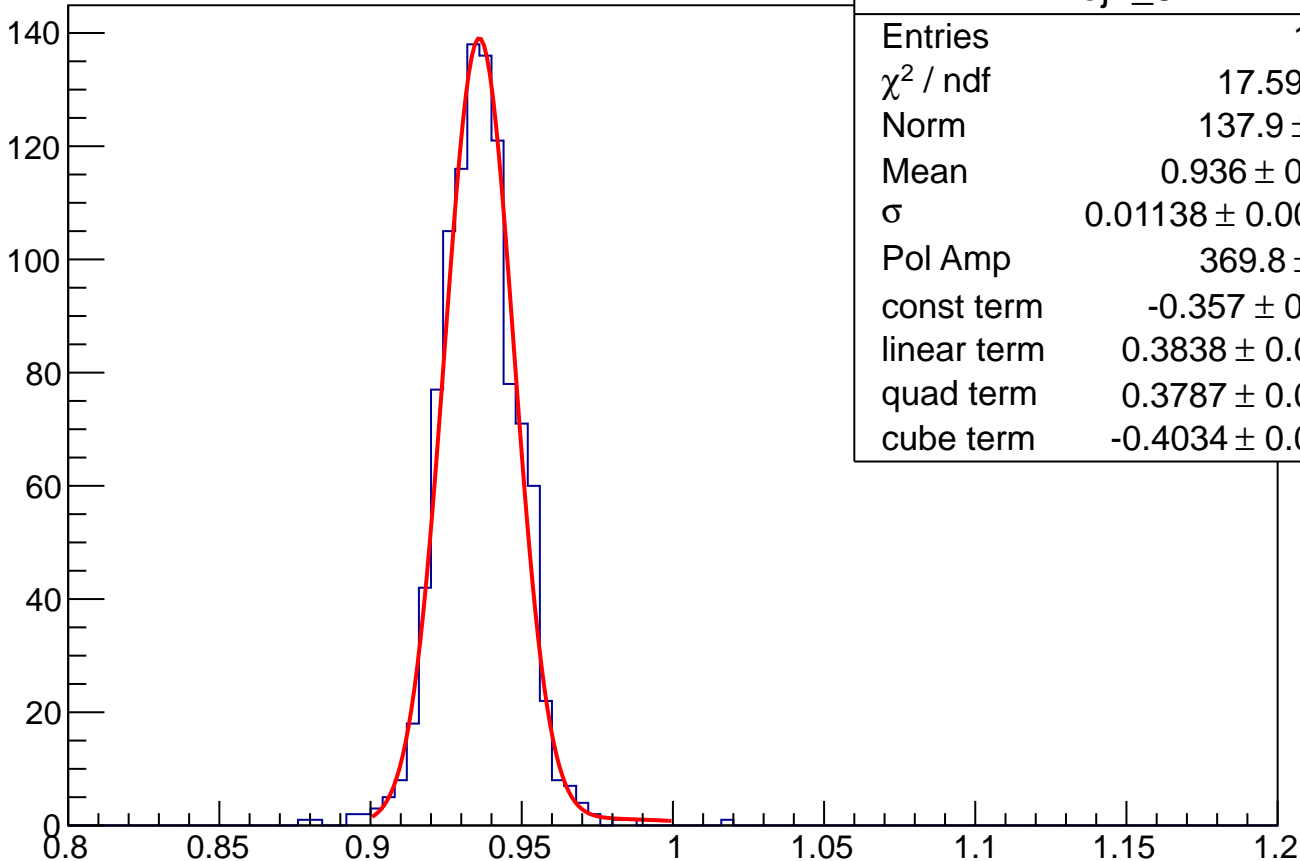
PhiThetaMassPim



PhiThetaMassPim



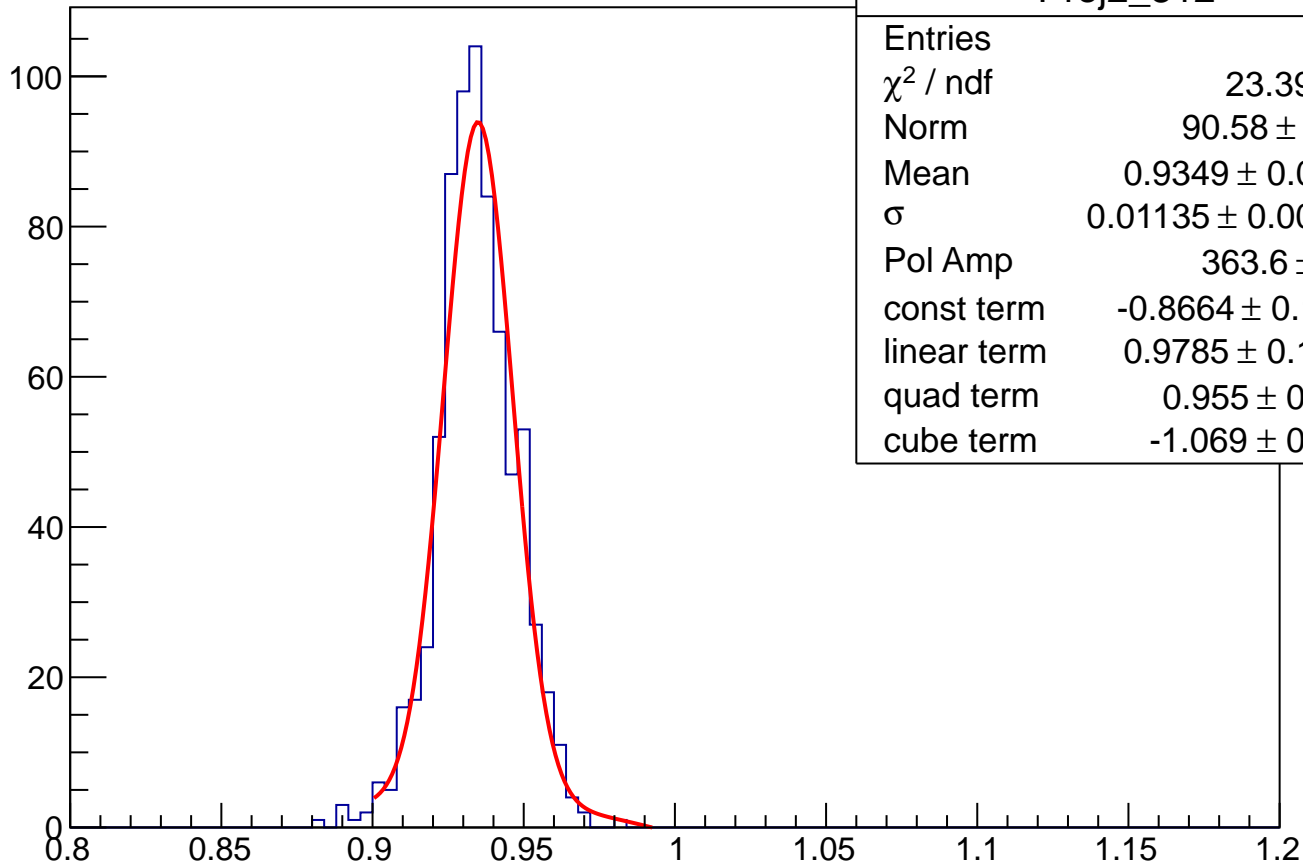
PhiThetaMassPim



Proj2_311

Entries	1030
χ^2 / ndf	17.59 / 13
Norm	137.9 ± 5.5
Mean	0.936 ± 0.000
σ	0.01138 ± 0.00035
Pol Amp	369.8 ± 0.2
const term	-0.357 ± 0.055
linear term	0.3838 ± 0.0445
quad term	0.3787 ± 0.0493
cube term	-0.4034 ± 0.0449

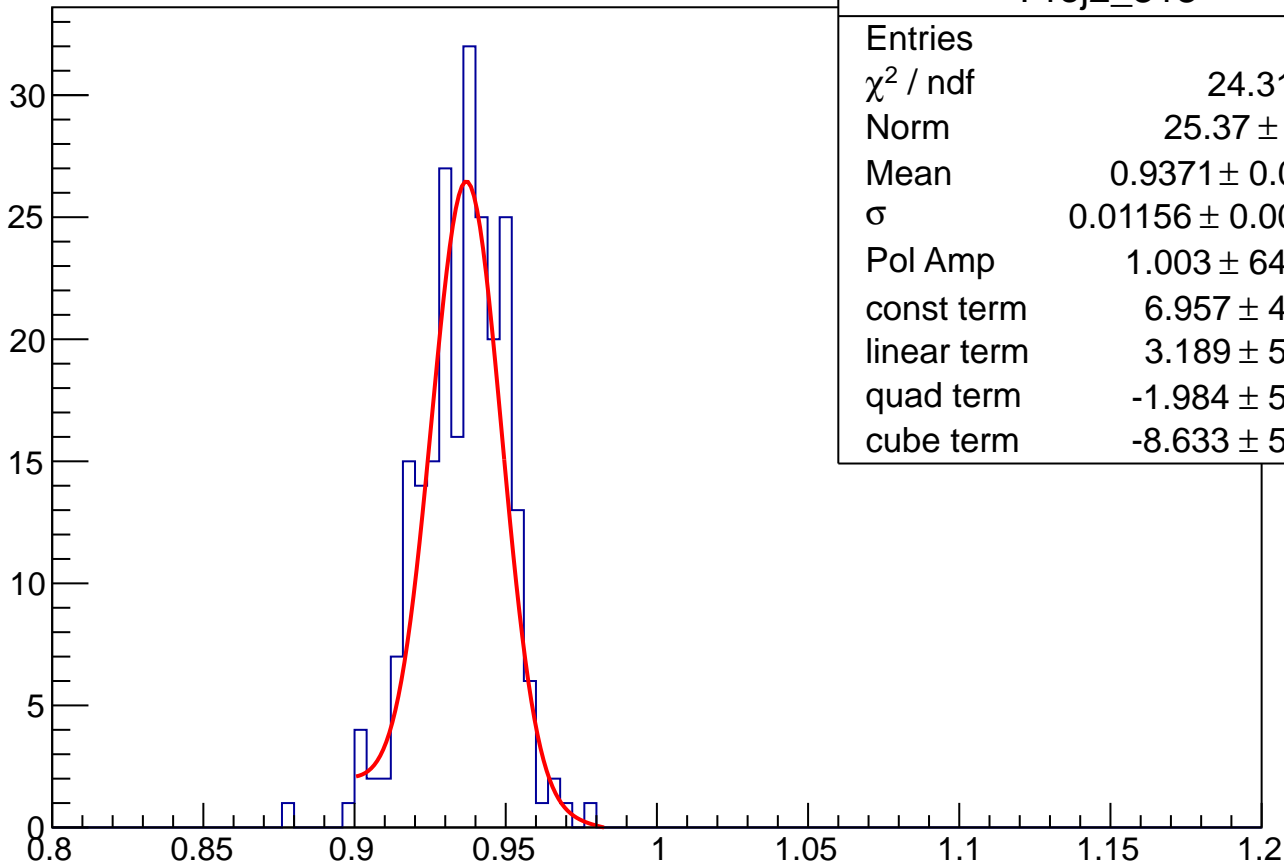
PhiThetaMassPim



Proj2_312

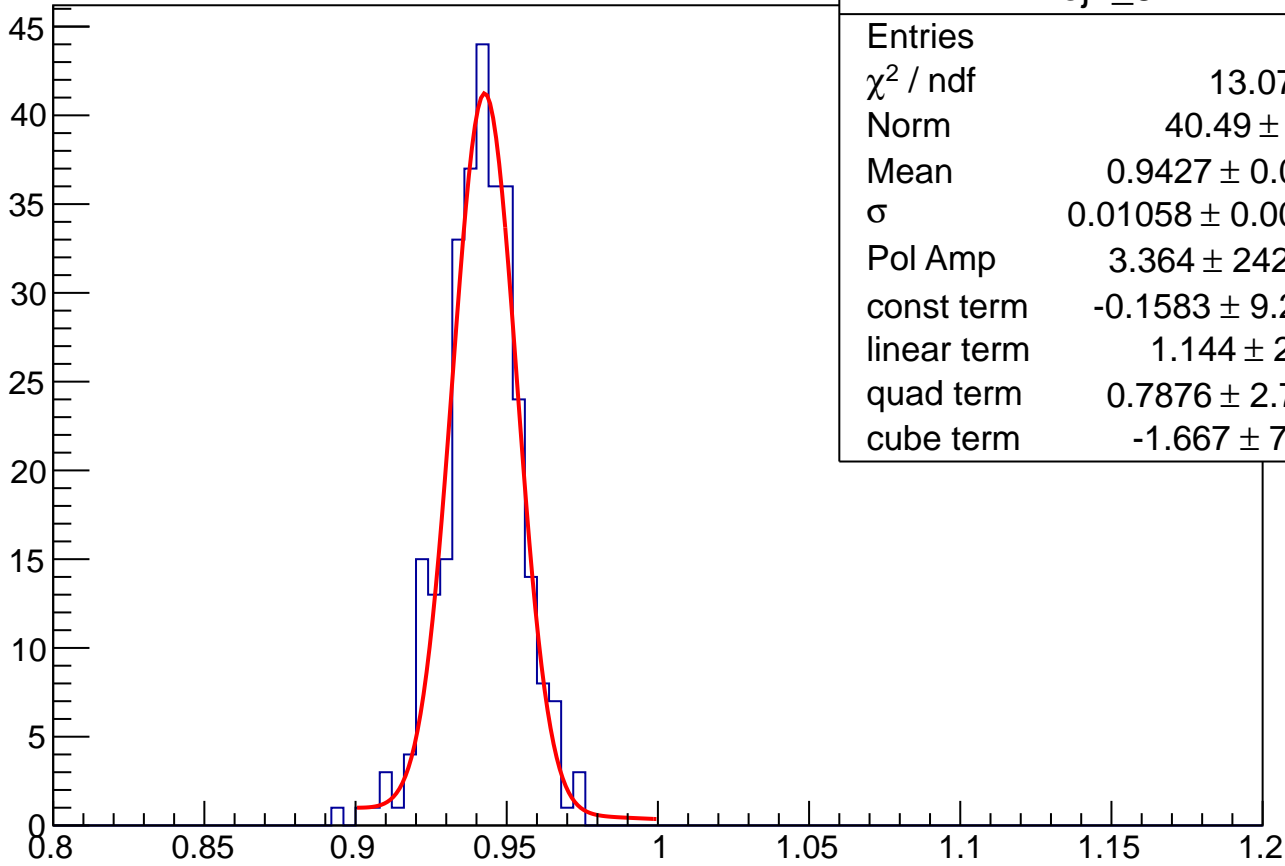
Entries	729
χ^2 / ndf	23.39 / 11
Norm	90.58 ± 4.80
Mean	0.9349 ± 0.0005
σ	0.01135 ± 0.00056
Pol Amp	363.6 ± 0.6
const term	-0.8664 ± 0.1441
linear term	0.9785 ± 0.1394
quad term	0.955 ± 0.146
cube term	-1.069 ± 0.145

PhiThetaMassPim

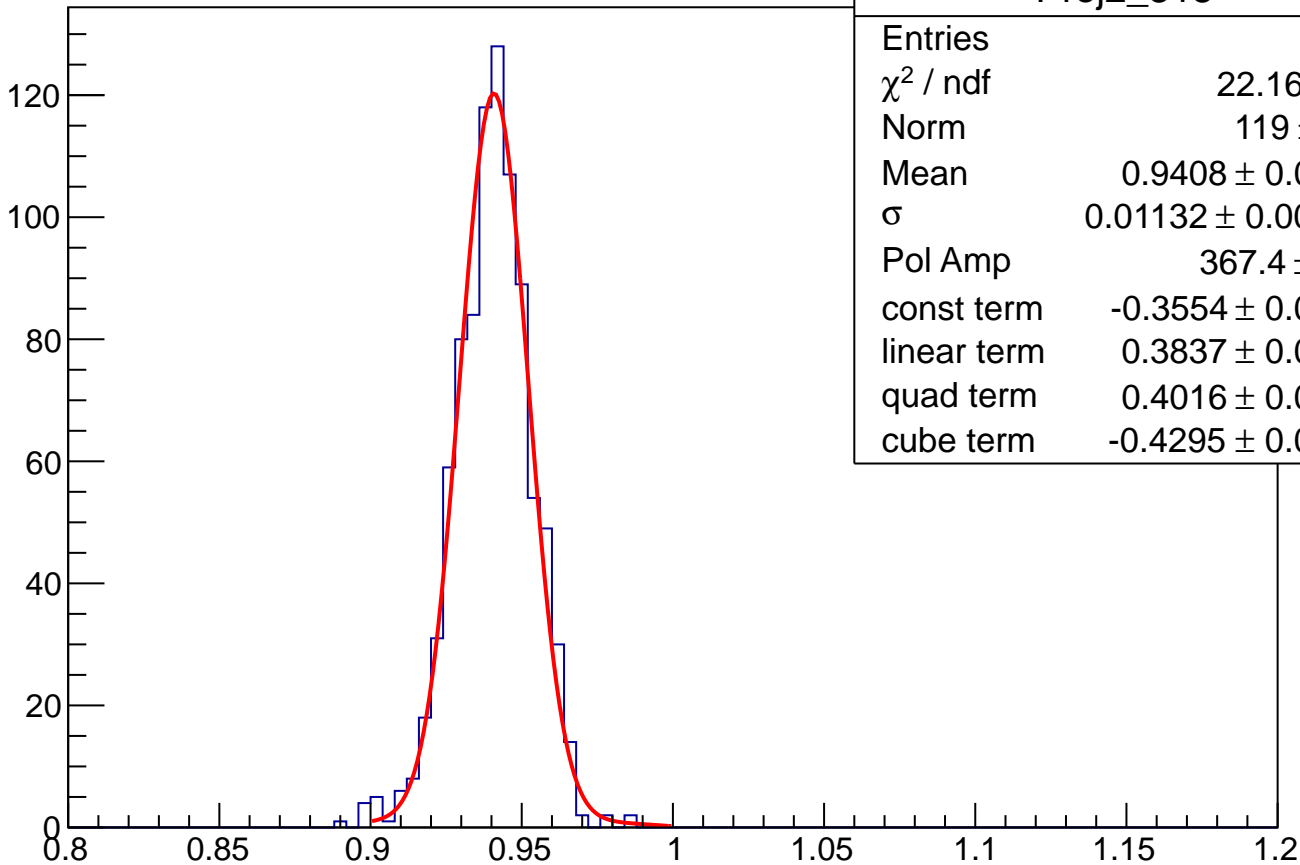


PhiThetaMassPim

Proj2_314	
Entries	297
χ^2 / ndf	13.07 / 11
Norm	40.49 ± 3.13
Mean	0.9427 ± 0.0007
σ	0.01058 ± 0.00067
Pol Amp	3.364 ± 242.112
const term	-0.1583 ± 9.2028
linear term	1.144 ± 2.981
quad term	0.7876 ± 2.7683
cube term	-1.667 ± 7.690



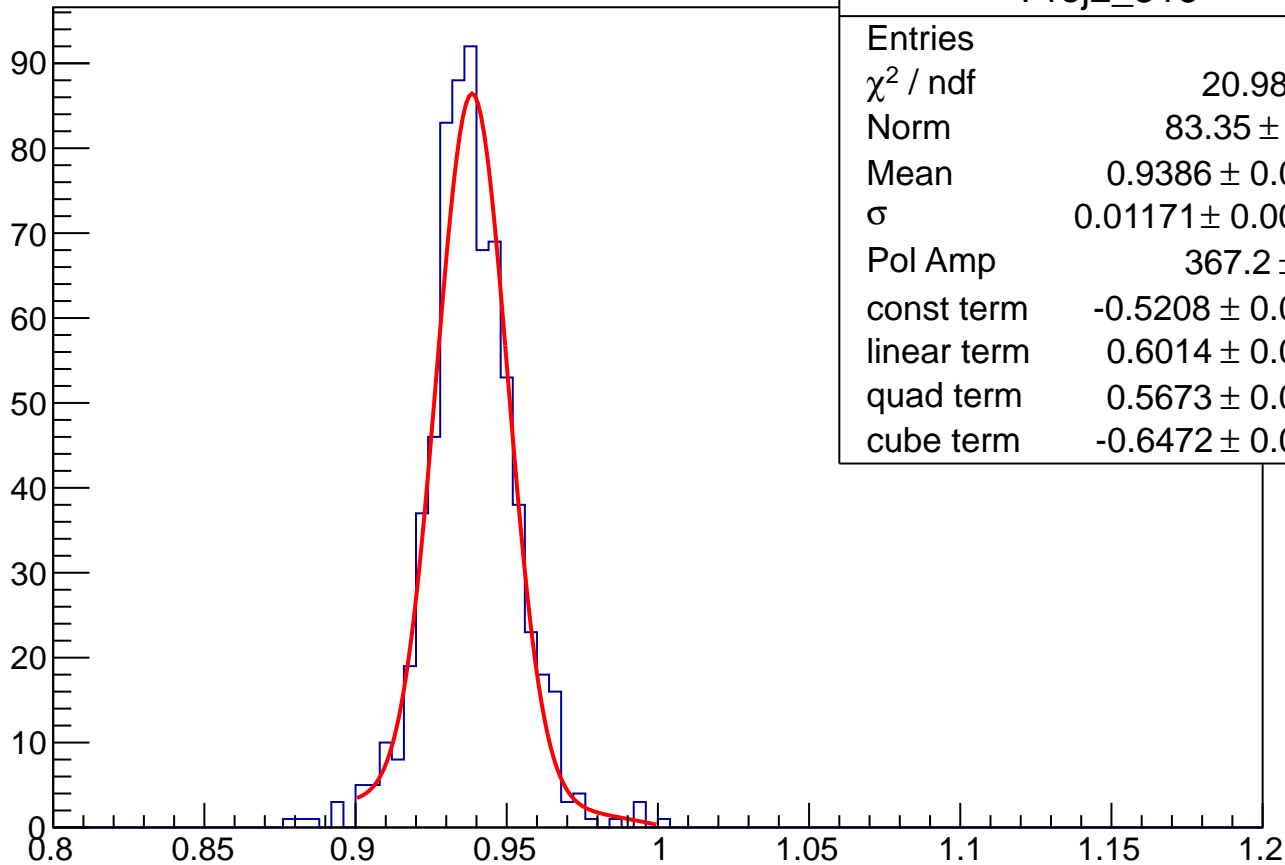
PhiThetaMassPim



Proj2_315

Entries	892
χ^2 / ndf	22.16 / 12
Norm	119 ± 5.1
Mean	0.9408 ± 0.0004
σ	0.01132 ± 0.00034
Pol Amp	367.4 ± 0.4
const term	-0.3554 ± 0.0518
linear term	0.3837 ± 0.0549
quad term	0.4016 ± 0.0567
cube term	-0.4295 ± 0.0646

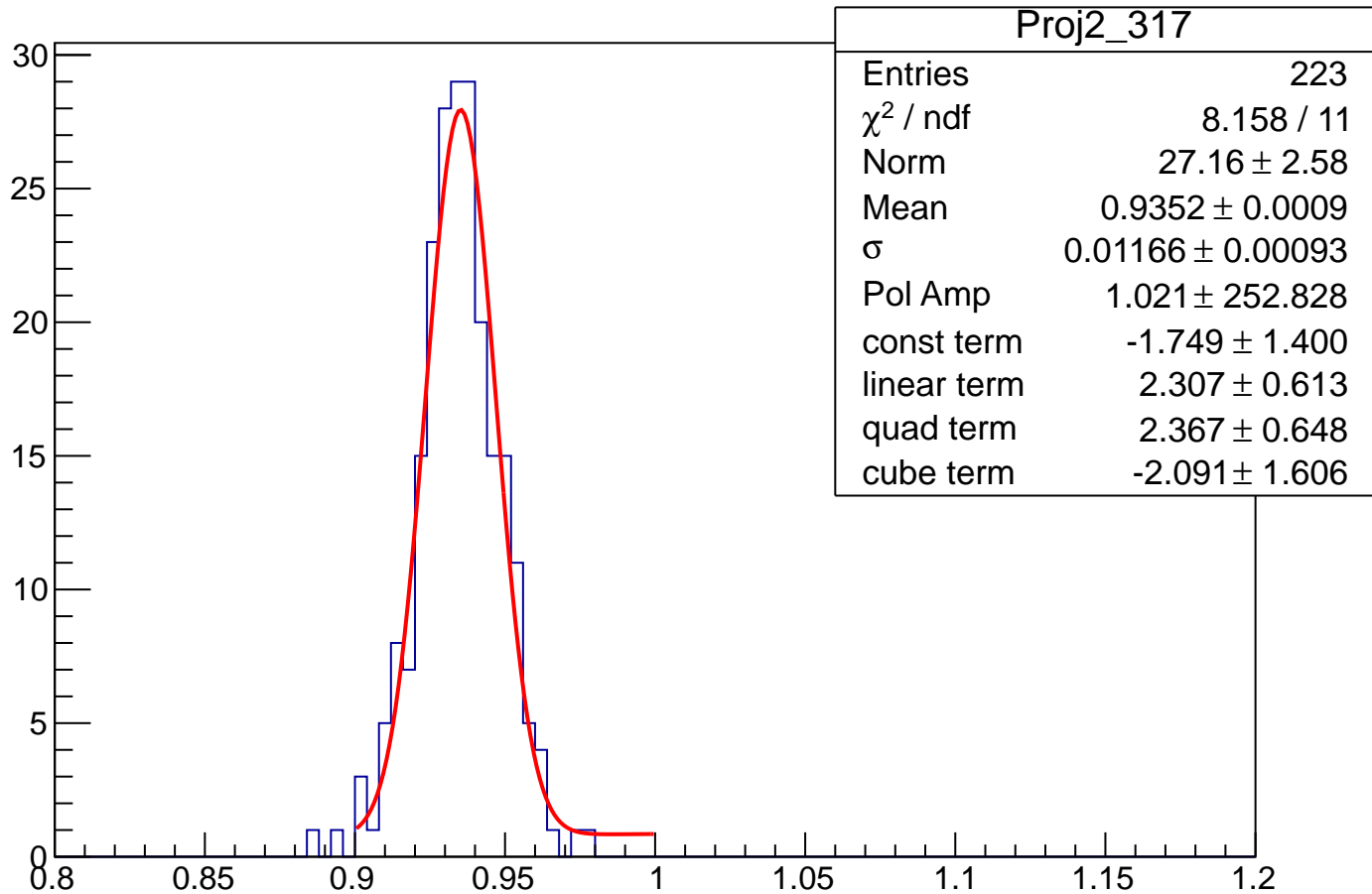
PhiThetaMassPim



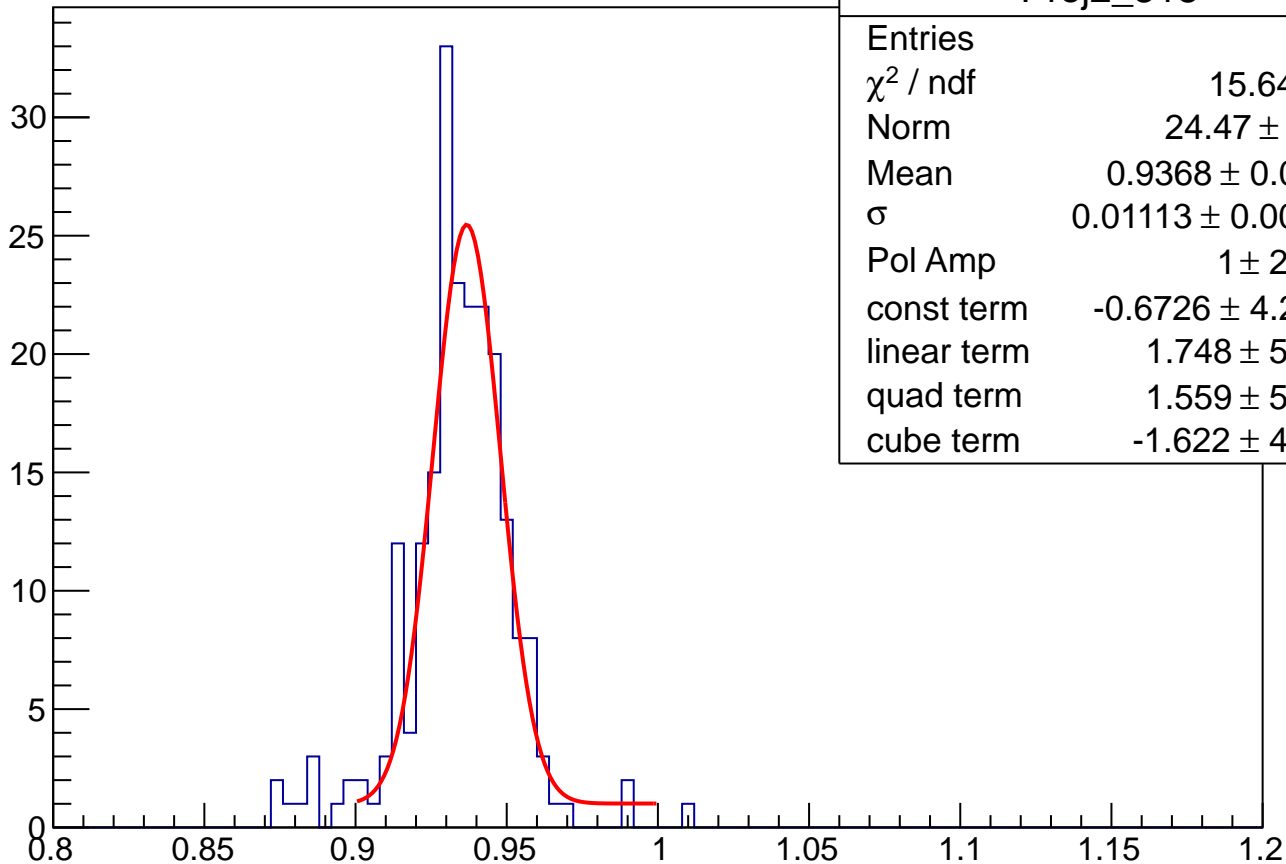
Proj2_316

Entries	697
χ^2 / ndf	20.98 / 14
Norm	83.35 ± 4.34
Mean	0.9386 ± 0.0006
σ	0.01171 ± 0.00053
Pol Amp	367.2 ± 0.4
const term	-0.5208 ± 0.0844
linear term	0.6014 ± 0.0777
quad term	0.5673 ± 0.0810
cube term	-0.6472 ± 0.0779

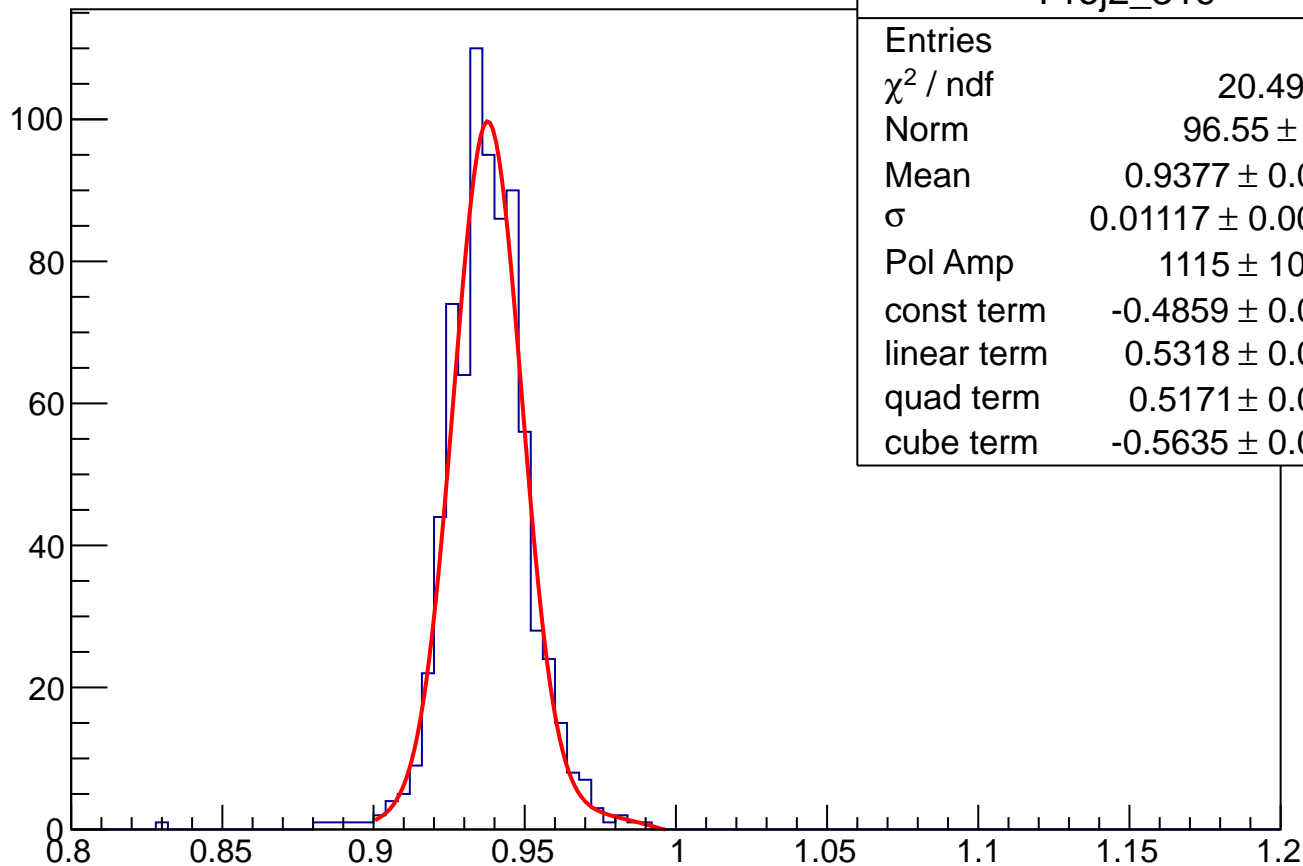
PhiThetaMassPim



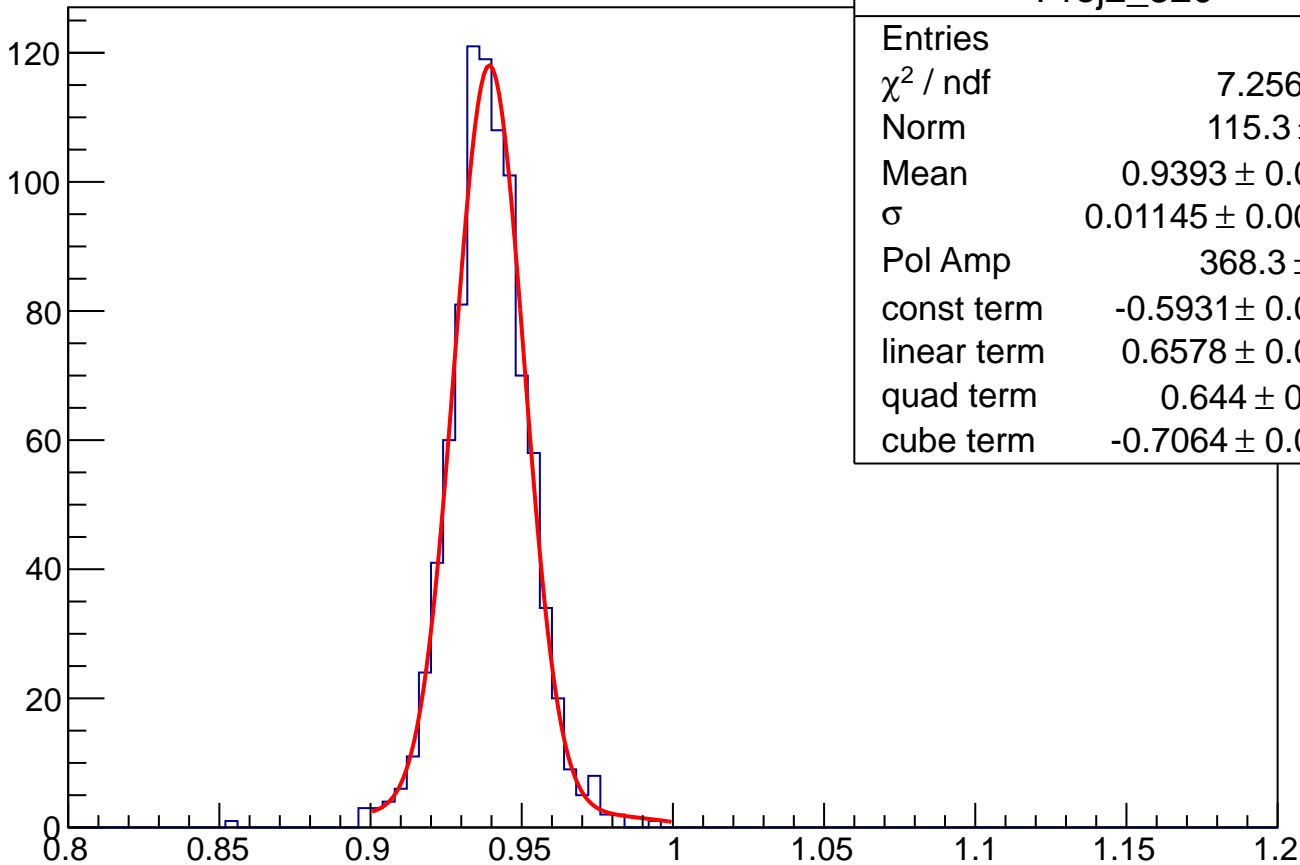
PhiThetaMassPim



PhiThetaMassPim



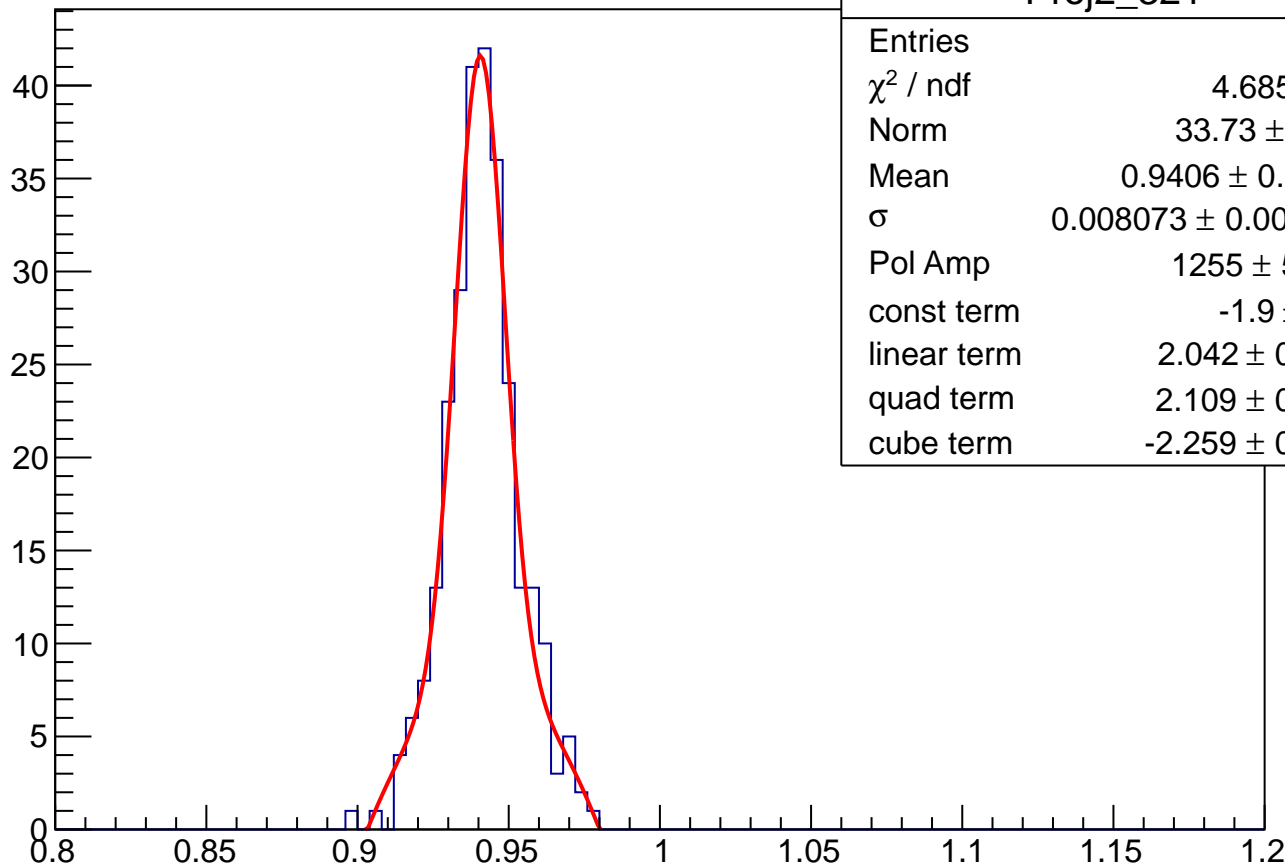
PhiThetaMassPim



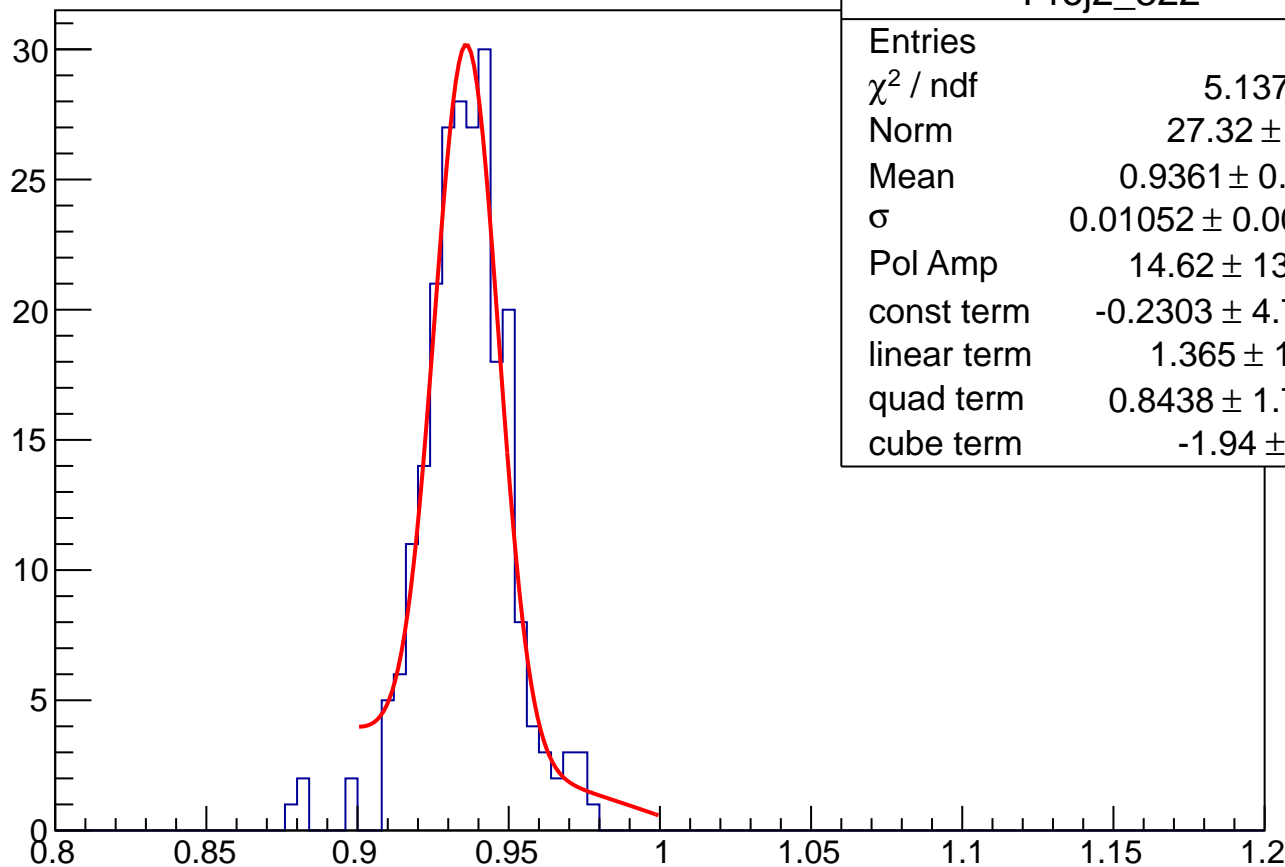
Proj2_320

Entries	892
χ^2 / ndf	7.256 / 14
Norm	115.3 ± 5.1
Mean	0.9393 ± 0.0004
σ	0.01145 ± 0.00040
Pol Amp	368.3 ± 0.3
const term	-0.5931 ± 0.0826
linear term	0.6578 ± 0.0808
quad term	0.644 ± 0.083
cube term	-0.7064 ± 0.0845

PhiThetaMassPim



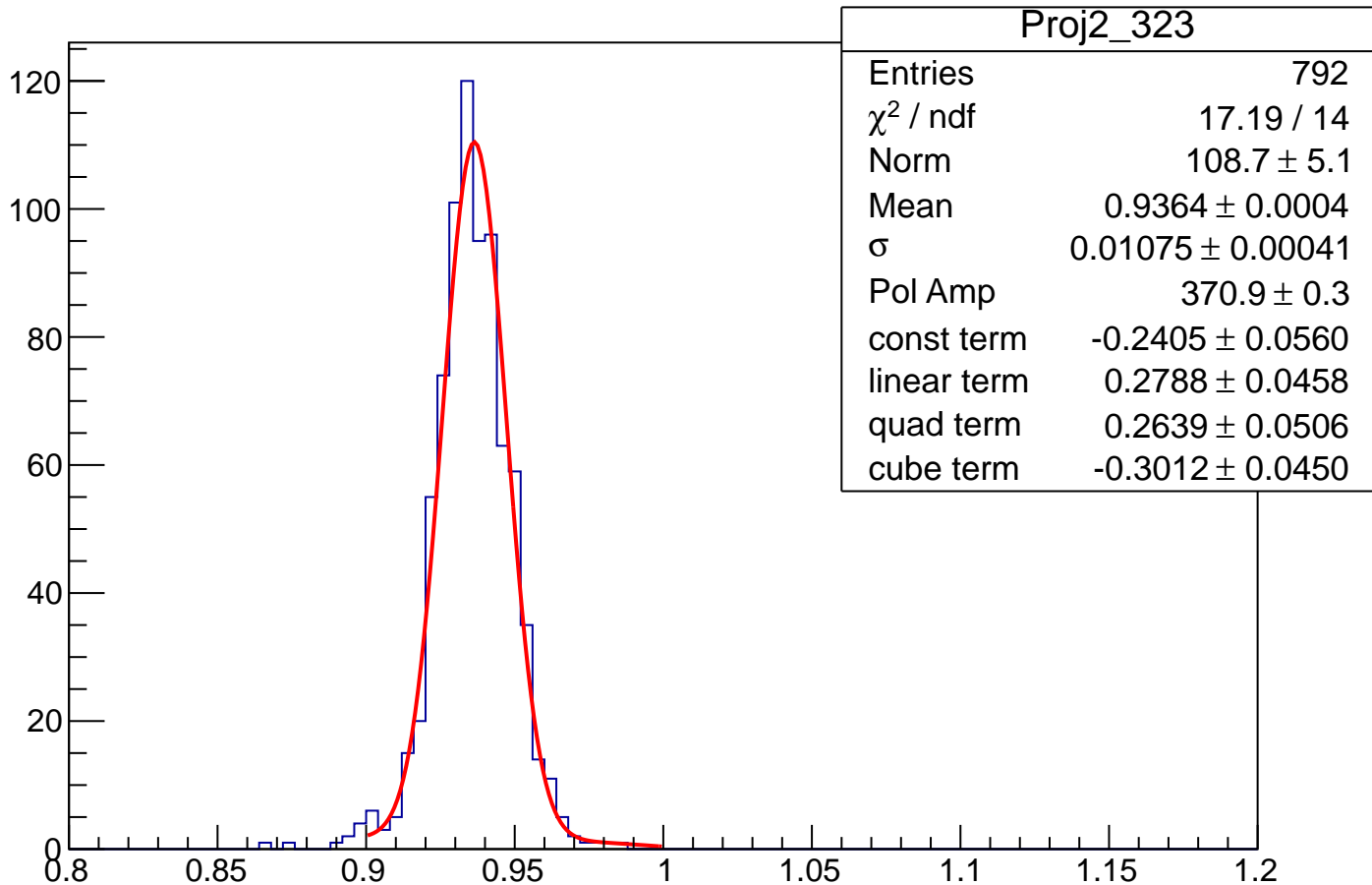
PhiThetaMassPim



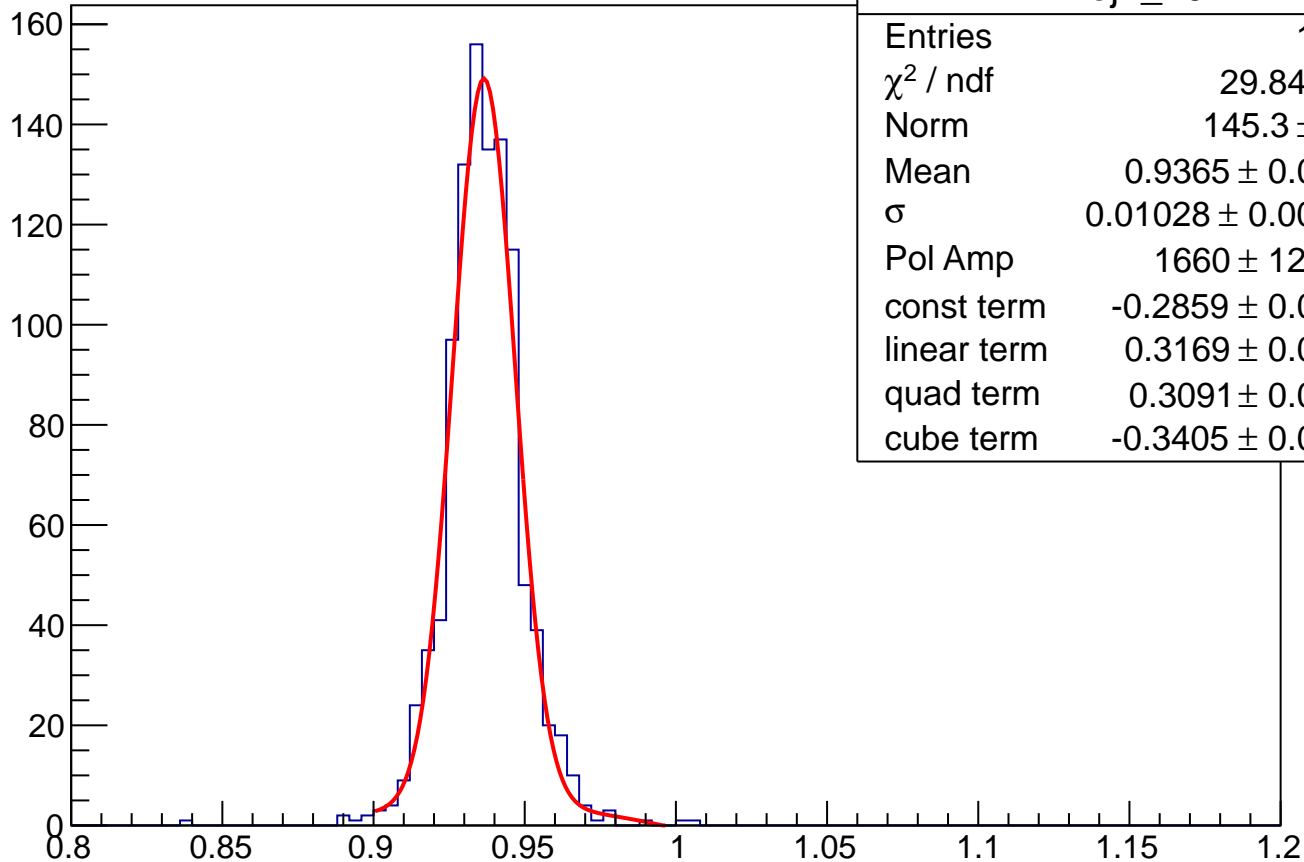
Proj2_322

Entries	236
χ^2 / ndf	5.137 / 10
Norm	27.32 ± 2.86
Mean	0.9361 ± 0.0011
σ	0.01052 ± 0.00122
Pol Amp	14.62 ± 138.75
const term	-0.2303 ± 4.7082
linear term	1.365 ± 1.110
quad term	0.8438 ± 1.7545
cube term	-1.94 ± 3.81

PhiThetaMassPim



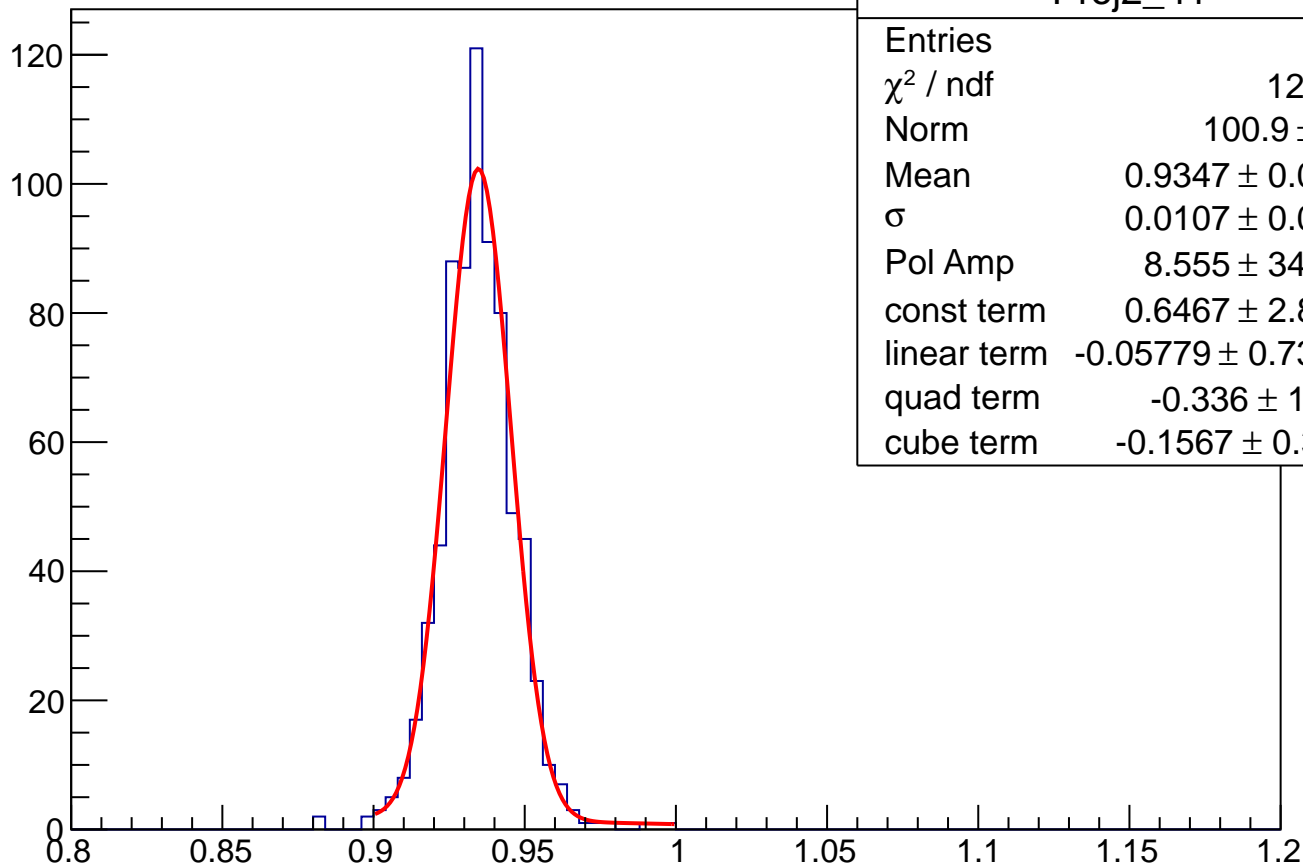
PhiThetaMassPim



Proj2_40

Entries	1040
χ^2 / ndf	29.84 / 13
Norm	145.3 ± 6.4
Mean	0.9365 ± 0.0004
σ	0.01028 ± 0.00040
Pol Amp	1660 ± 1227.9
const term	-0.2859 ± 0.0035
linear term	0.3169 ± 0.0039
quad term	0.3091 ± 0.0040
cube term	-0.3405 ± 0.0038

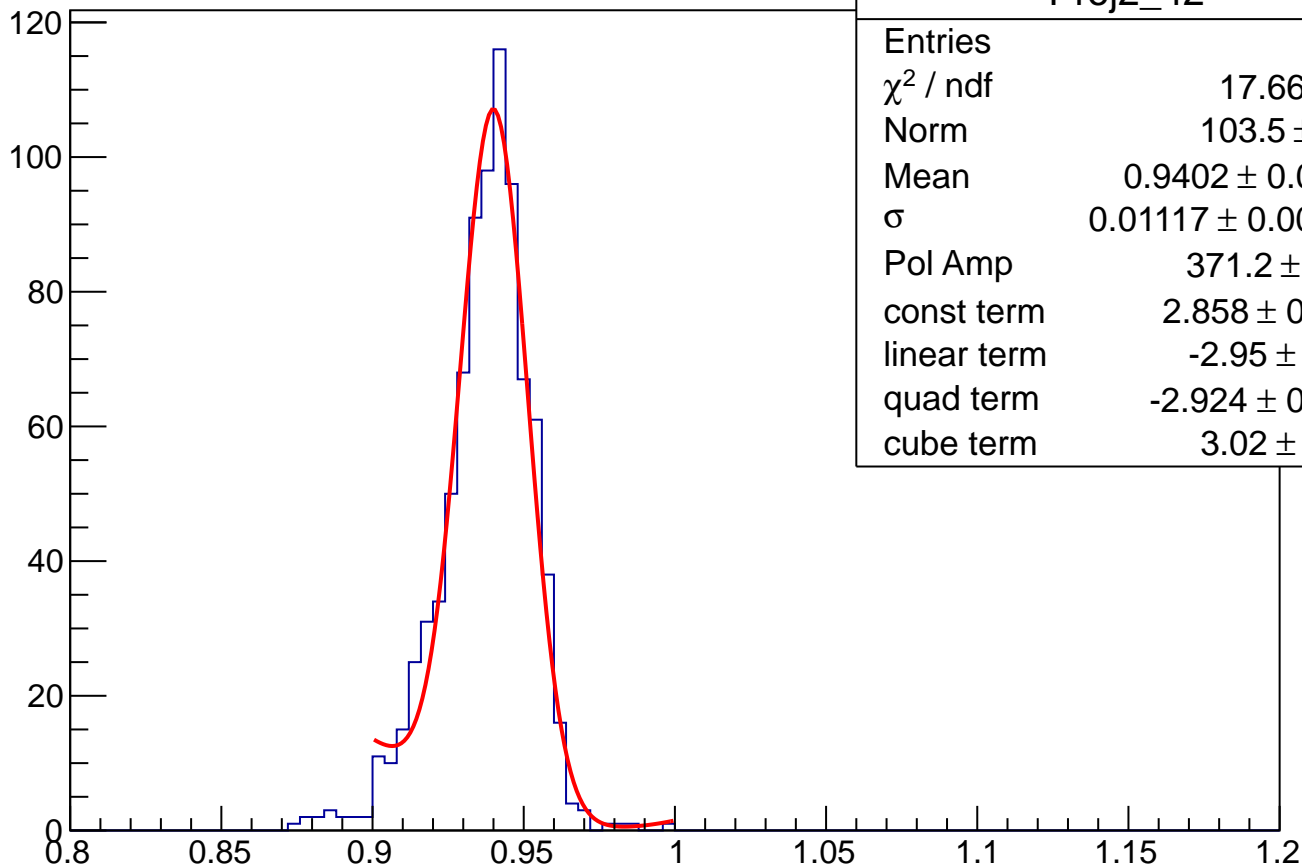
PhiThetaMassPim



Proj2_41

Entries	723
χ^2 / ndf	12 / 15
Norm	100.9 ± 5.0
Mean	0.9347 ± 0.0005
σ	0.0107 ± 0.0004
Pol Amp	8.555 ± 34.039
const term	0.6467 ± 2.8356
linear term	-0.05779 ± 0.73577
quad term	-0.336 ± 1.698
cube term	-0.1567 ± 0.3501

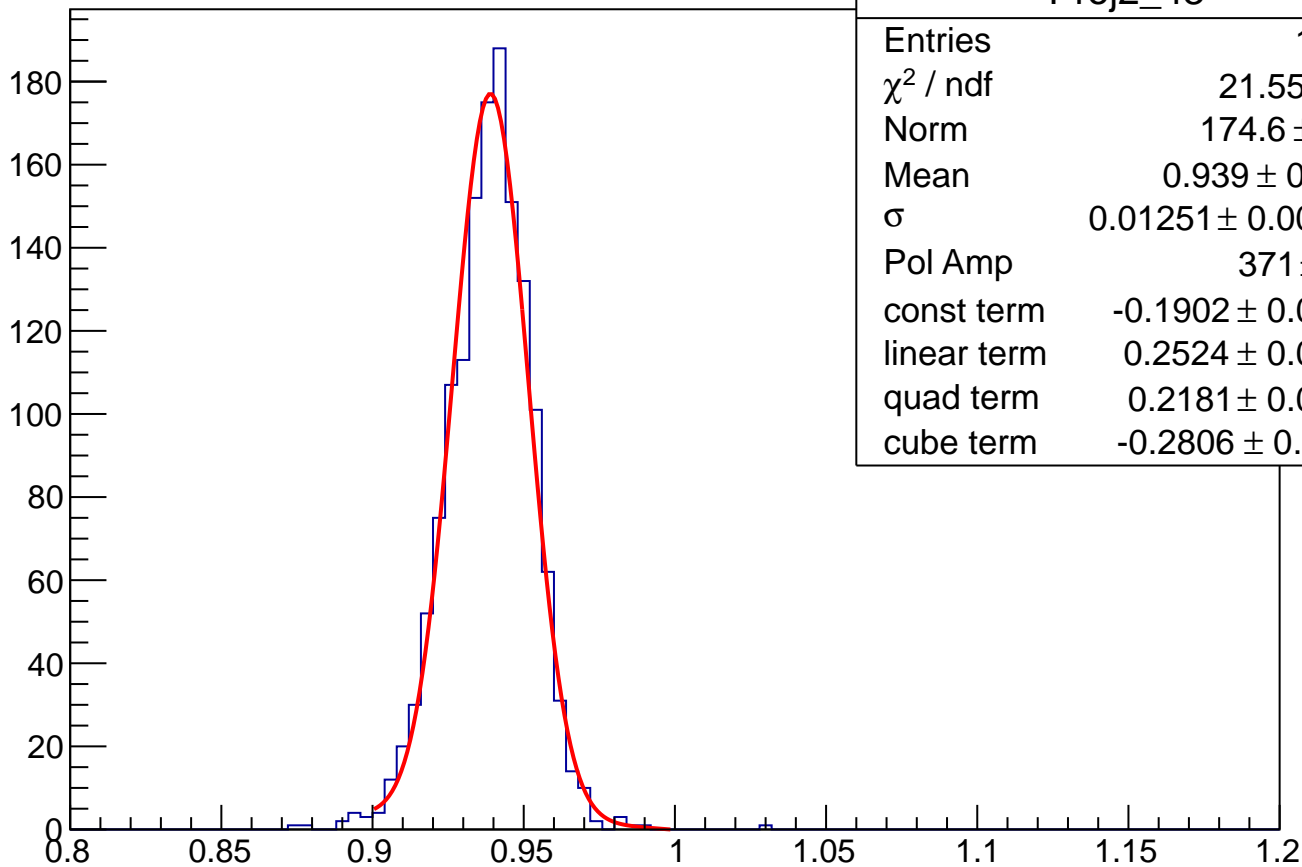
PhiThetaMassPim



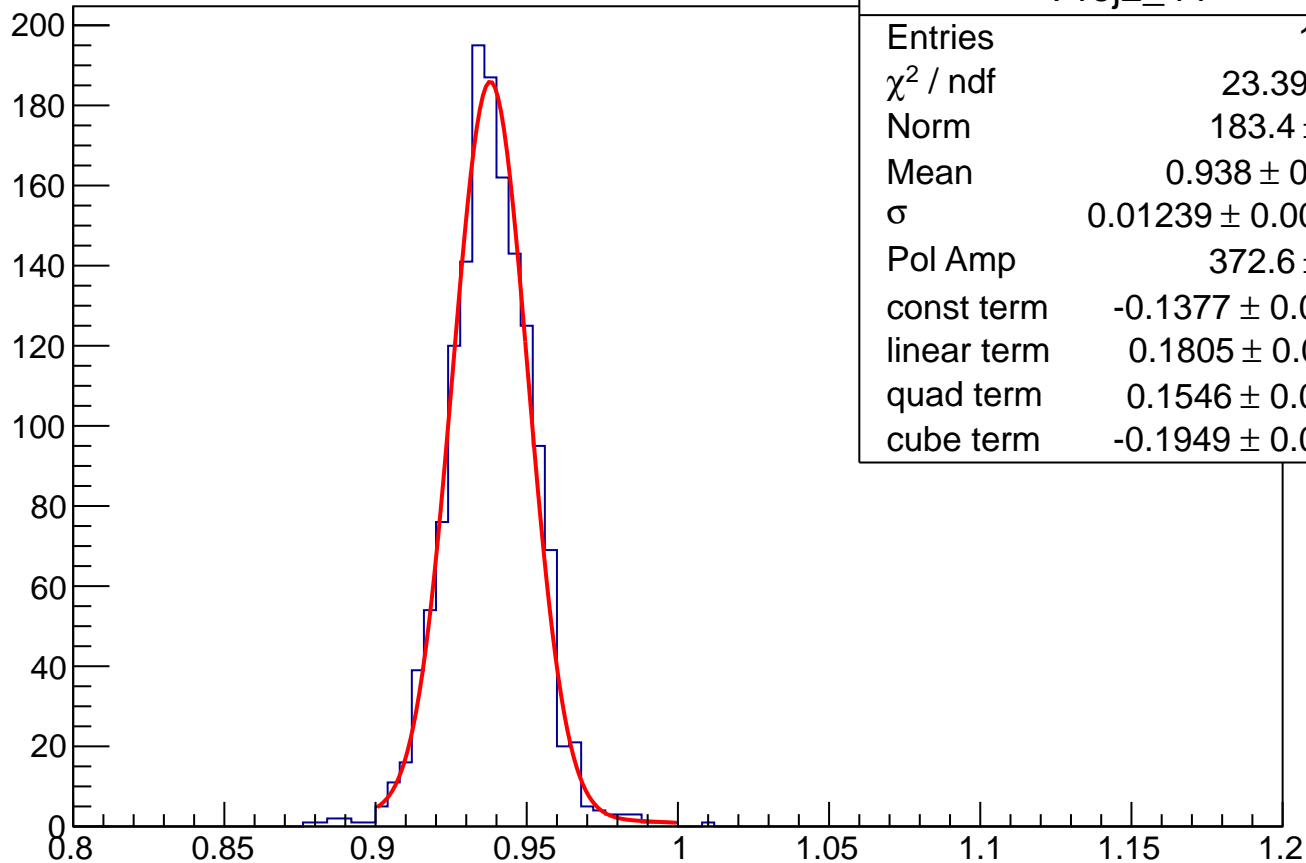
Proj2_42

Entries	852
χ^2 / ndf	17.66 / 14
Norm	103.5 ± 4.9
Mean	0.9402 ± 0.0005
σ	0.01117 ± 0.00042
Pol Amp	371.2 ± 75.1
const term	2.858 ± 0.015
linear term	-2.95 ± 0.02
quad term	-2.924 ± 0.016
cube term	3.02 ± 0.02

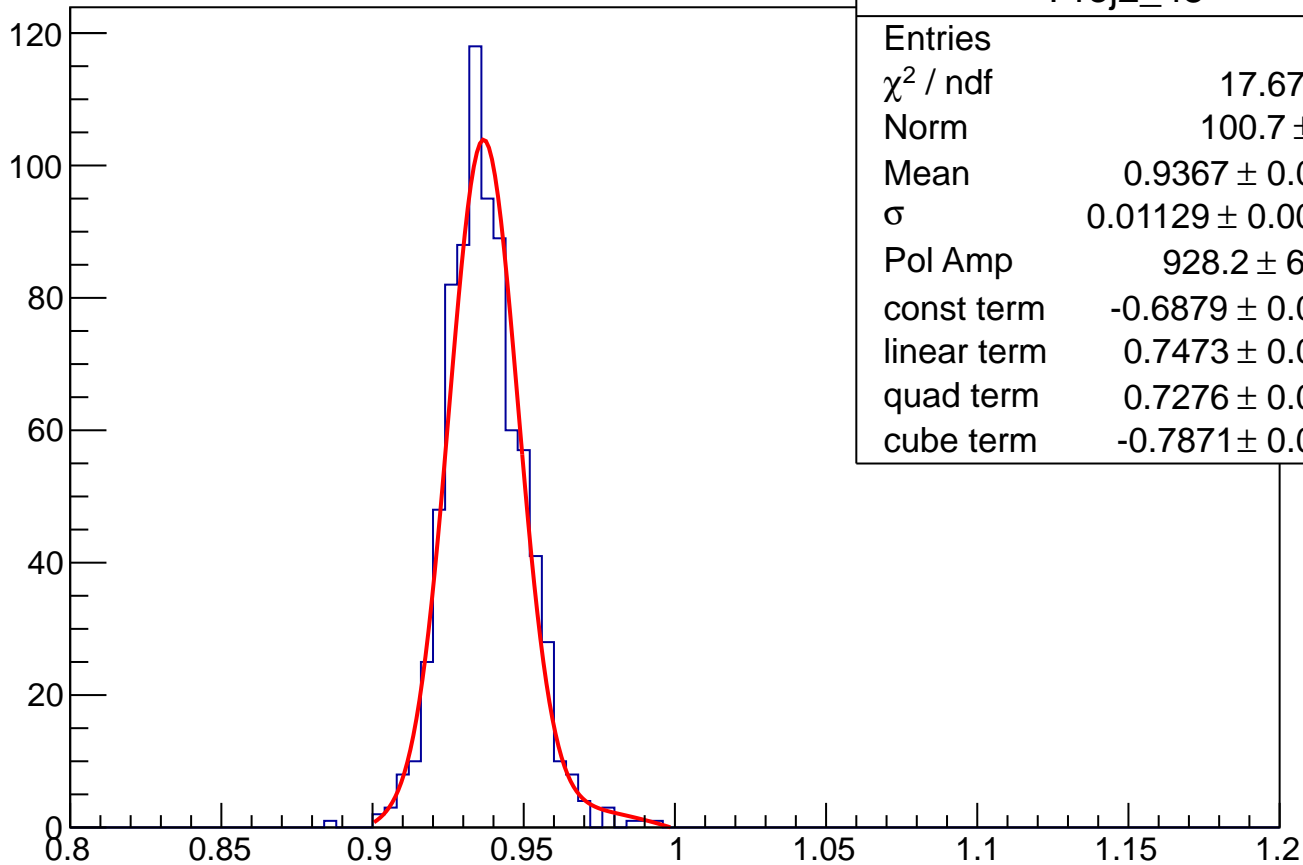
PhiThetaMassPim



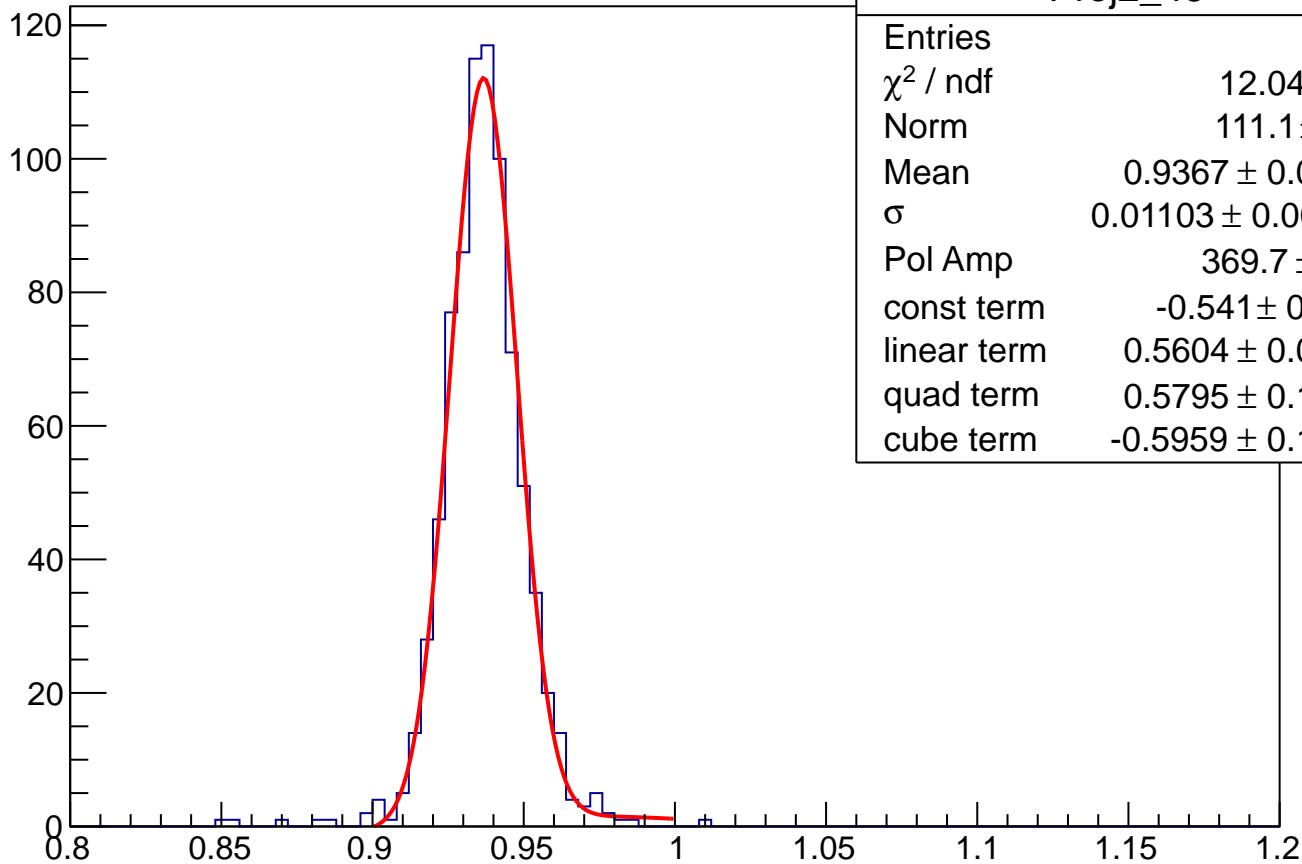
PhiThetaMassPim



PhiThetaMassPim



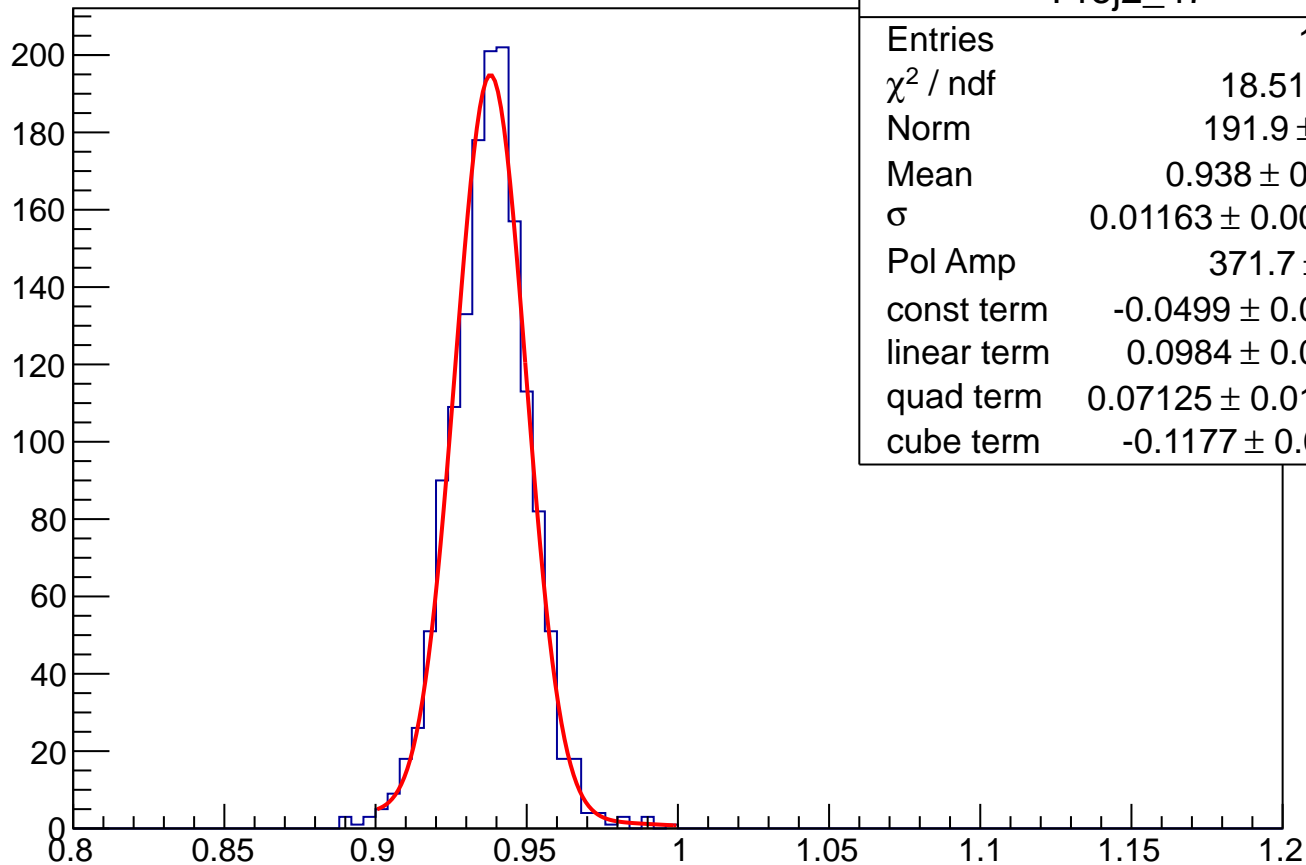
PhiThetaMassPim



Proj2_46

Entries	808
χ^2 / ndf	12.04 / 14
Norm	111.1 ± 5.1
Mean	0.9367 ± 0.0004
σ	0.01103 ± 0.00041
Pol Amp	369.7 ± 0.3
const term	-0.541 ± 0.102
linear term	0.5604 ± 0.0997
quad term	0.5795 ± 0.1053
cube term	-0.5959 ± 0.1050

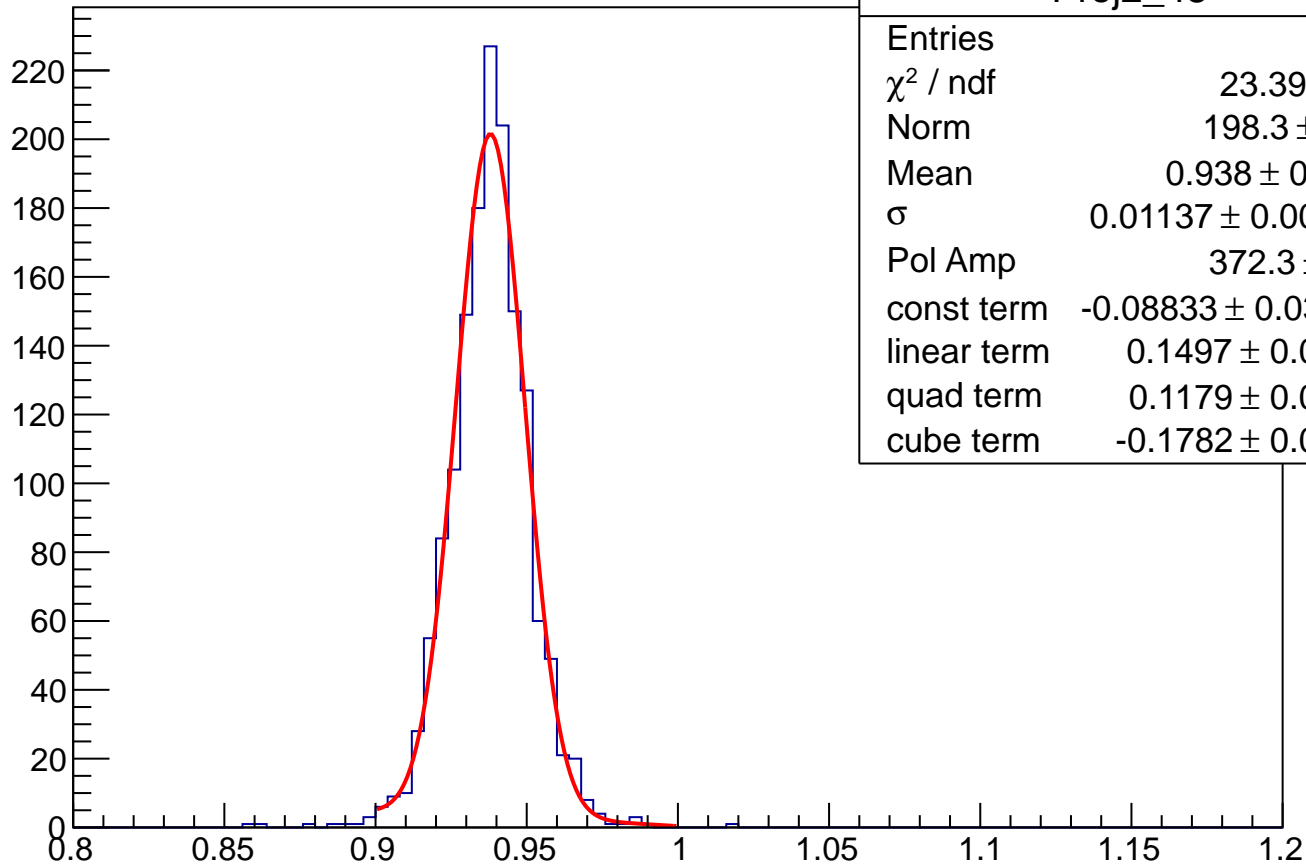
PhiThetaMassPim



Proj2_47

Entries	1484
χ^2 / ndf	18.51 / 15
Norm	191.9 ± 6.5
Mean	0.938 ± 0.000
σ	0.01163 ± 0.00033
Pol Amp	371.7 ± 0.1
const term	-0.0499 ± 0.0249
linear term	0.0984 ± 0.0094
quad term	0.07125 ± 0.01296
cube term	-0.1177 ± 0.0201

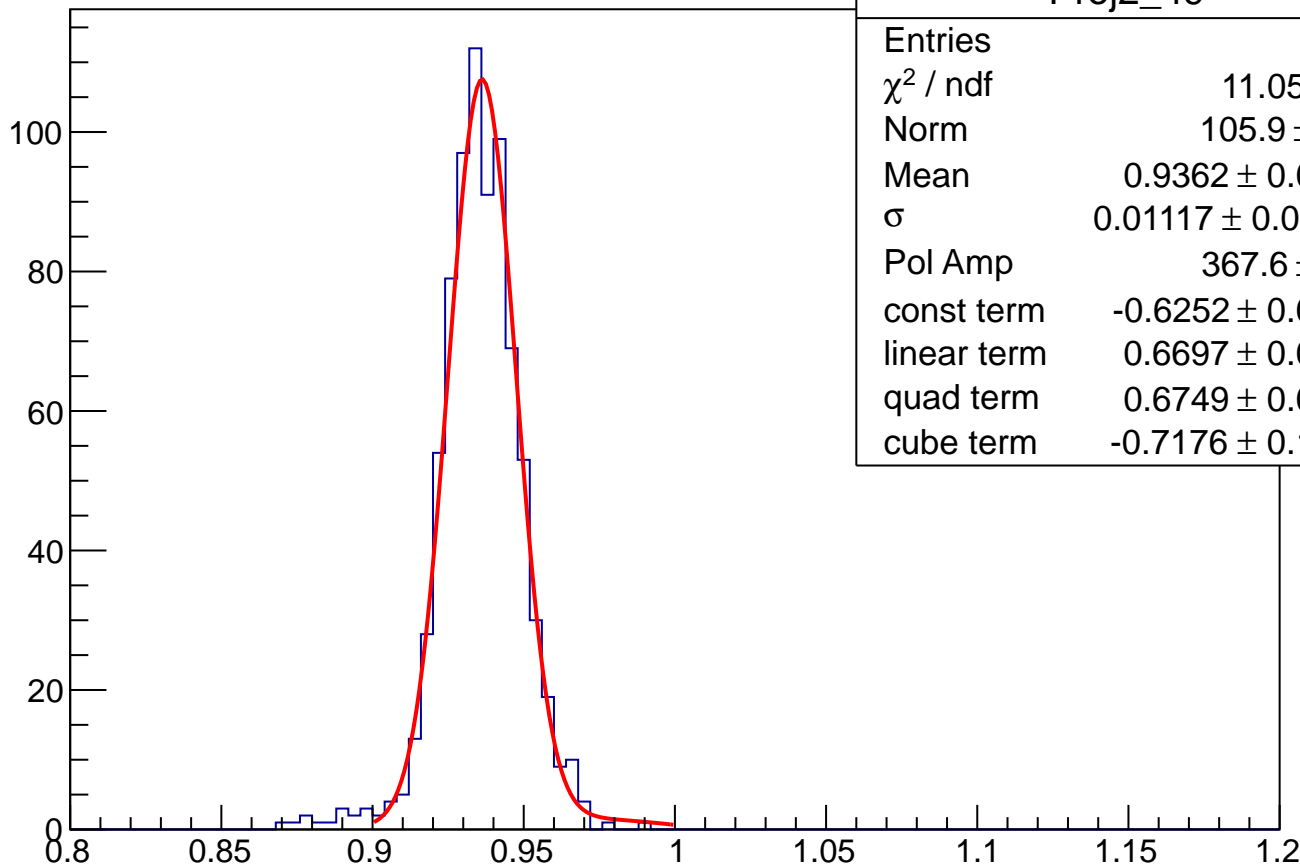
PhiThetaMassPim



Proj2_48

Entries	1511
χ^2 / ndf	23.39 / 15
Norm	198.3 ± 6.8
Mean	0.938 ± 0.000
σ	0.01137 ± 0.00033
Pol Amp	372.3 ± 0.1
const term	-0.08833 ± 0.03201
linear term	0.1497 ± 0.0127
quad term	0.1179 ± 0.0196
cube term	-0.1782 ± 0.0199

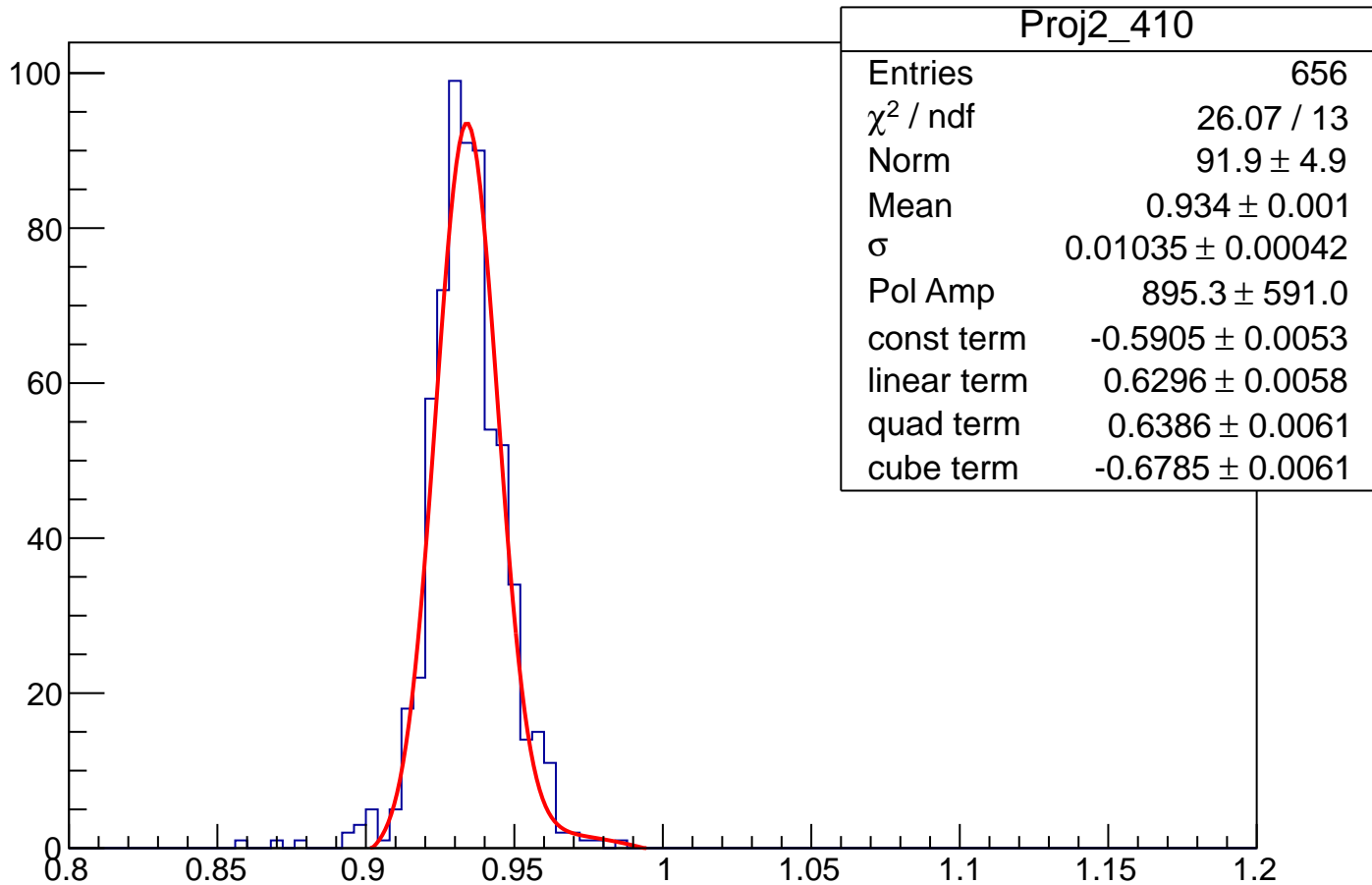
PhiThetaMassPim



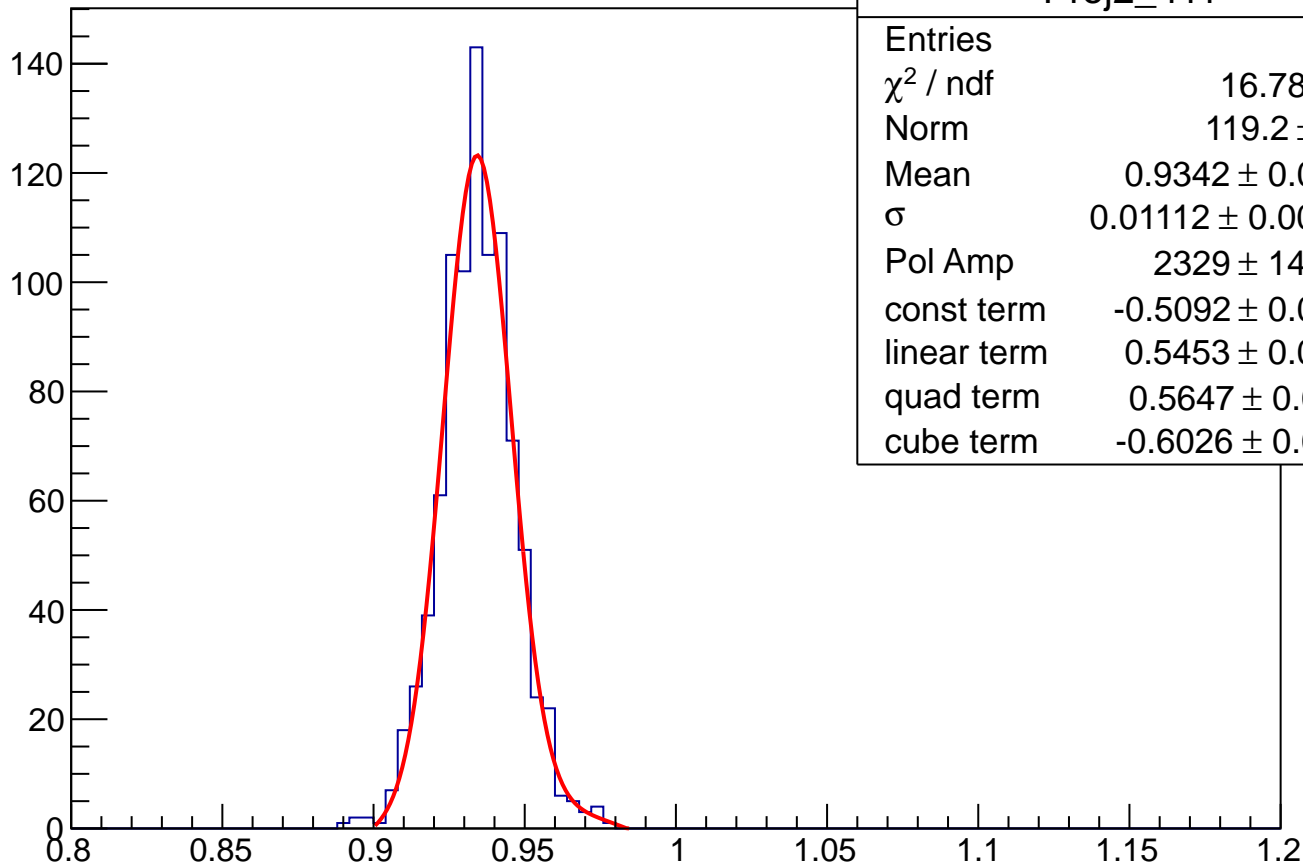
Proj2_49

Entries	794
χ^2 / ndf	11.05 / 12
Norm	105.9 ± 4.9
Mean	0.9362 ± 0.0005
σ	0.01117 ± 0.00041
Pol Amp	367.6 ± 0.4
const term	-0.6252 ± 0.0960
linear term	0.6697 ± 0.0950
quad term	0.6749 ± 0.0988
cube term	-0.7176 ± 0.1003

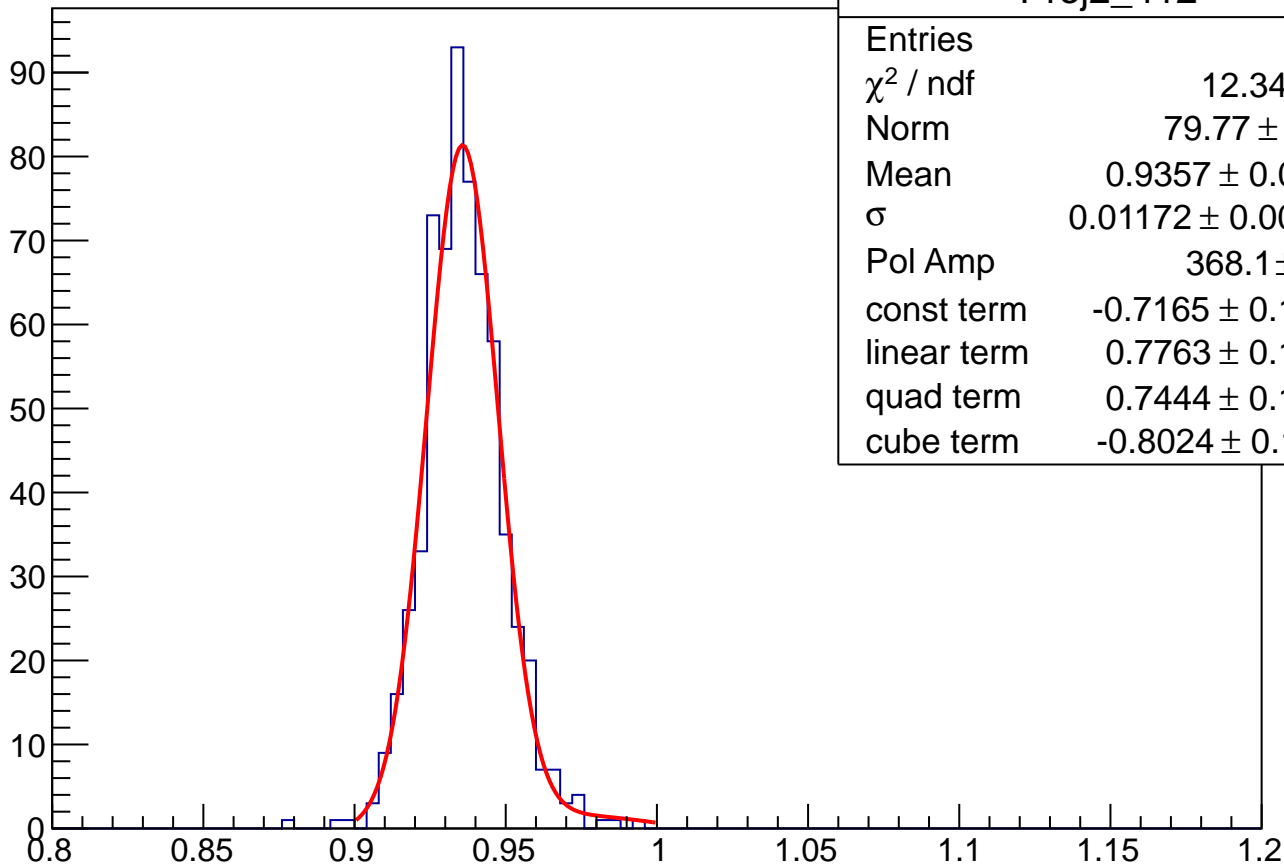
PhiThetaMassPim



PhiThetaMassPim



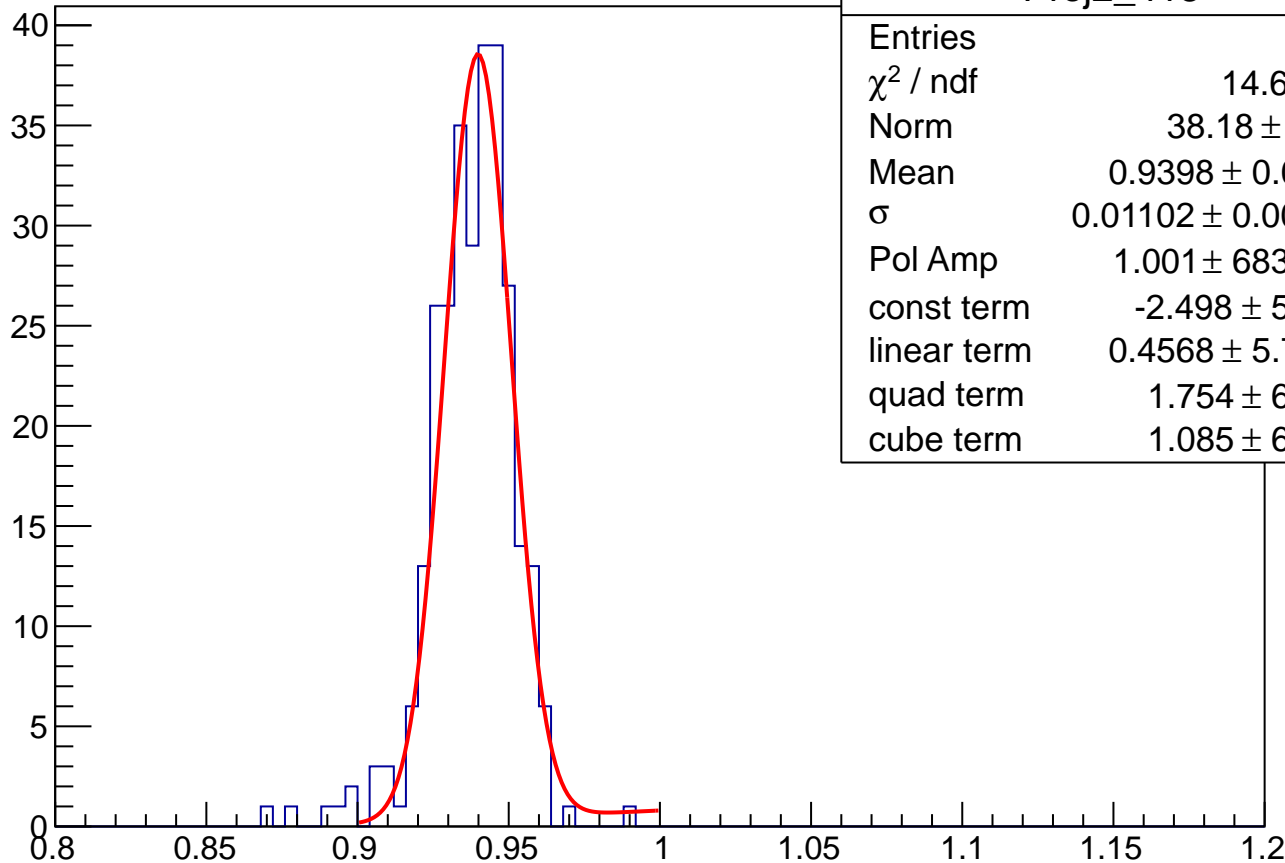
PhiThetaMassPim



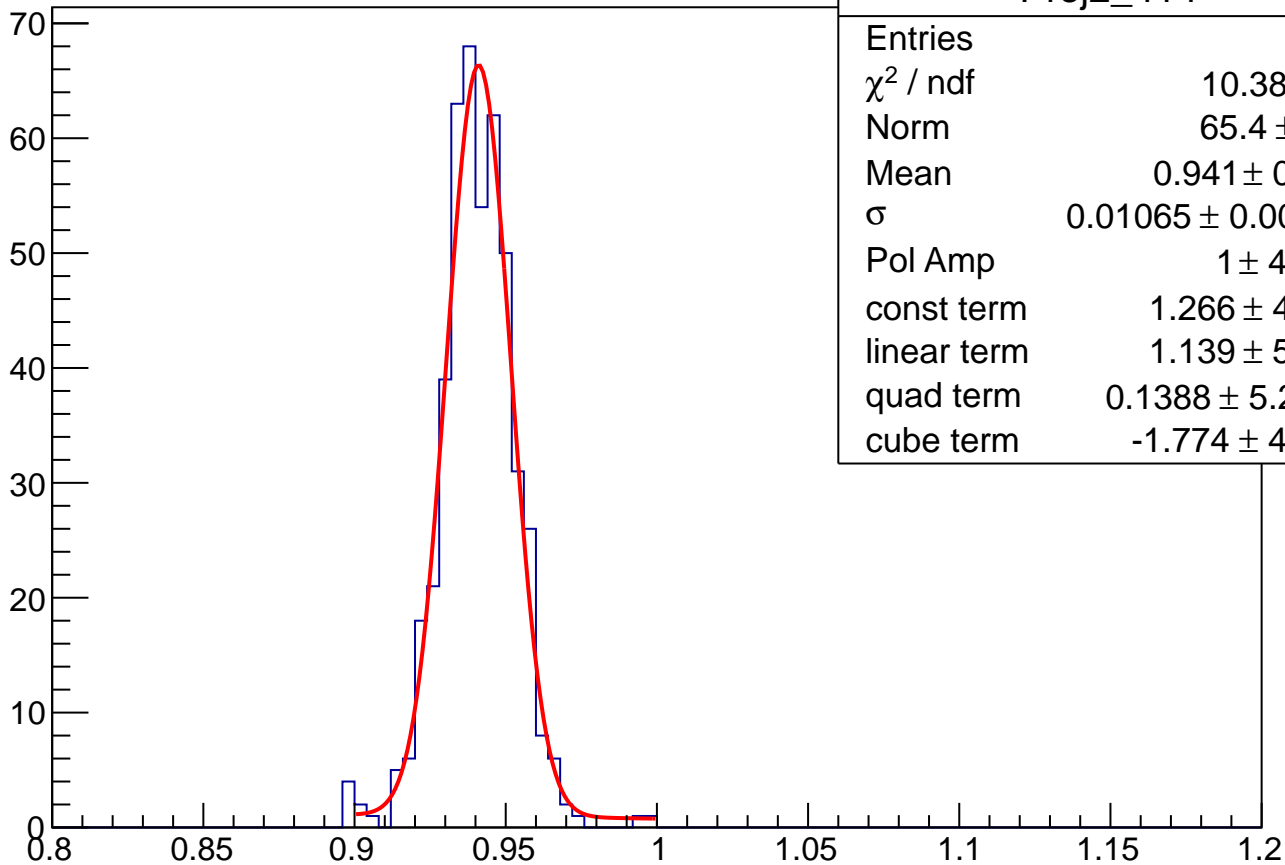
Proj2_412

Entries	629
χ^2 / ndf	12.34 / 13
Norm	79.77 ± 4.36
Mean	0.9357 ± 0.0006
σ	0.01172 ± 0.00067
Pol Amp	368.1 ± 0.5
const term	-0.7165 ± 0.1318
linear term	0.7763 ± 0.1214
quad term	0.7444 ± 0.1255
cube term	-0.8024 ± 0.1188

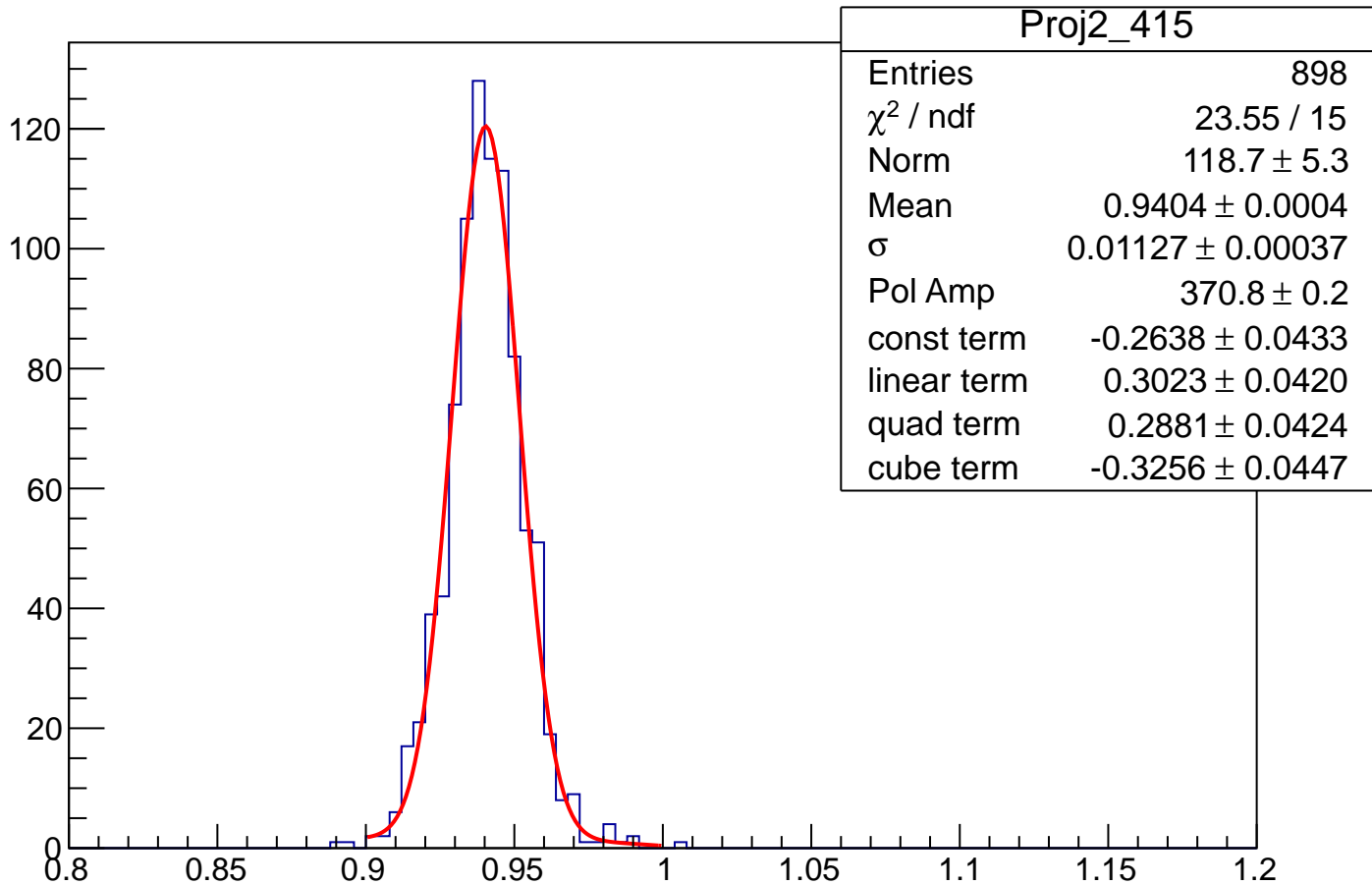
PhiThetaMassPim



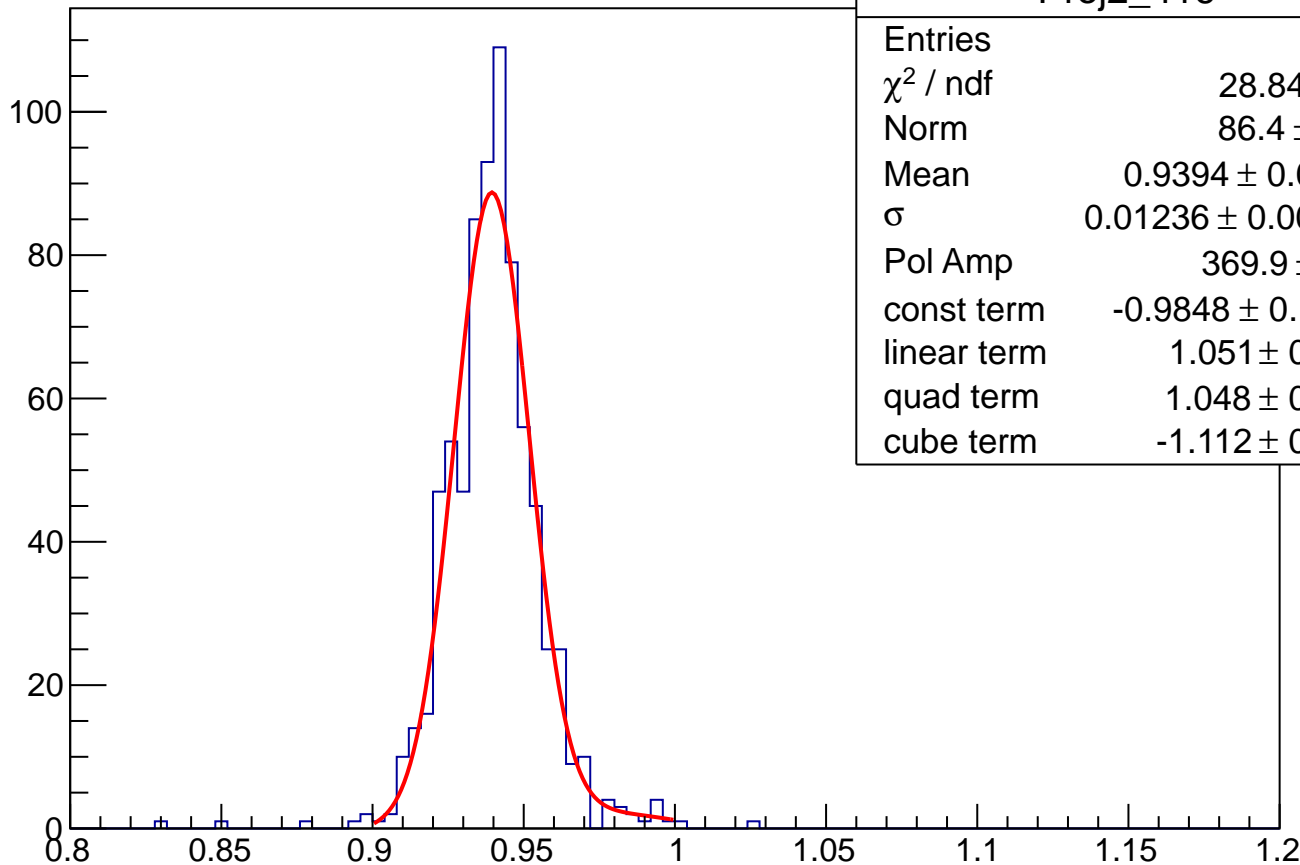
PhiThetaMassPim



PhiThetaMassPim



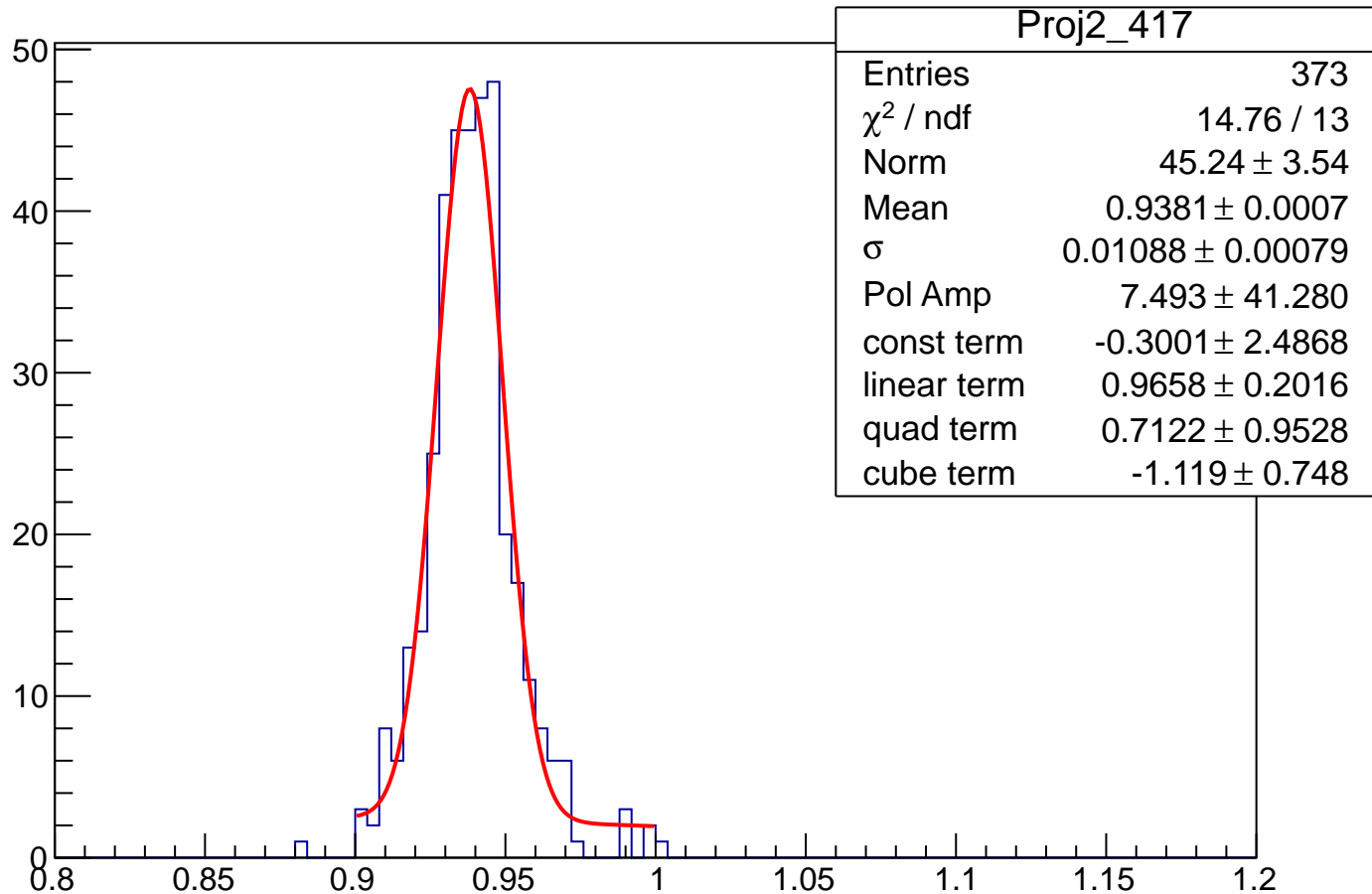
PhiThetaMassPim



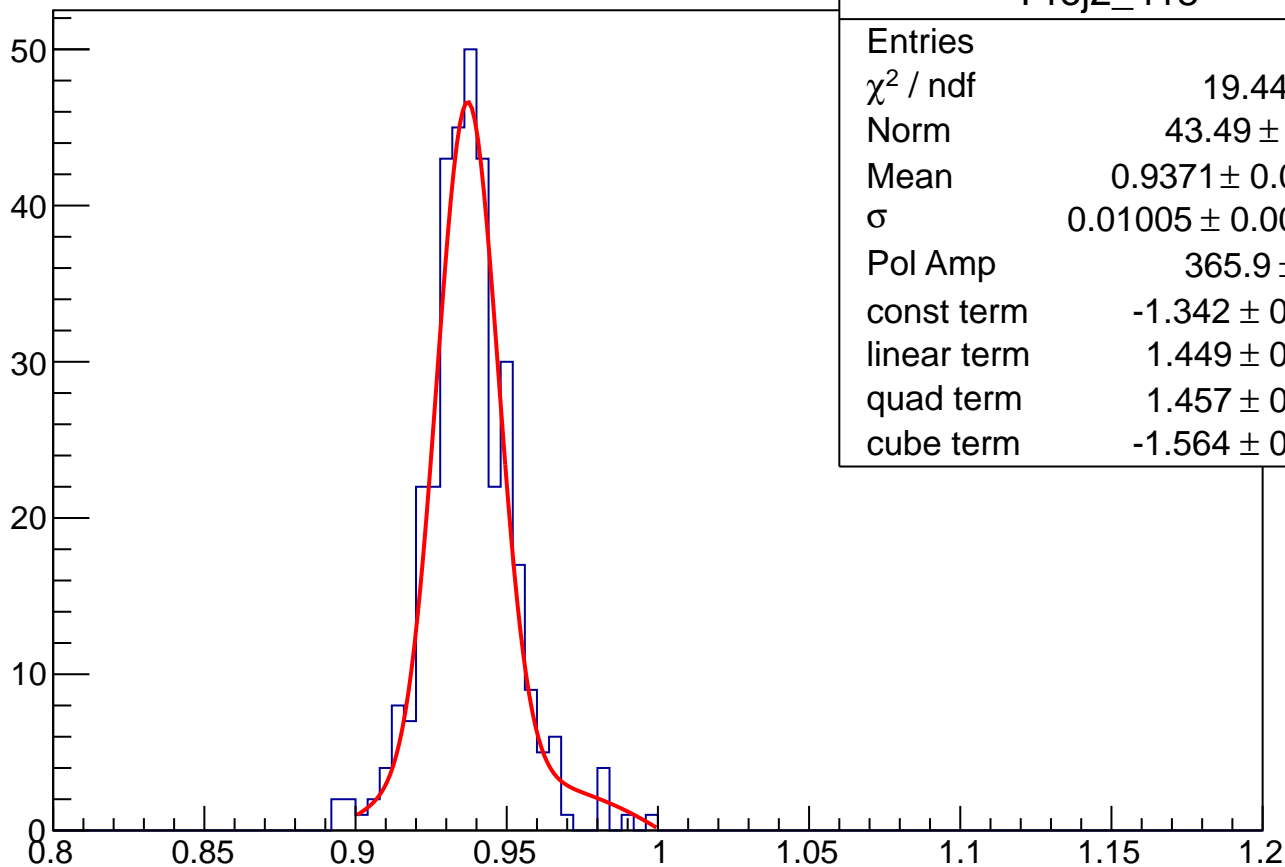
Proj2_416

Entries	750
χ^2 / ndf	28.84 / 16
Norm	86.4 ± 4.5
Mean	0.9394 ± 0.0005
σ	0.01236 ± 0.00053
Pol Amp	369.9 ± 0.3
const term	-0.9848 ± 0.1109
linear term	1.051 ± 0.112
quad term	1.048 ± 0.114
cube term	-1.112 ± 0.116

PhiThetaMassPim



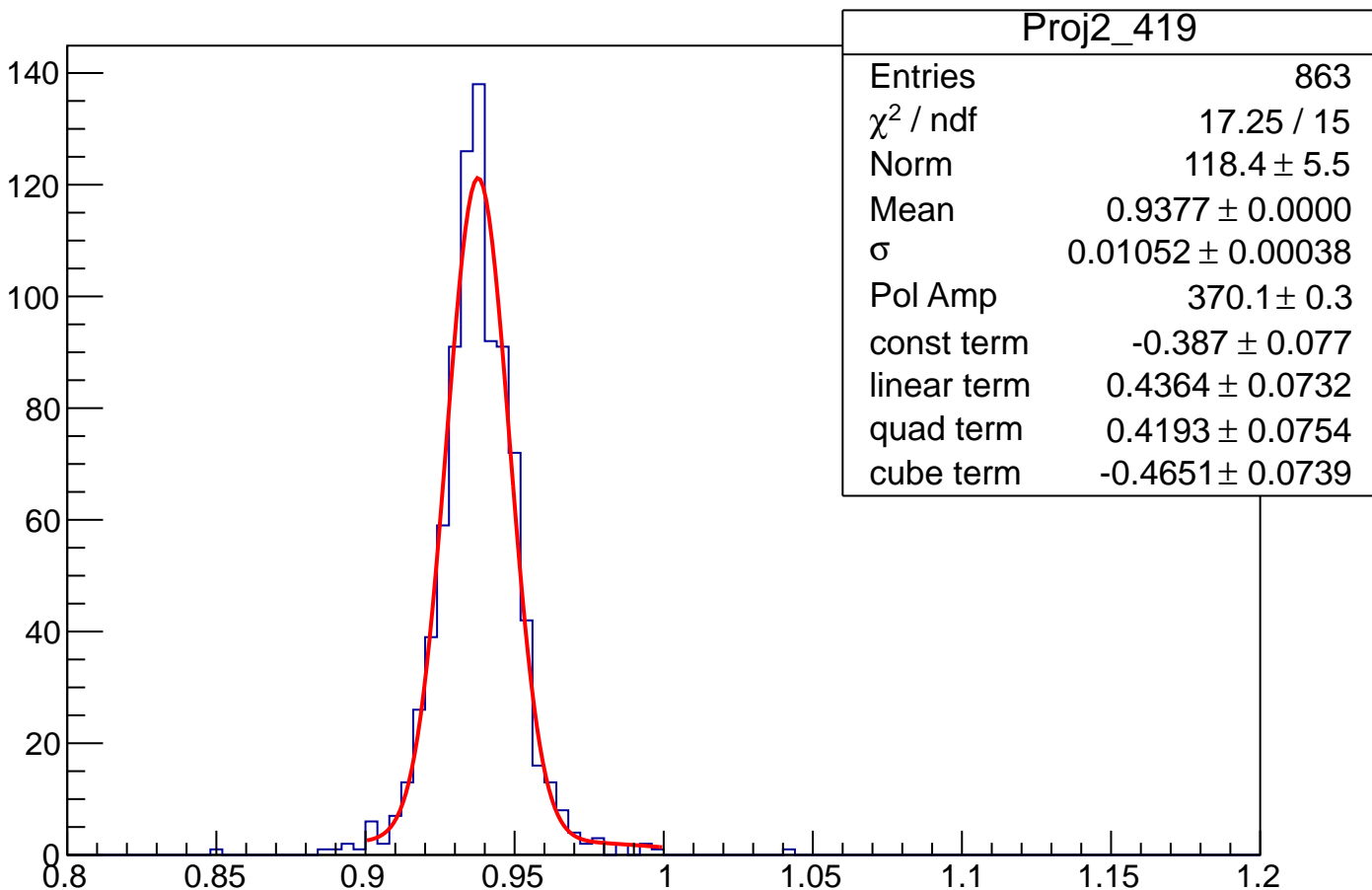
PhiThetaMassPim



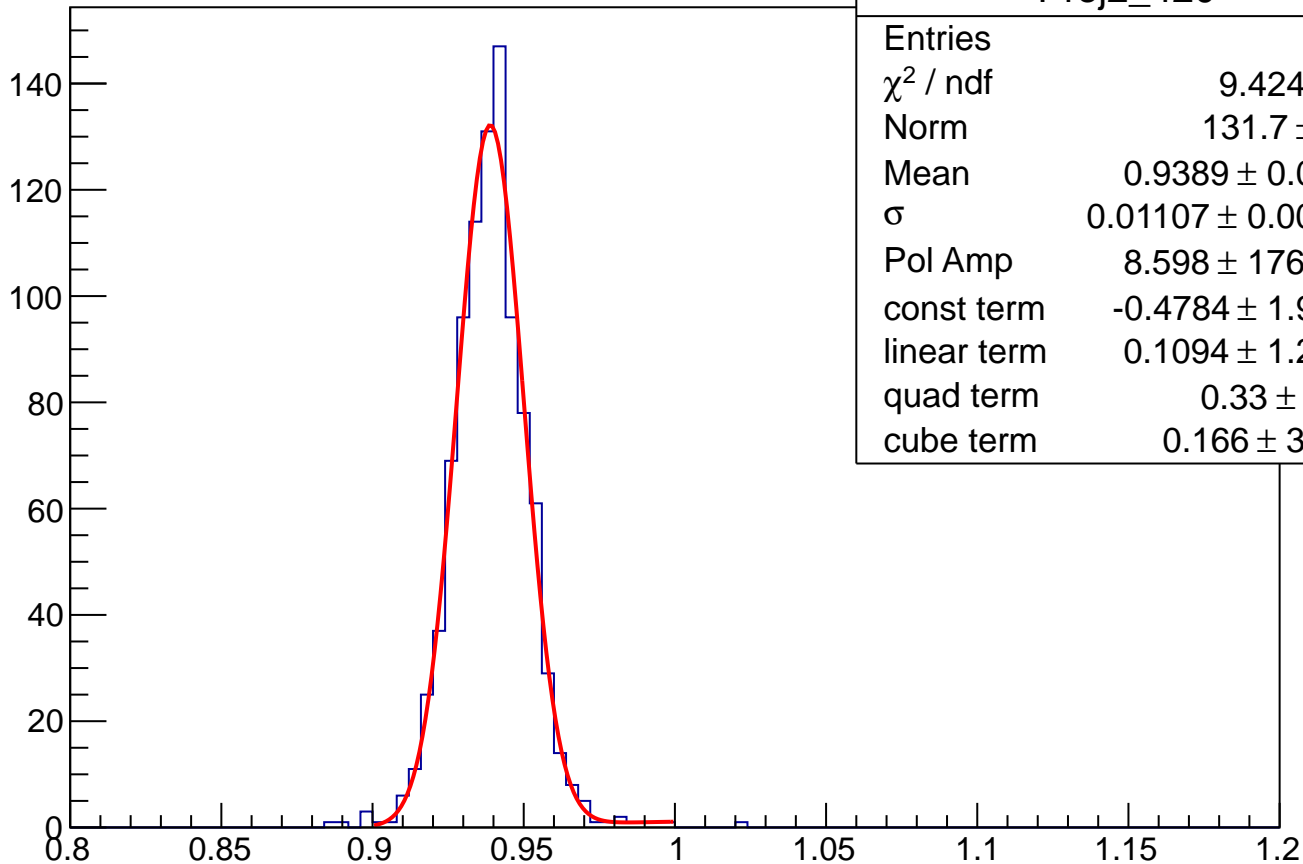
Proj2_418

Entries	347
χ^2 / ndf	19.44 / 13
Norm	43.49 ± 3.64
Mean	0.9371 ± 0.0008
σ	0.01005 ± 0.00053
Pol Amp	365.9 ± 0.7
const term	-1.342 ± 0.315
linear term	1.449 ± 0.334
quad term	1.457 ± 0.339
cube term	-1.564 ± 0.359

PhiThetaMassPim



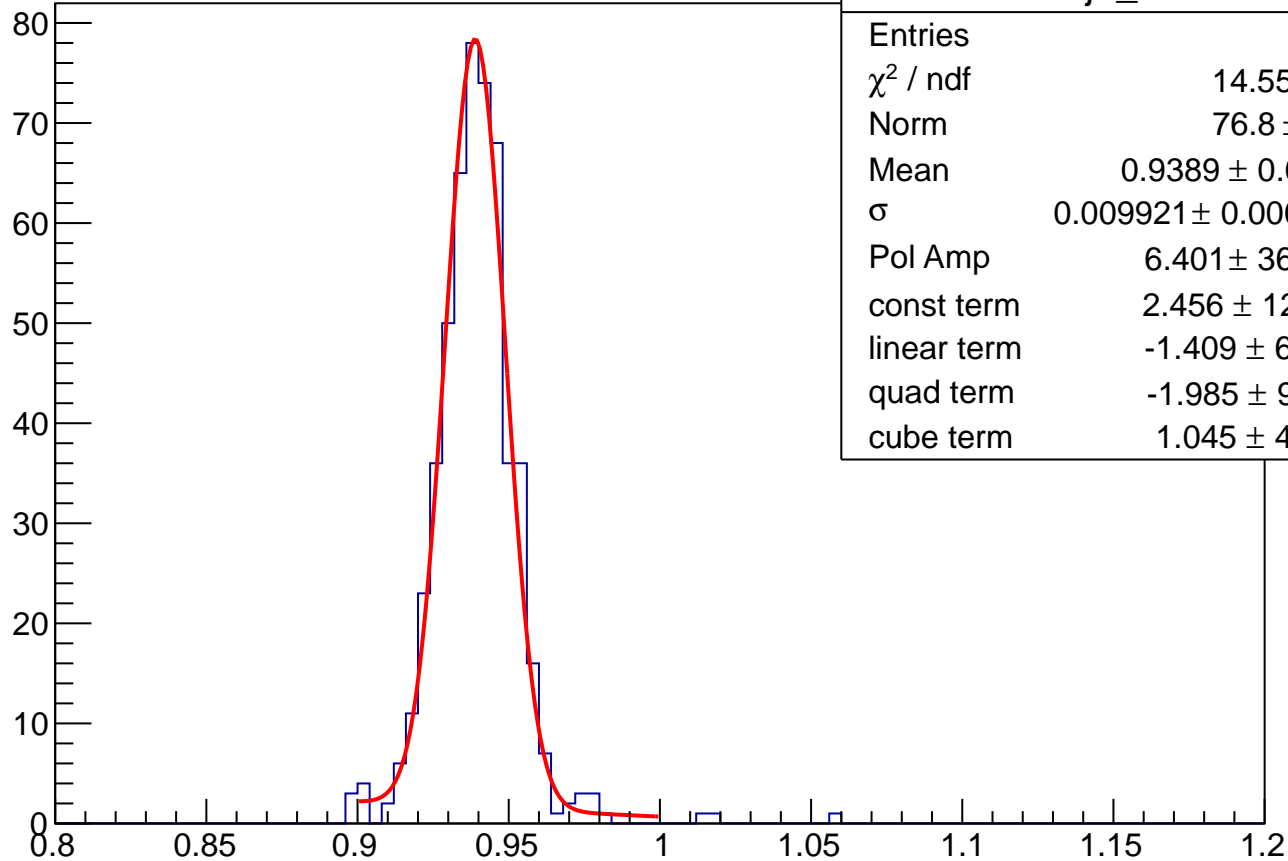
PhiThetaMassPim



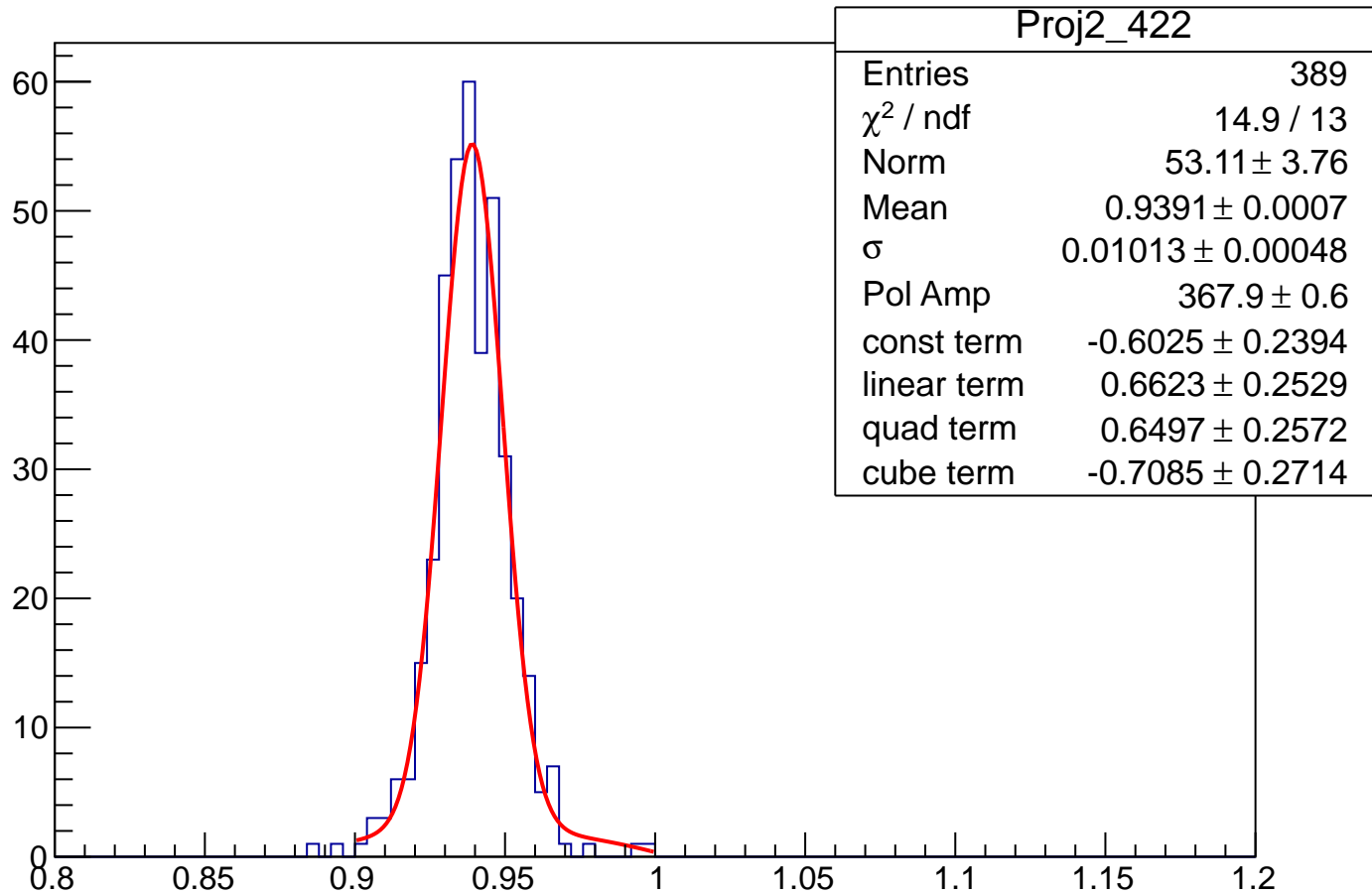
Proj2_420

Entries	943
χ^2 / ndf	9.424 / 17
Norm	131.7 ± 5.6
Mean	0.9389 ± 0.0004
σ	0.01107 ± 0.00032
Pol Amp	8.598 ± 176.176
const term	-0.4784 ± 1.9259
linear term	0.1094 ± 1.2274
quad term	0.33 ± 0.60
cube term	0.166 ± 3.590

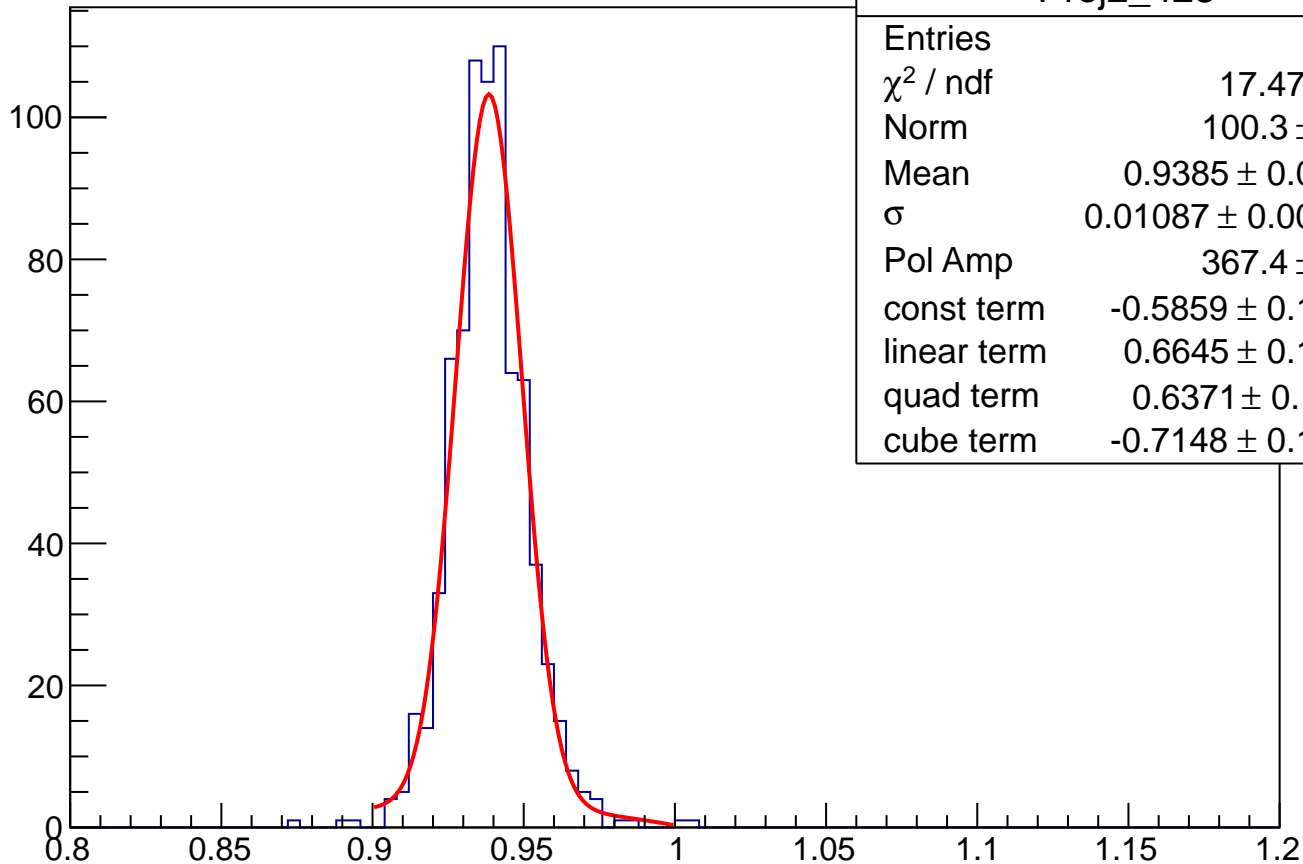
PhiThetaMassPim



PhiThetaMassPim



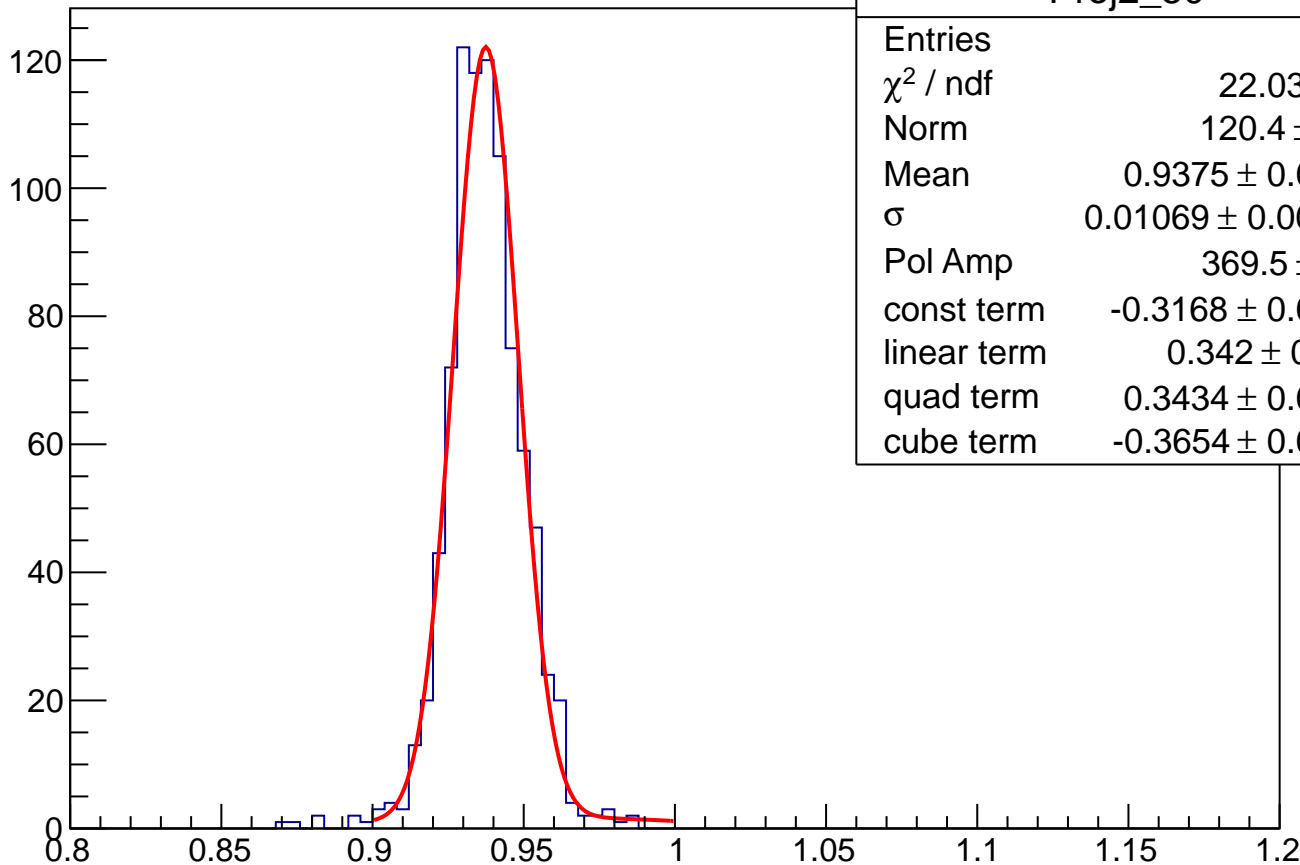
PhiThetaMassPim



Proj2_423

Entries	757
χ^2 / ndf	17.47 / 12
Norm	100.3 ± 5.2
Mean	0.9385 ± 0.0005
σ	0.01087 ± 0.00049
Pol Amp	367.4 ± 0.4
const term	-0.5859 ± 0.1094
linear term	0.6645 ± 0.1046
quad term	0.6371 ± 0.1081
cube term	-0.7148 ± 0.1070

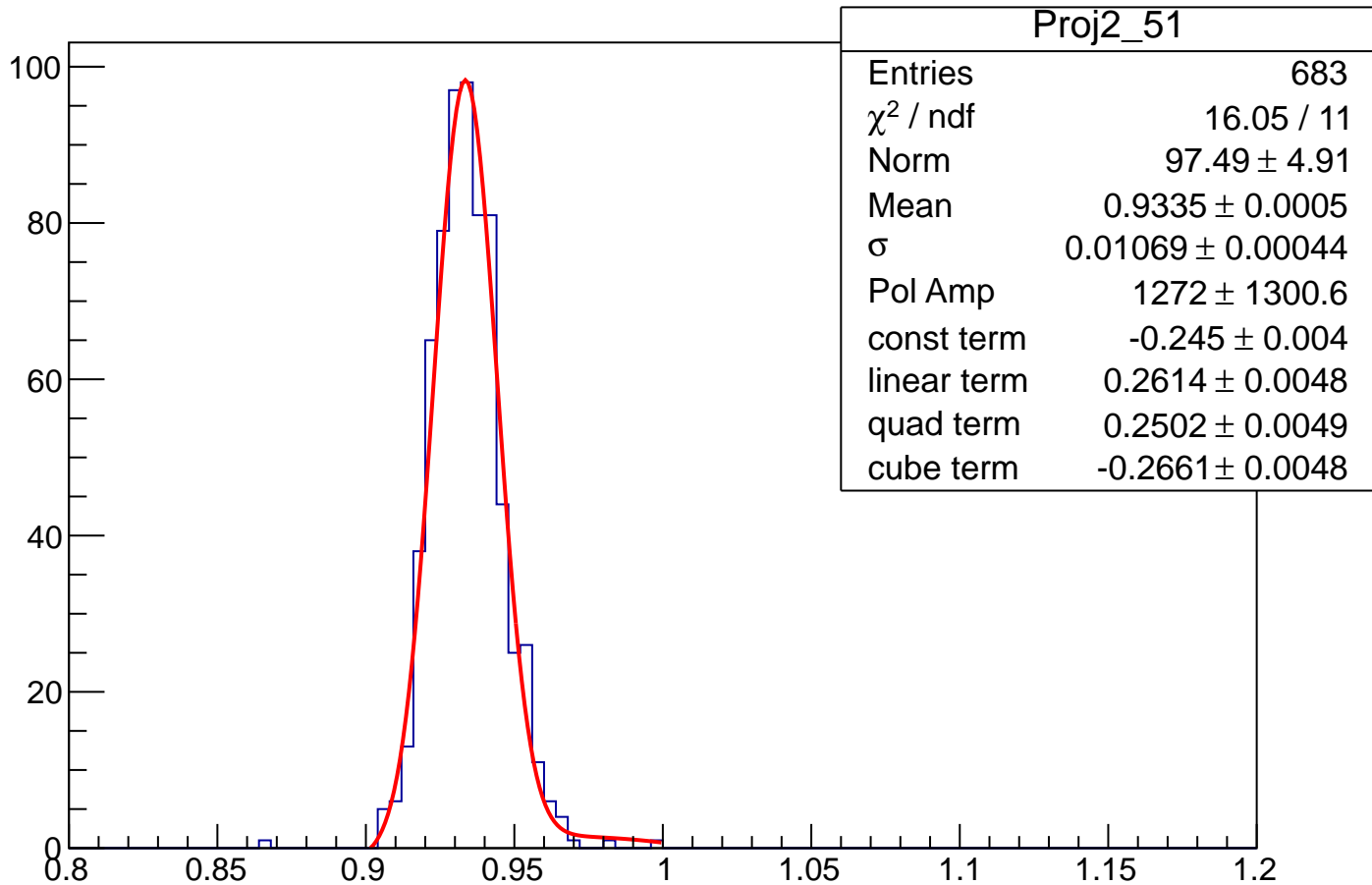
PhiThetaMassPim



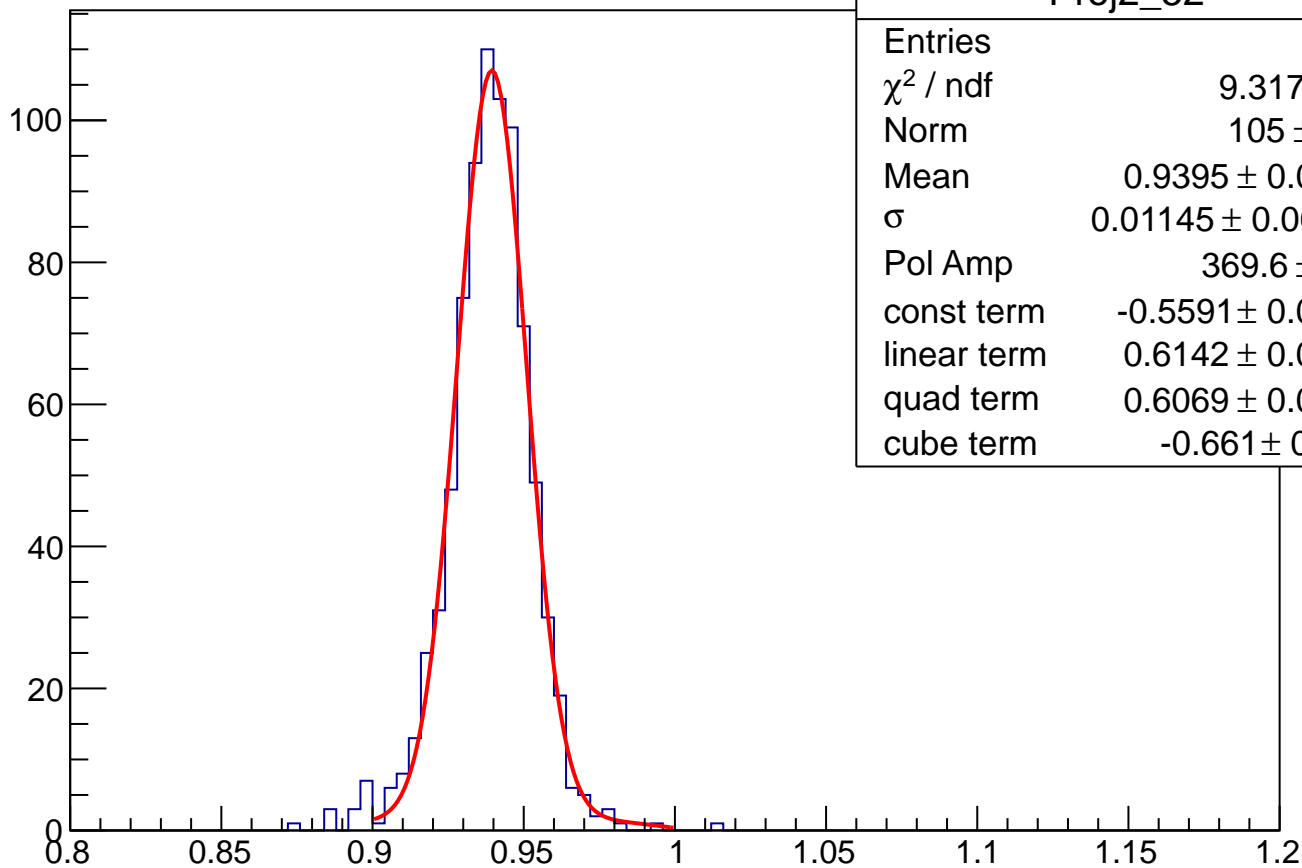
Proj2_50

Entries	869
χ^2 / ndf	22.03 / 14
Norm	120.4 ± 5.5
Mean	0.9375 ± 0.0004
σ	0.01069 ± 0.00037
Pol Amp	369.5 ± 0.3
const term	-0.3168 ± 0.0654
linear term	0.342 ± 0.061
quad term	0.3434 ± 0.0649
cube term	-0.3654 ± 0.0642

PhiThetaMassPim



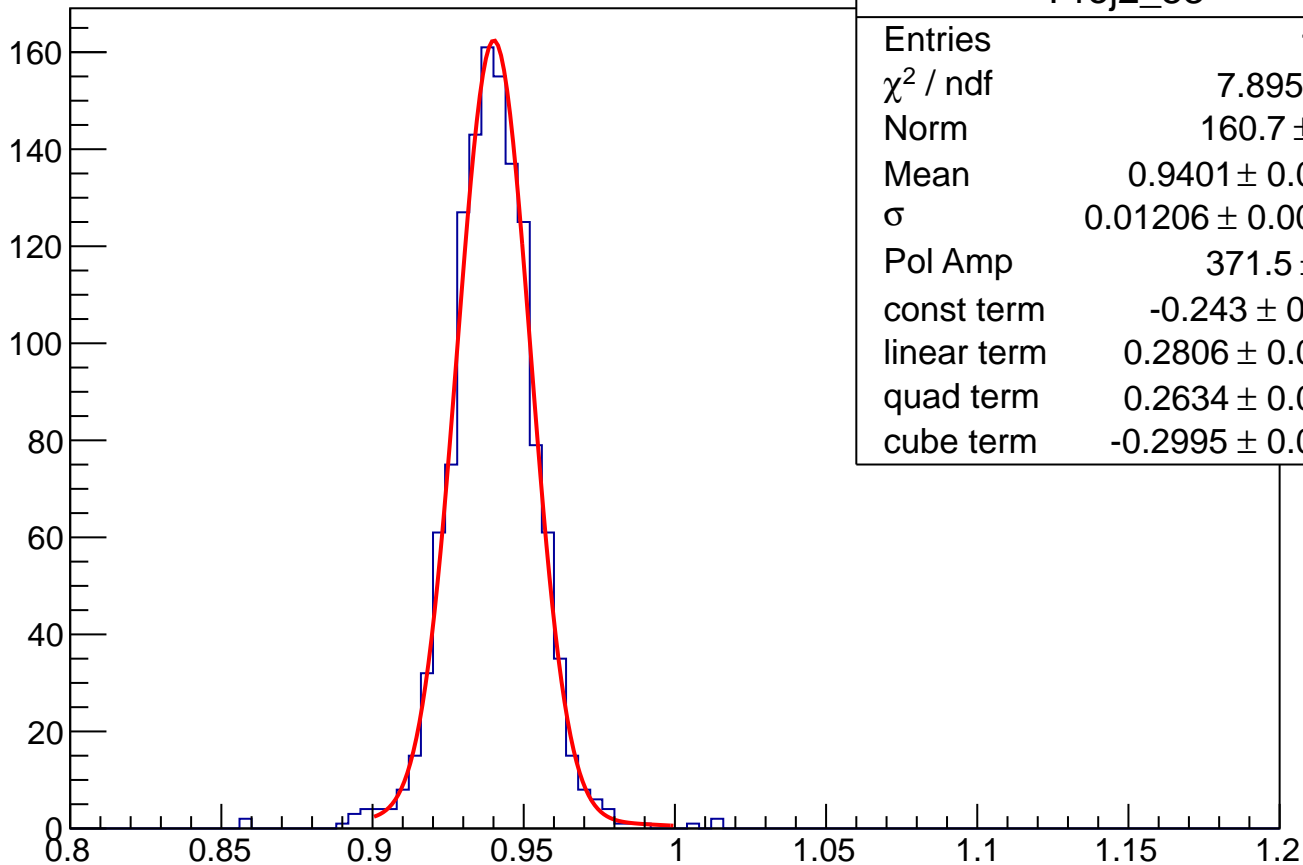
PhiThetaMassPim



Proj2_52

Entries	815
χ^2 / ndf	9.317 / 14
Norm	105 ± 4.9
Mean	0.9395 ± 0.0005
σ	0.01145 ± 0.00041
Pol Amp	369.6 ± 0.3
const term	-0.5591 ± 0.0763
linear term	0.6142 ± 0.0772
quad term	0.6069 ± 0.0785
cube term	-0.661 ± 0.081

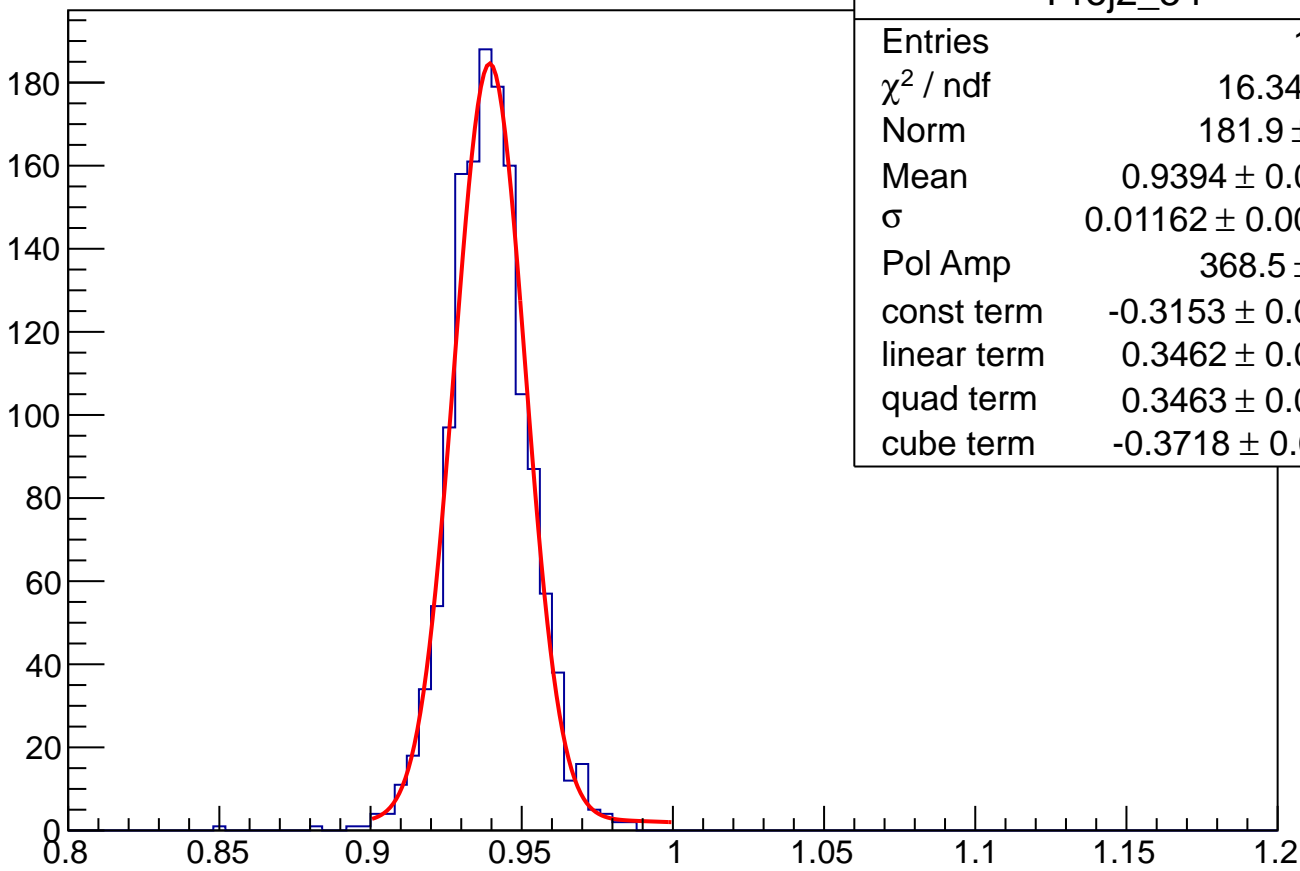
PhiThetaMassPim



Proj2_53

Entries	1271
χ^2 / ndf	7.895 / 15
Norm	160.7 ± 5.8
Mean	0.9401 ± 0.0004
σ	0.01206 ± 0.00034
Pol Amp	371.5 ± 0.1
const term	-0.243 ± 0.035
linear term	0.2806 ± 0.0233
quad term	0.2634 ± 0.0275
cube term	-0.2995 ± 0.0246

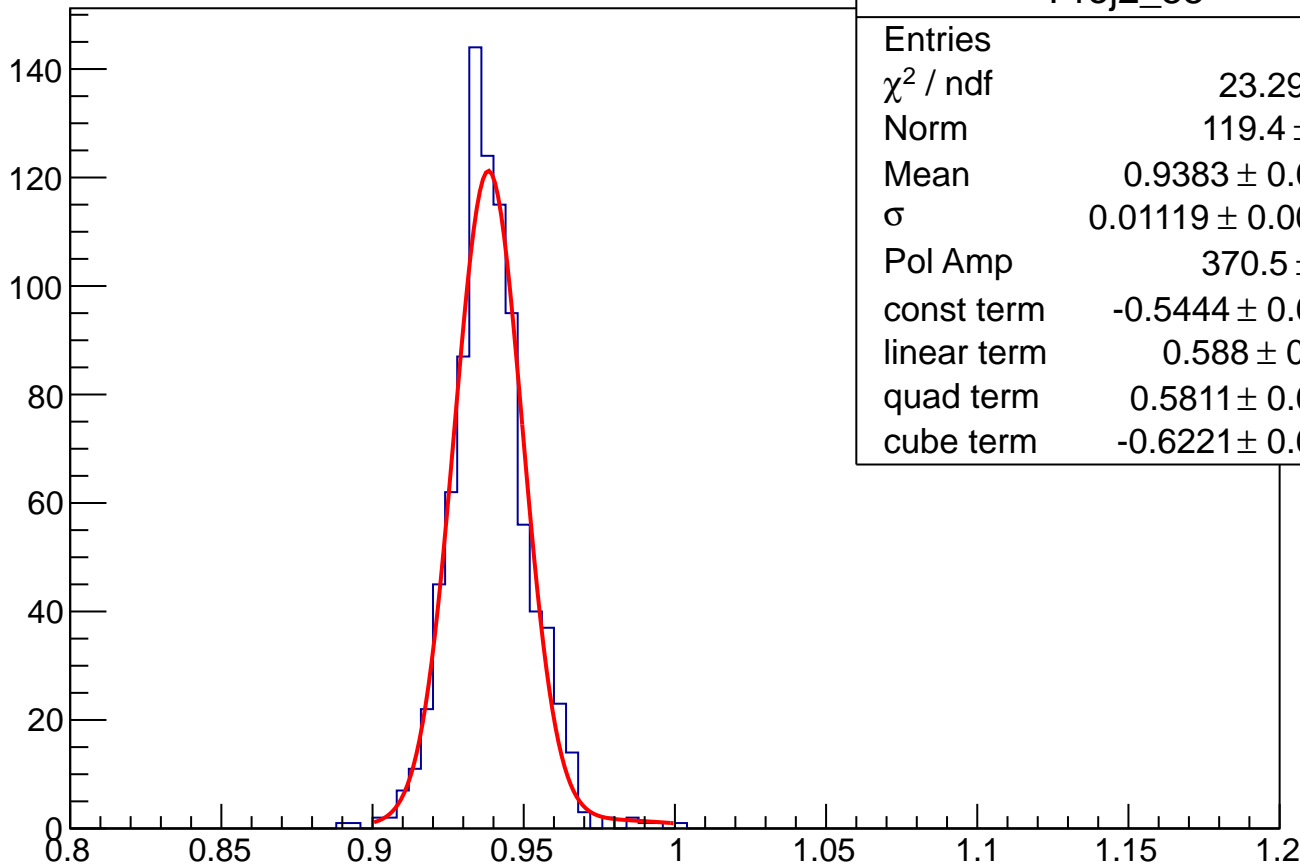
PhiThetaMassPim



Proj2_54

Entries	1400
χ^2 / ndf	16.34 / 14
Norm	181.9 ± 6.5
Mean	0.9394 ± 0.0004
σ	0.01162 ± 0.00033
Pol Amp	368.5 ± 0.2
const term	-0.3153 ± 0.0425
linear term	0.3462 ± 0.0336
quad term	0.3463 ± 0.0377
cube term	-0.3718 ± 0.0371

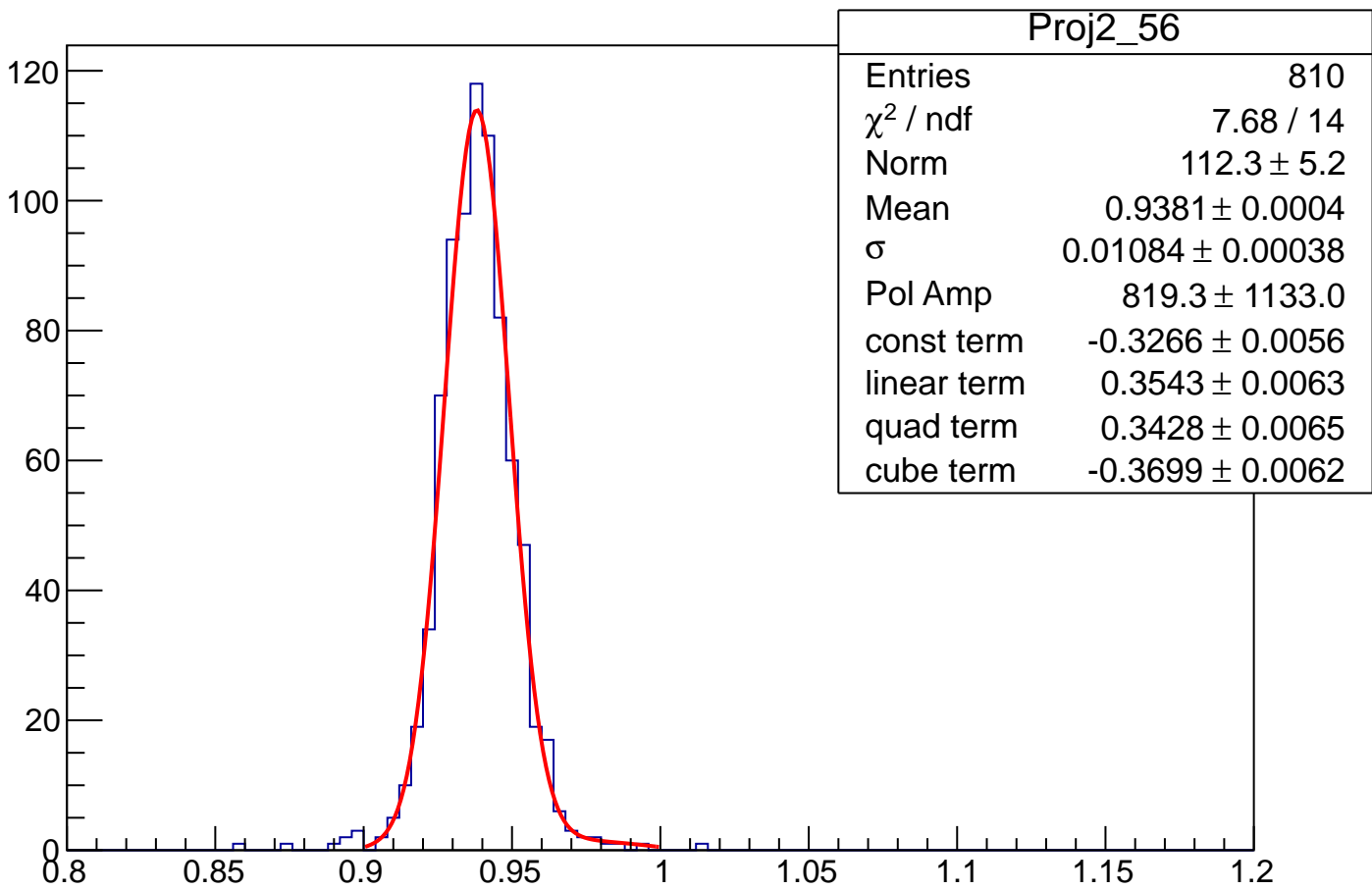
PhiThetaMassPim



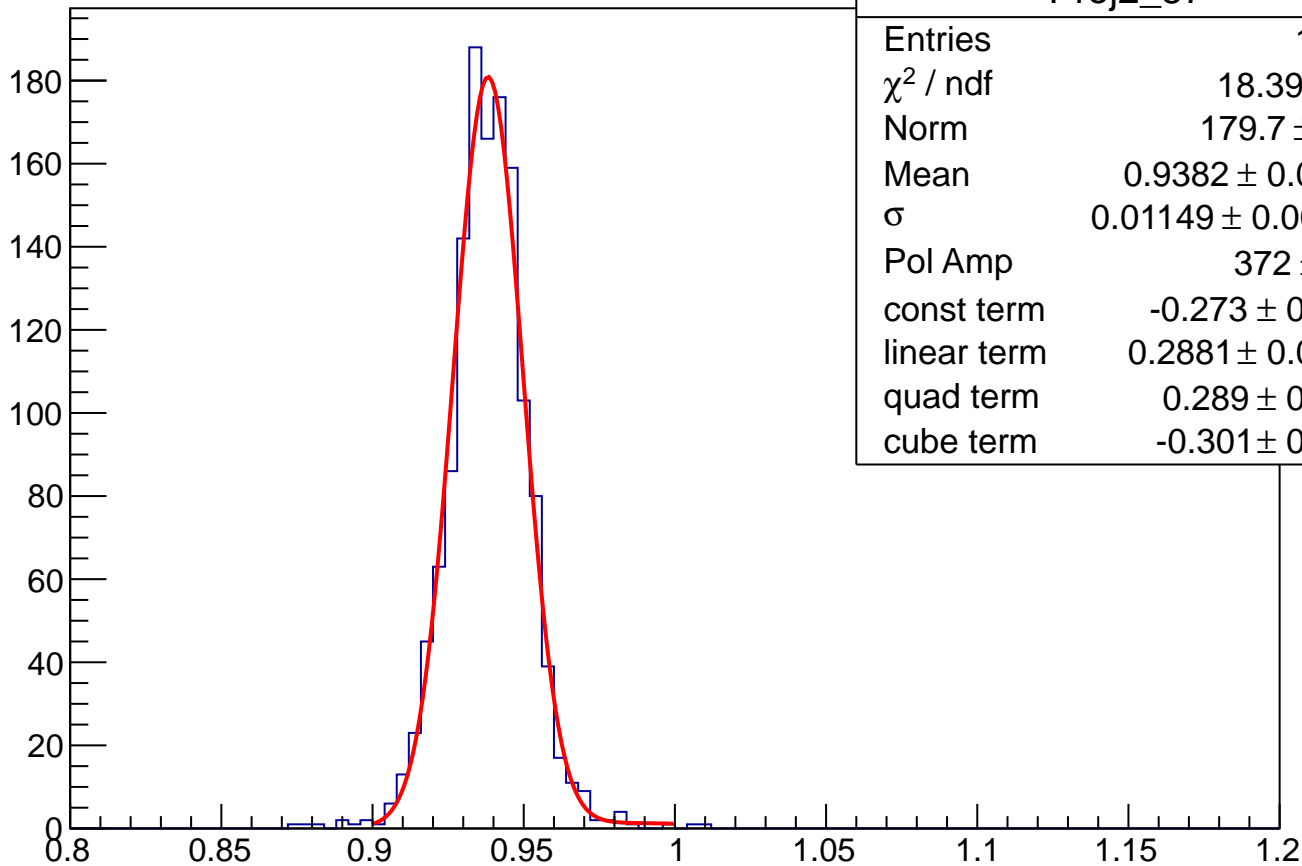
Proj2_55

Entries	898
χ^2 / ndf	23.29 / 14
Norm	119.4 ± 5.5
Mean	0.9383 ± 0.0004
σ	0.01119 ± 0.00040
Pol Amp	370.5 ± 0.2
const term	-0.5444 ± 0.0826
linear term	0.588 ± 0.082
quad term	0.5811 ± 0.0840
cube term	-0.6221 ± 0.0855

PhiThetaMassPim



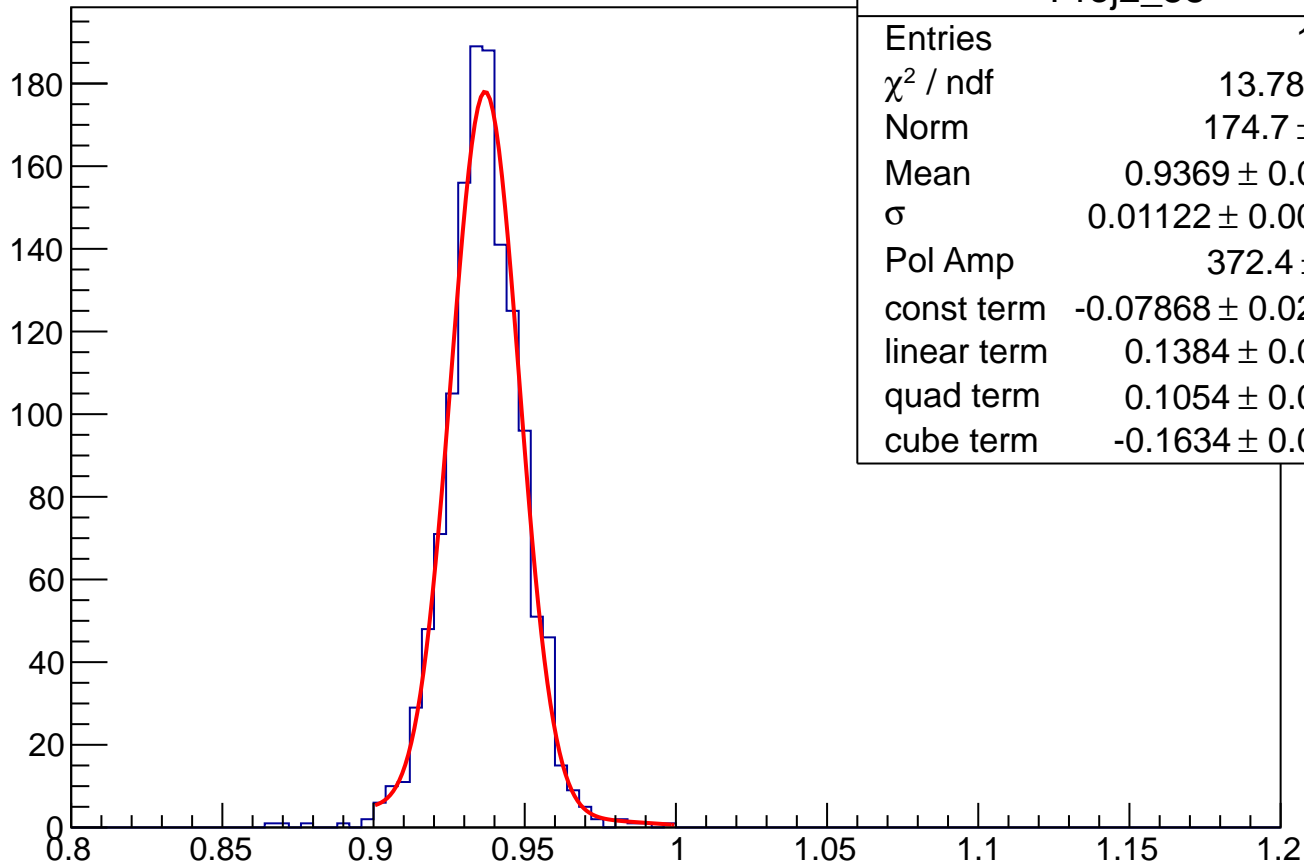
PhiThetaMassPim



Proj2_57

Entries	1347
χ^2 / ndf	18.39 / 15
Norm	179.7 ± 6.5
Mean	0.9382 ± 0.0003
σ	0.01149 ± 0.00031
Pol Amp	372 ± 0.1
const term	-0.273 ± 0.037
linear term	0.2881 ± 0.0317
quad term	0.289 ± 0.034
cube term	-0.301 ± 0.032

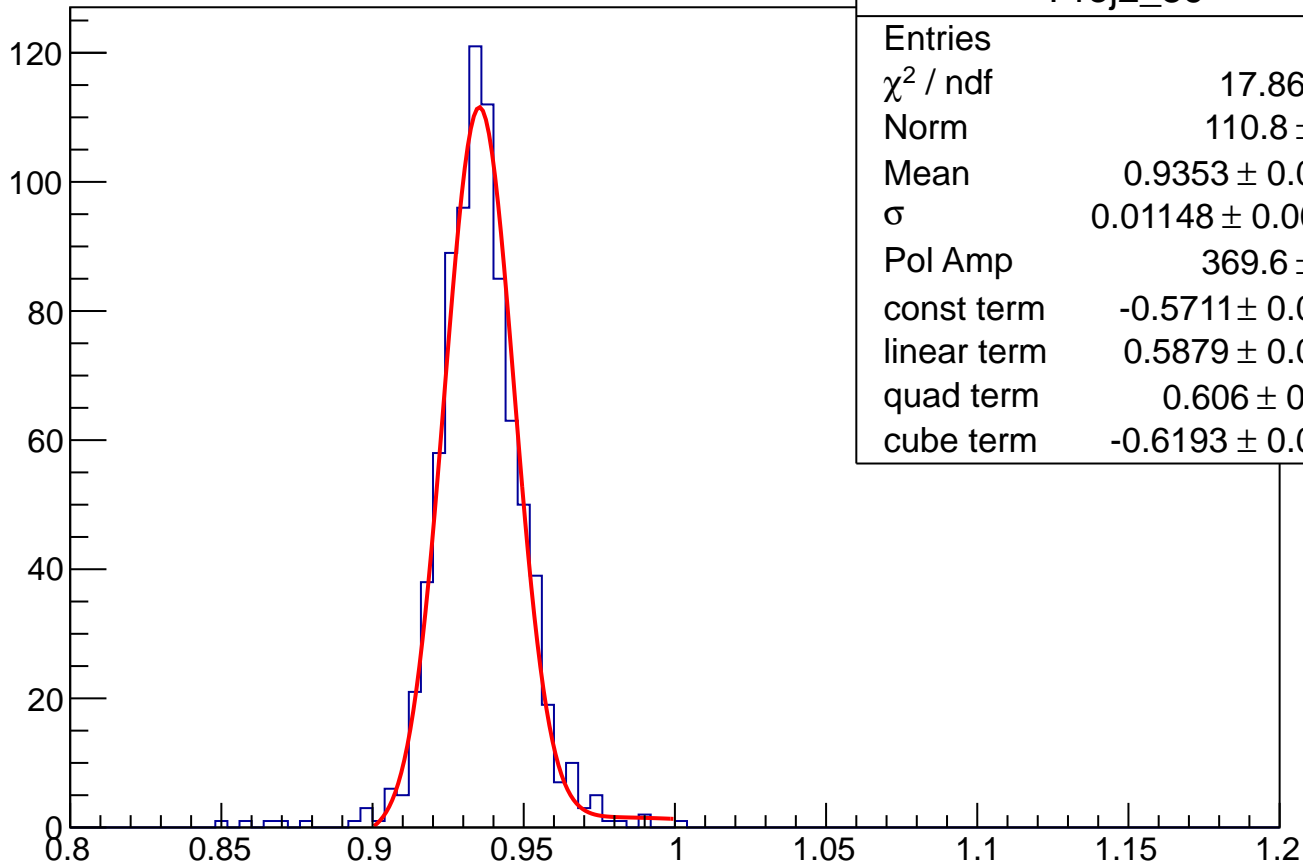
PhiThetaMassPim



Proj2_58

Entries	1314
χ^2 / ndf	13.78 / 15
Norm	174.7 ± 6.4
Mean	0.9369 ± 0.0004
σ	0.01122 ± 0.00035
Pol Amp	372.4 ± 0.1
const term	-0.07868 ± 0.02952
linear term	0.1384 ± 0.0142
quad term	0.1054 ± 0.0184
cube term	-0.1634 ± 0.0216

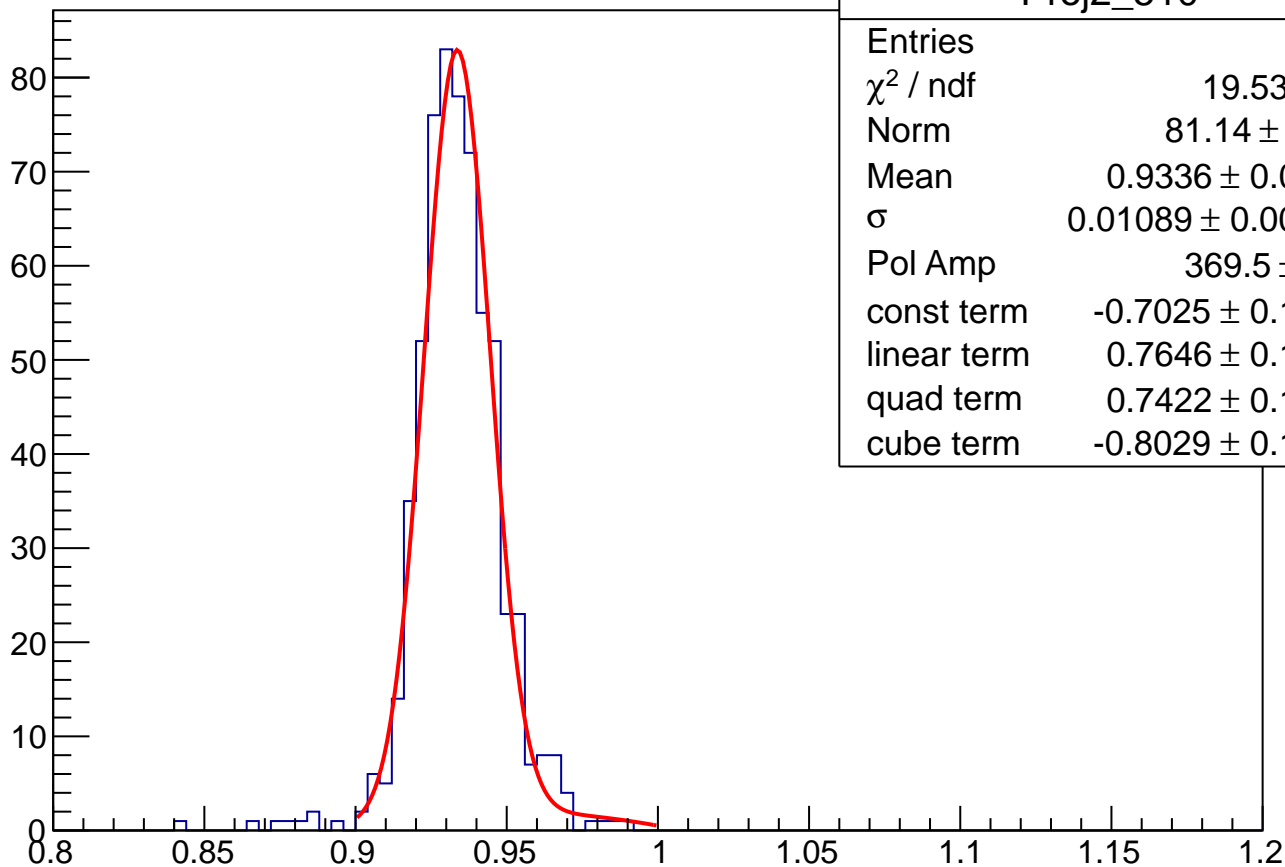
PhiThetaMassPim



Proj2_59

Entries	842
χ^2 / ndf	17.86 / 14
Norm	110.8 ± 5.0
Mean	0.9353 ± 0.0004
σ	0.01148 ± 0.00041
Pol Amp	369.6 ± 0.3
const term	-0.5711 ± 0.0856
linear term	0.5879 ± 0.0830
quad term	0.606 ± 0.087
cube term	-0.6193 ± 0.0868

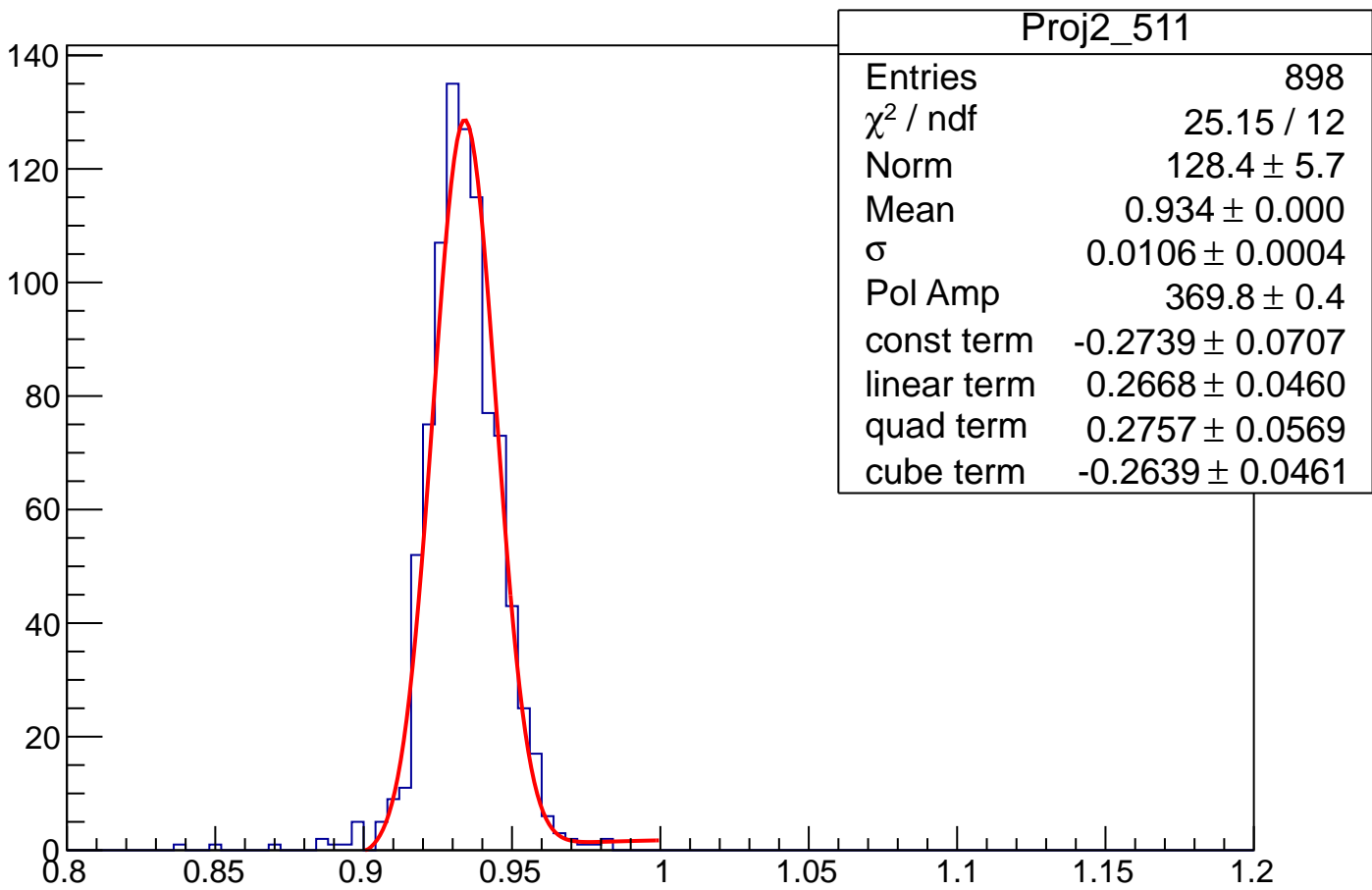
PhiThetaMassPim



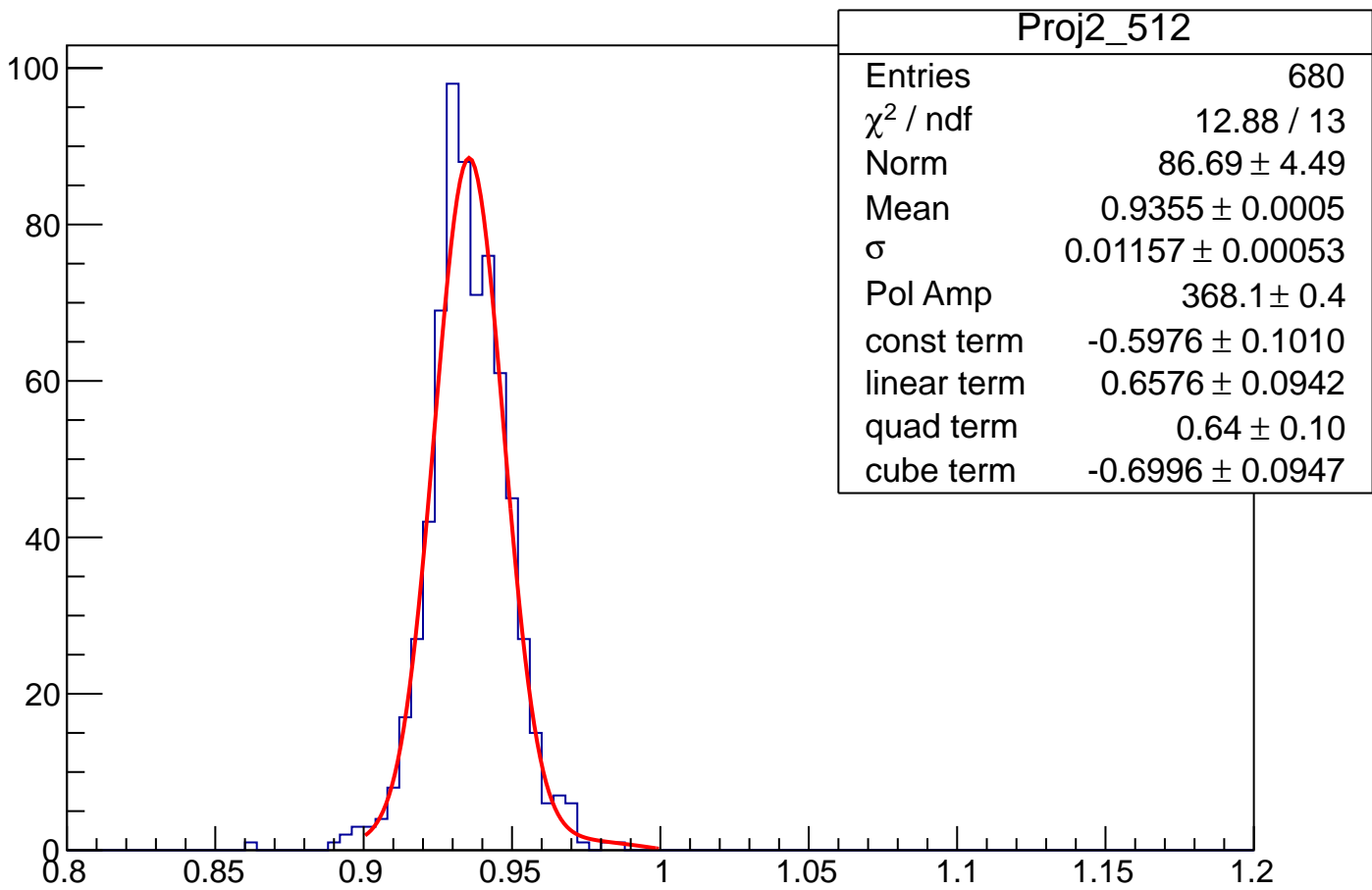
Proj2_510

Entries	615
χ^2 / ndf	19.53 / 14
Norm	81.14 ± 4.48
Mean	0.9336 ± 0.0005
σ	0.01089 ± 0.00050
Pol Amp	369.5 ± 0.4
const term	-0.7025 ± 0.1338
linear term	0.7646 ± 0.1345
quad term	0.7422 ± 0.1353
cube term	-0.8029 ± 0.1378

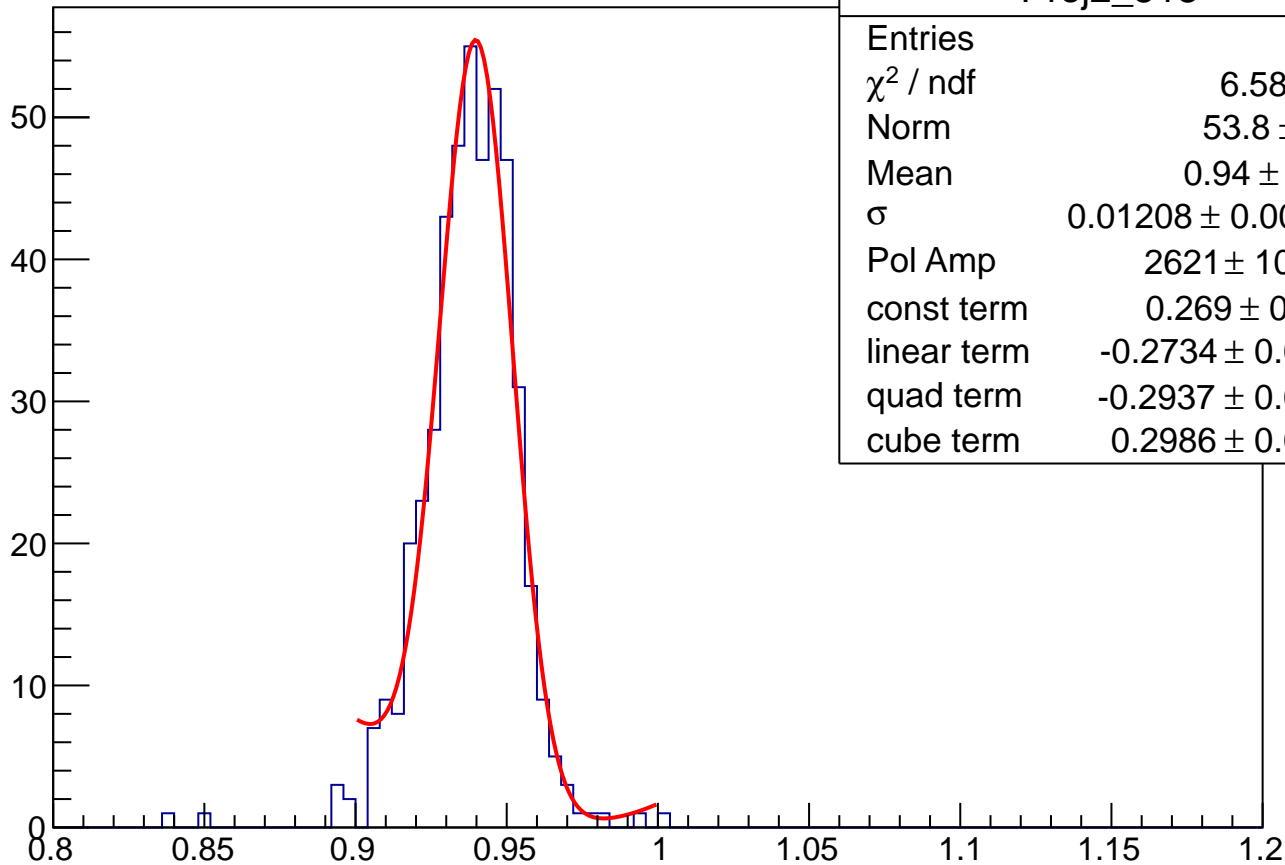
PhiThetaMassPim



PhiThetaMassPim



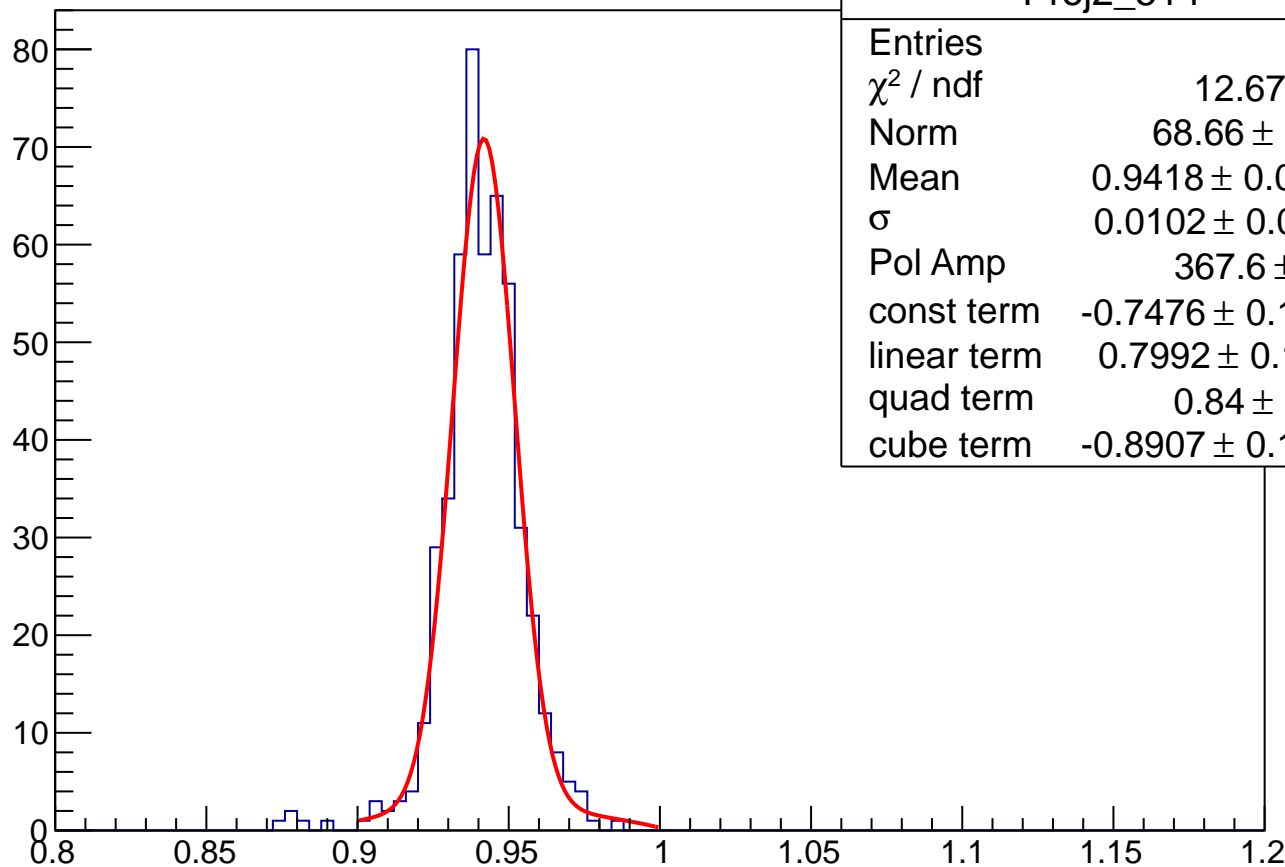
PhiThetaMassPim



Proj2_513

Entries	464
χ^2 / ndf	6.58 / 13
Norm	53.8 ± 3.4
Mean	0.94 ± 0.00
σ	0.01208 ± 0.00066
Pol Amp	2621 ± 1047.1
const term	0.269 ± 0.002
linear term	-0.2734 ± 0.0021
quad term	-0.2937 ± 0.0021
cube term	0.2986 ± 0.0021

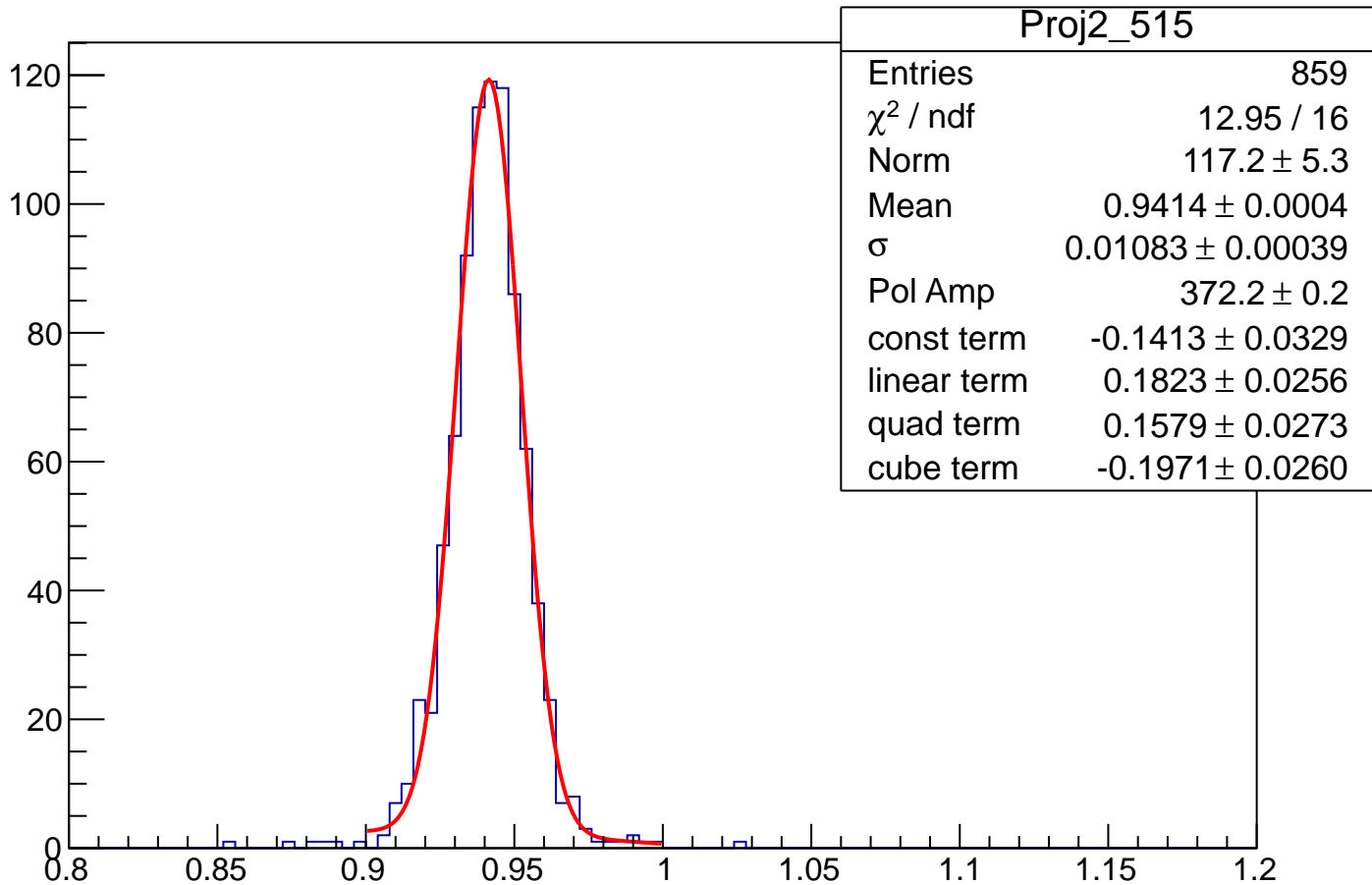
PhiThetaMassPim



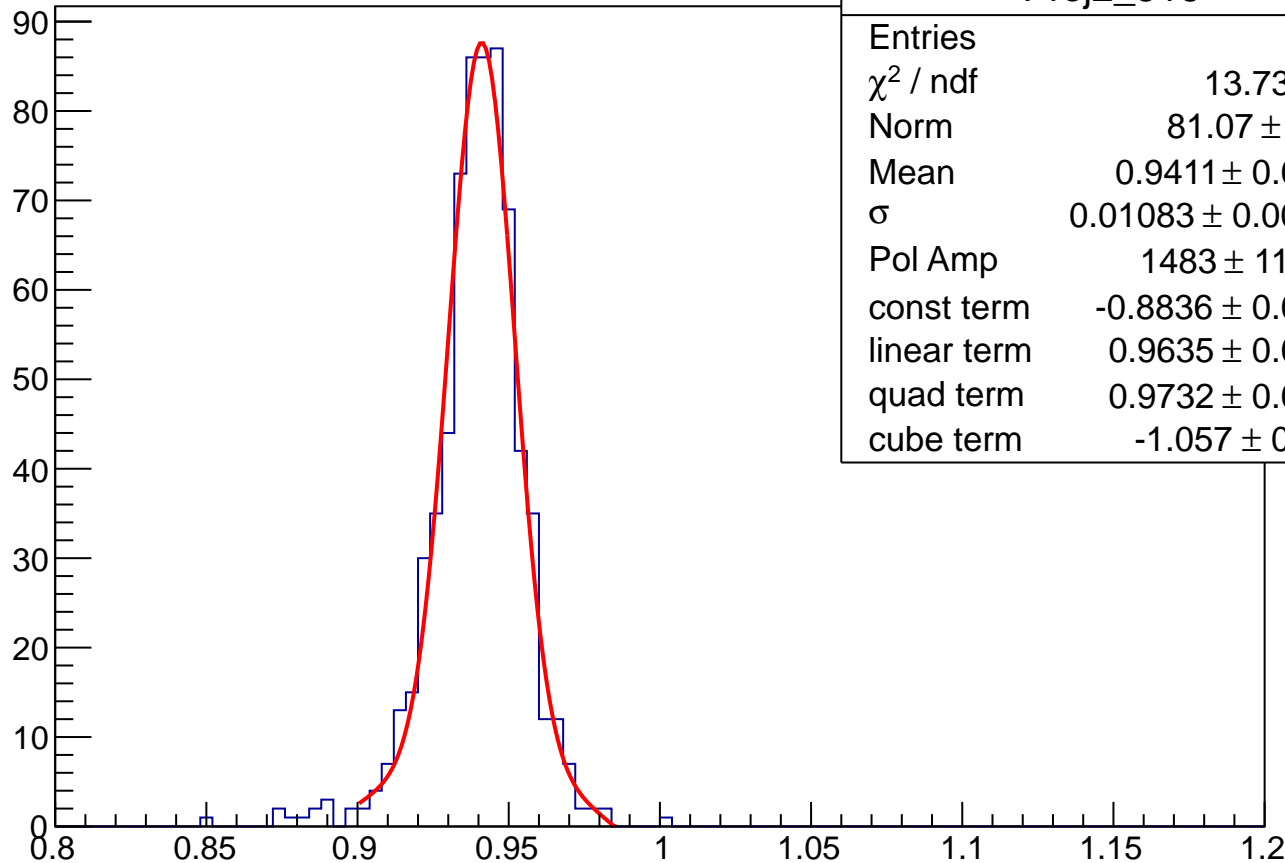
Proj2_514

Entries	495
χ^2 / ndf	12.67 / 13
Norm	68.66 ± 4.28
Mean	0.9418 ± 0.0005
σ	0.0102 ± 0.0004
Pol Amp	367.6 ± 0.5
const term	-0.7476 ± 0.1686
linear term	0.7992 ± 0.1781
quad term	0.84 ± 0.19
cube term	-0.8907 ± 0.1989

PhiThetaMassPim



PhiThetaMassPim

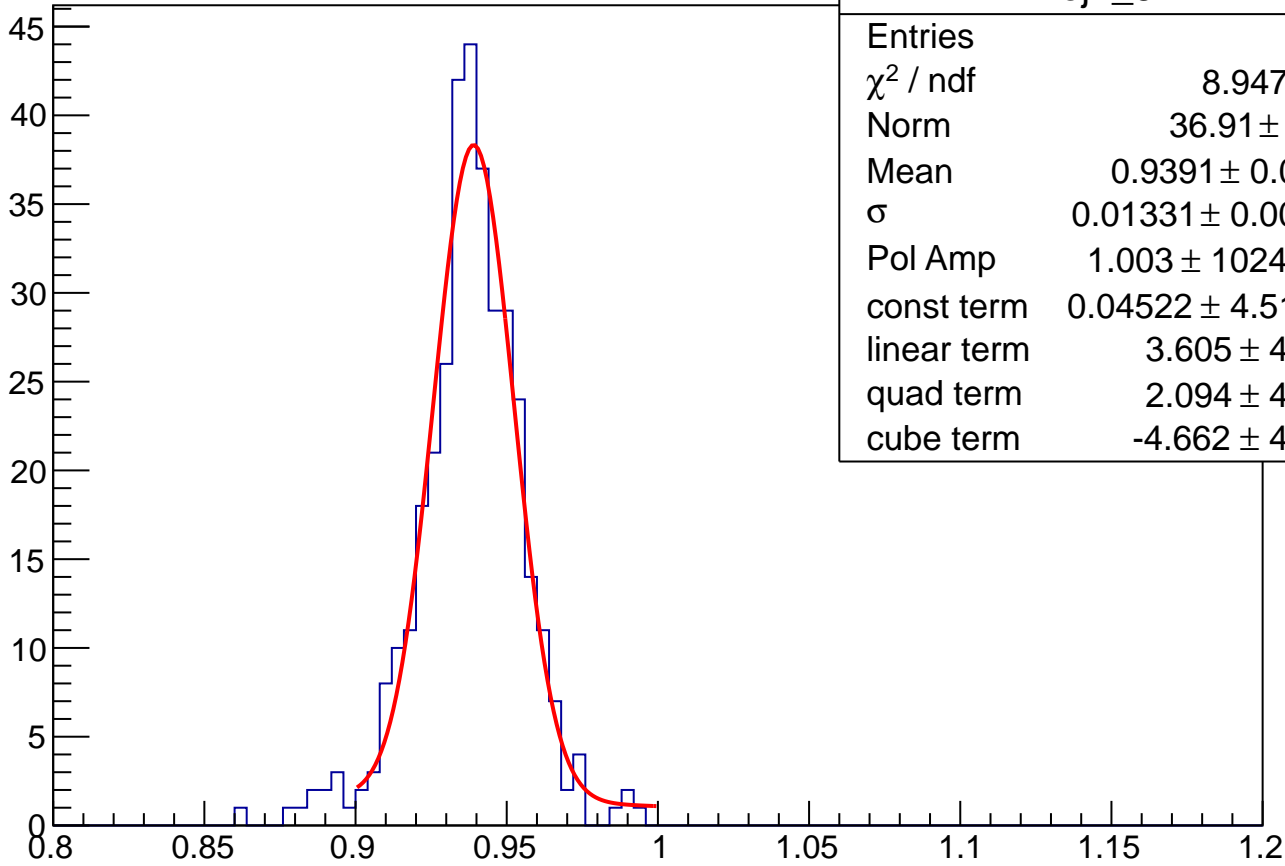


Proj2_516

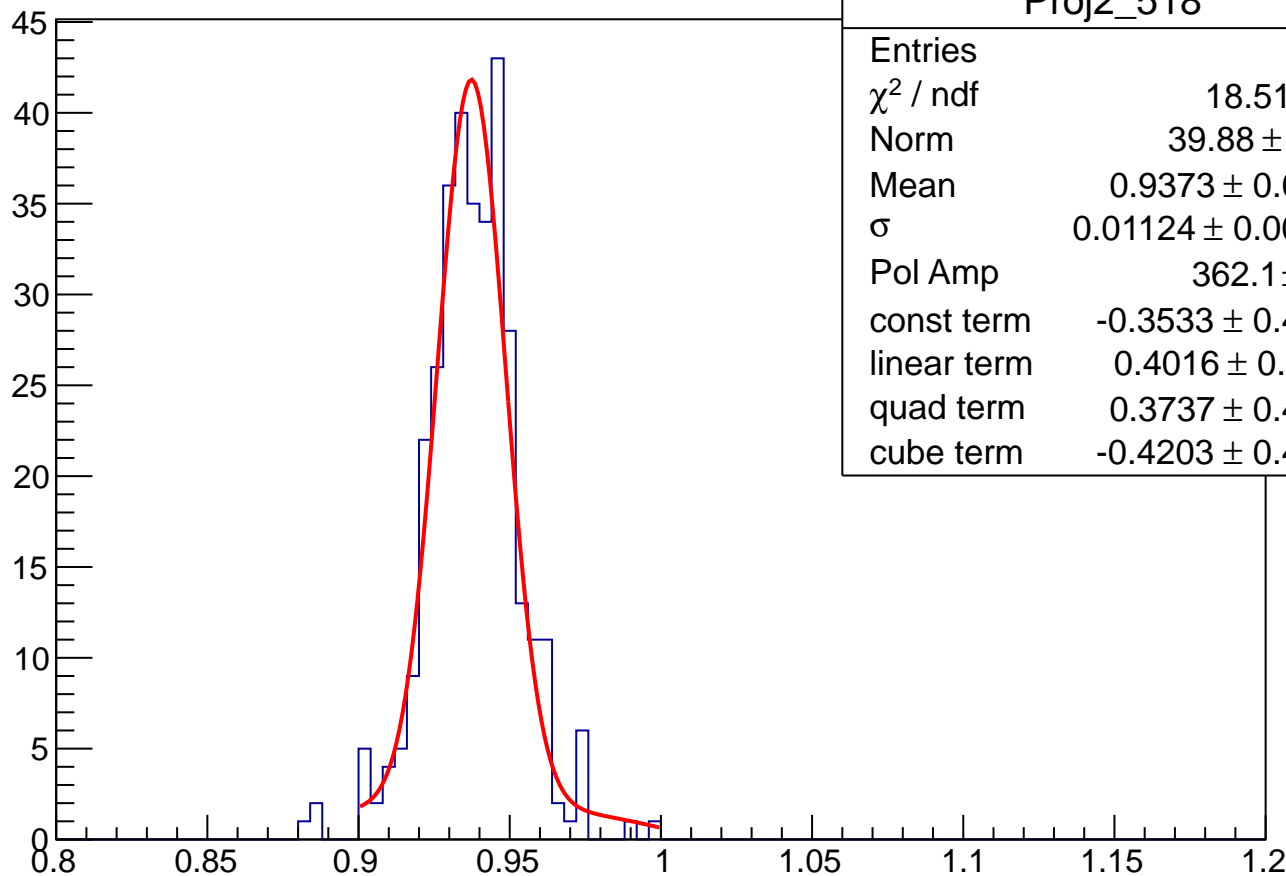
Entries	678
χ^2 / ndf	13.73 / 13
Norm	81.07 ± 5.08
Mean	0.9411 ± 0.0006
σ	0.01083 ± 0.00077
Pol Amp	1483 ± 1108.3
const term	-0.8836 ± 0.0043
linear term	0.9635 ± 0.0048
quad term	0.9732 ± 0.0049
cube term	-1.057 ± 0.005

PhiThetaMassPim

Proj2_517	
Entries	357
χ^2 / ndf	8.947 / 14
Norm	36.91 ± 2.74
Mean	0.9391 ± 0.0010
σ	0.01331 ± 0.00109
Pol Amp	1.003 ± 1024.686
const term	0.04522 ± 4.51254
linear term	3.605 ± 4.522
quad term	2.094 ± 4.416
cube term	-4.662 ± 4.192



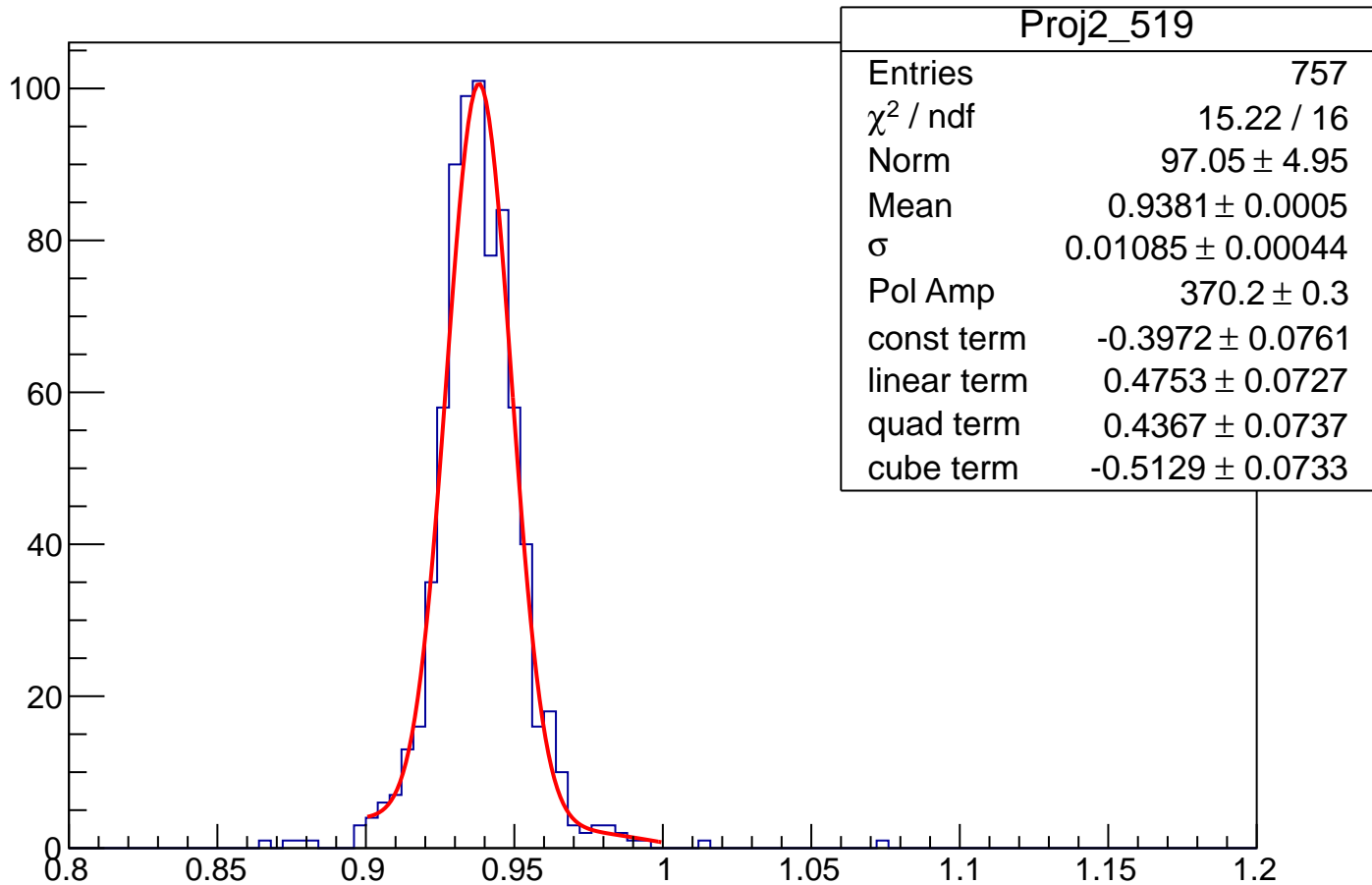
PhiThetaMassPim



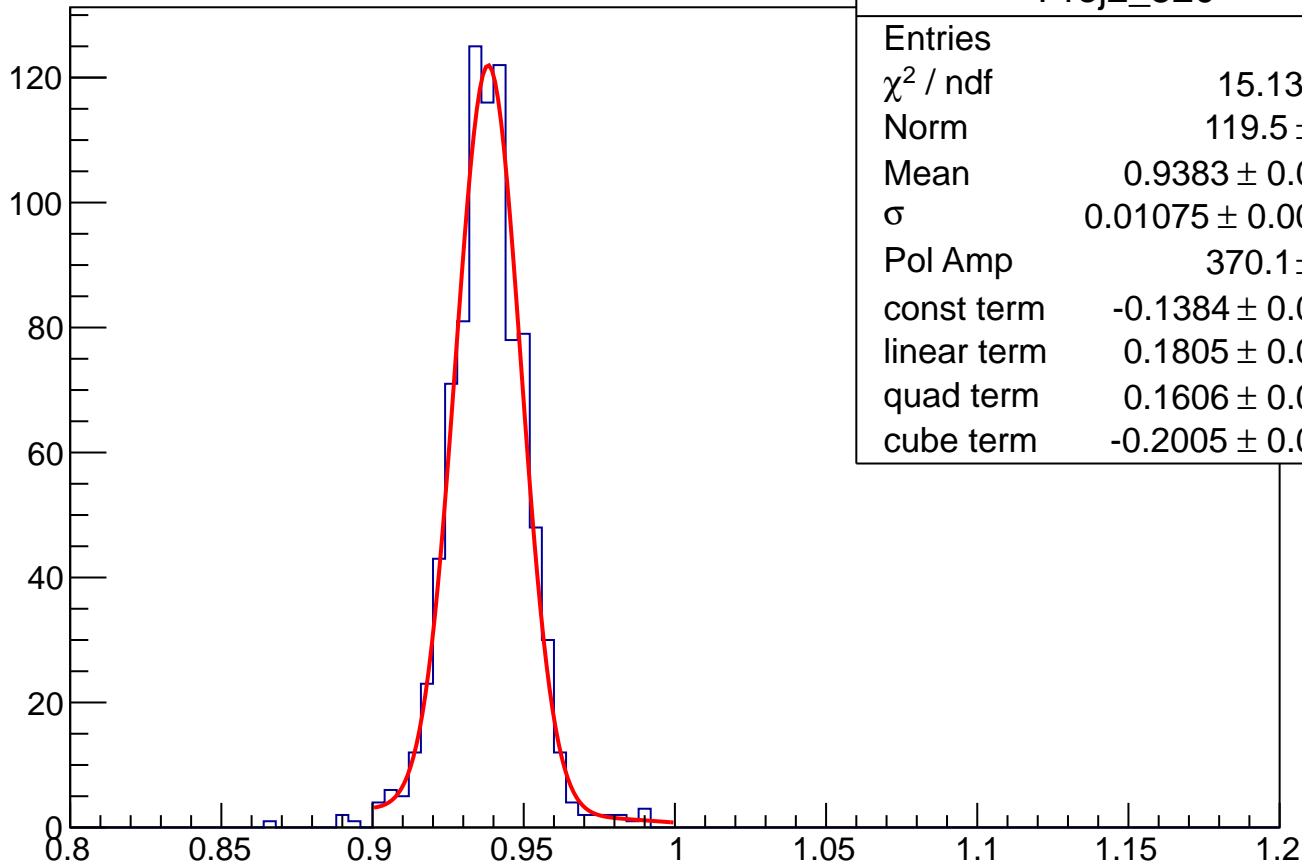
Proj2_518

Entries	338
χ^2 / ndf	18.51 / 13
Norm	39.88 ± 3.03
Mean	0.9373 ± 0.0006
σ	0.01124 ± 0.00074
Pol Amp	362.1 ± 1.2
const term	-0.3533 ± 0.4180
linear term	0.4016 ± 0.4521
quad term	0.3737 ± 0.4530
cube term	-0.4203 ± 0.4889

PhiThetaMassPim



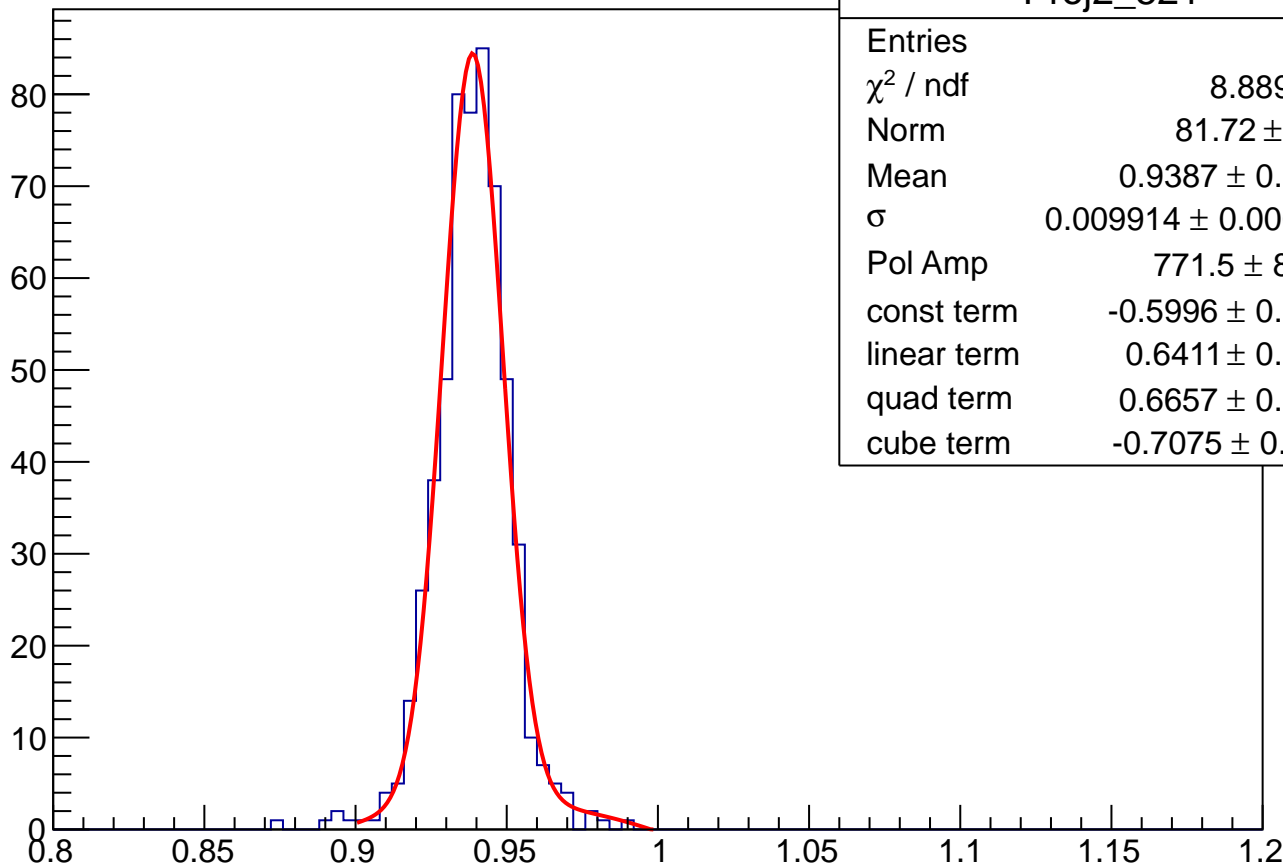
PhiThetaMassPim



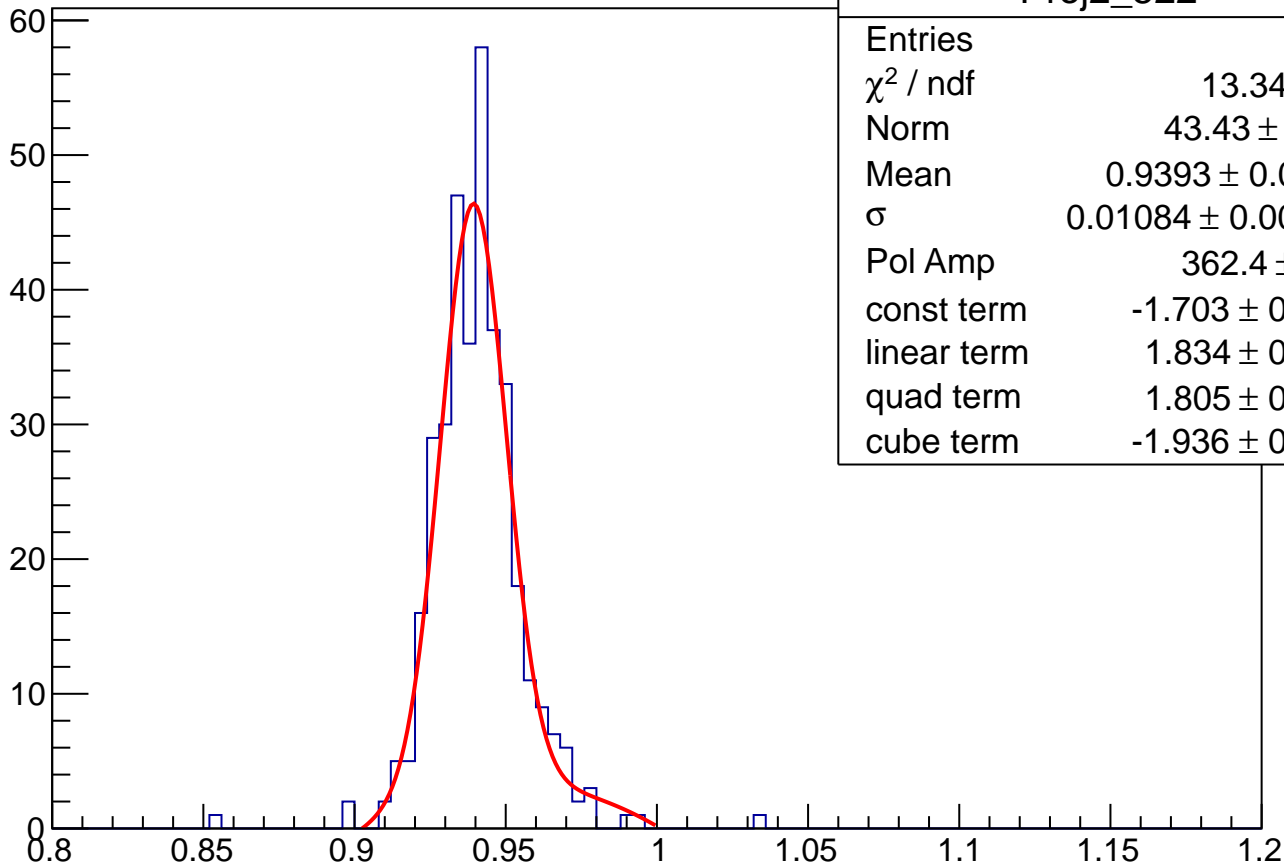
Proj2_520

Entries	875
χ^2 / ndf	15.13 / 15
Norm	119.5 ± 5.2
Mean	0.9383 ± 0.0004
σ	0.01075 ± 0.00035
Pol Amp	370.1 ± 0.3
const term	-0.1384 ± 0.0408
linear term	0.1805 ± 0.0414
quad term	0.1606 ± 0.0403
cube term	-0.2005 ± 0.0476

PhiThetaMassPim



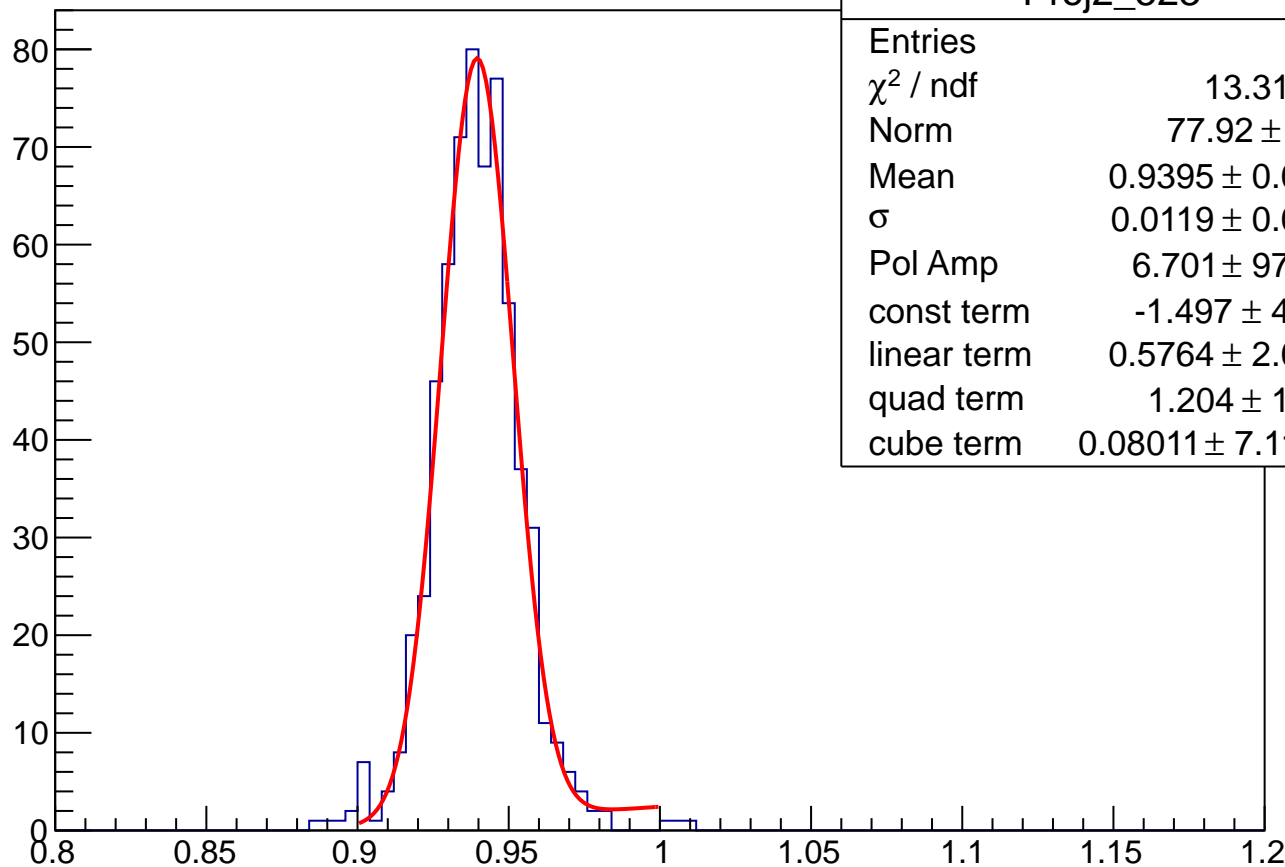
PhiThetaMassPim



Proj2_522

Entries	360
χ^2 / ndf	13.34 / 12
Norm	43.43 ± 3.48
Mean	0.9393 ± 0.0008
σ	0.01084 ± 0.00072
Pol Amp	362.4 ± 0.9
const term	-1.703 ± 0.354
linear term	1.834 ± 0.365
quad term	1.805 ± 0.366
cube term	-1.936 ± 0.379

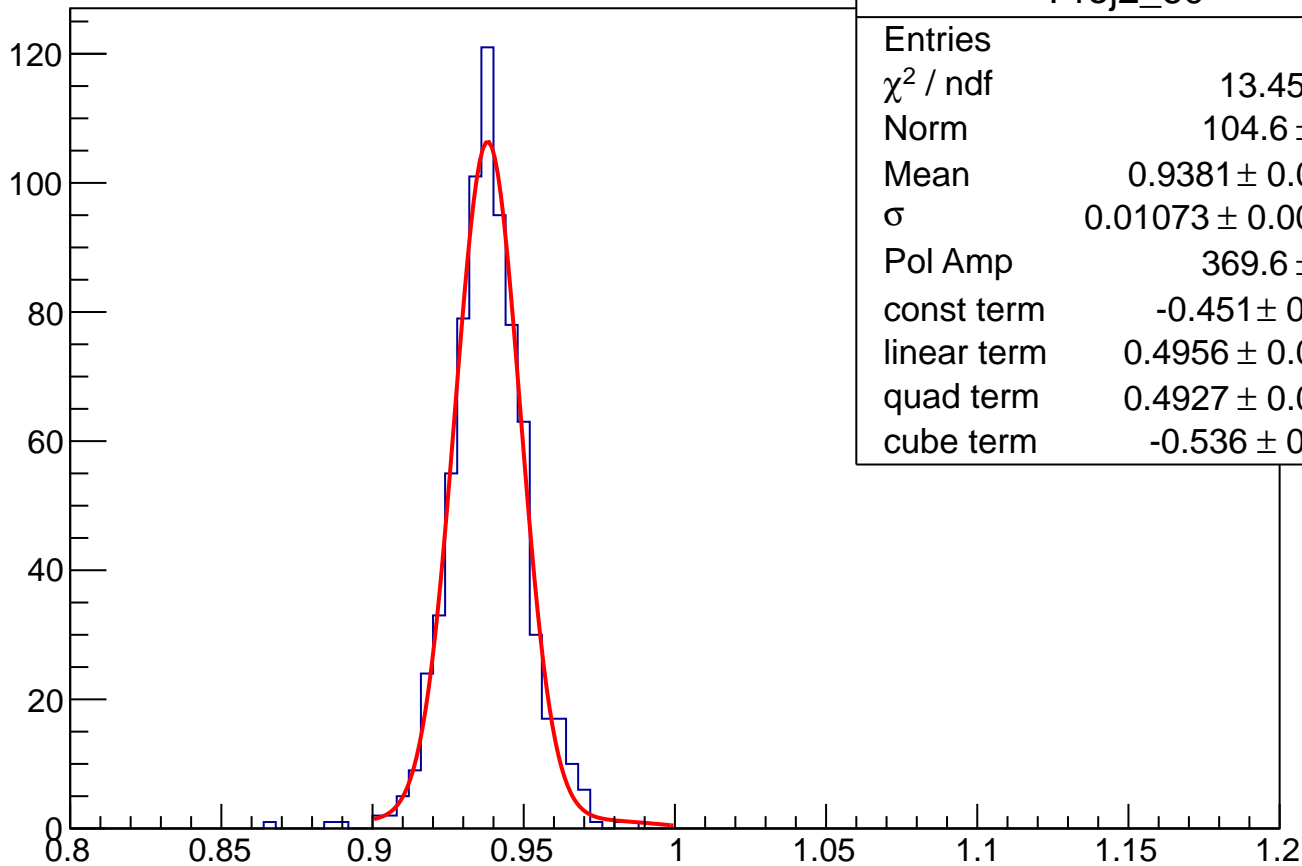
PhiThetaMassPim



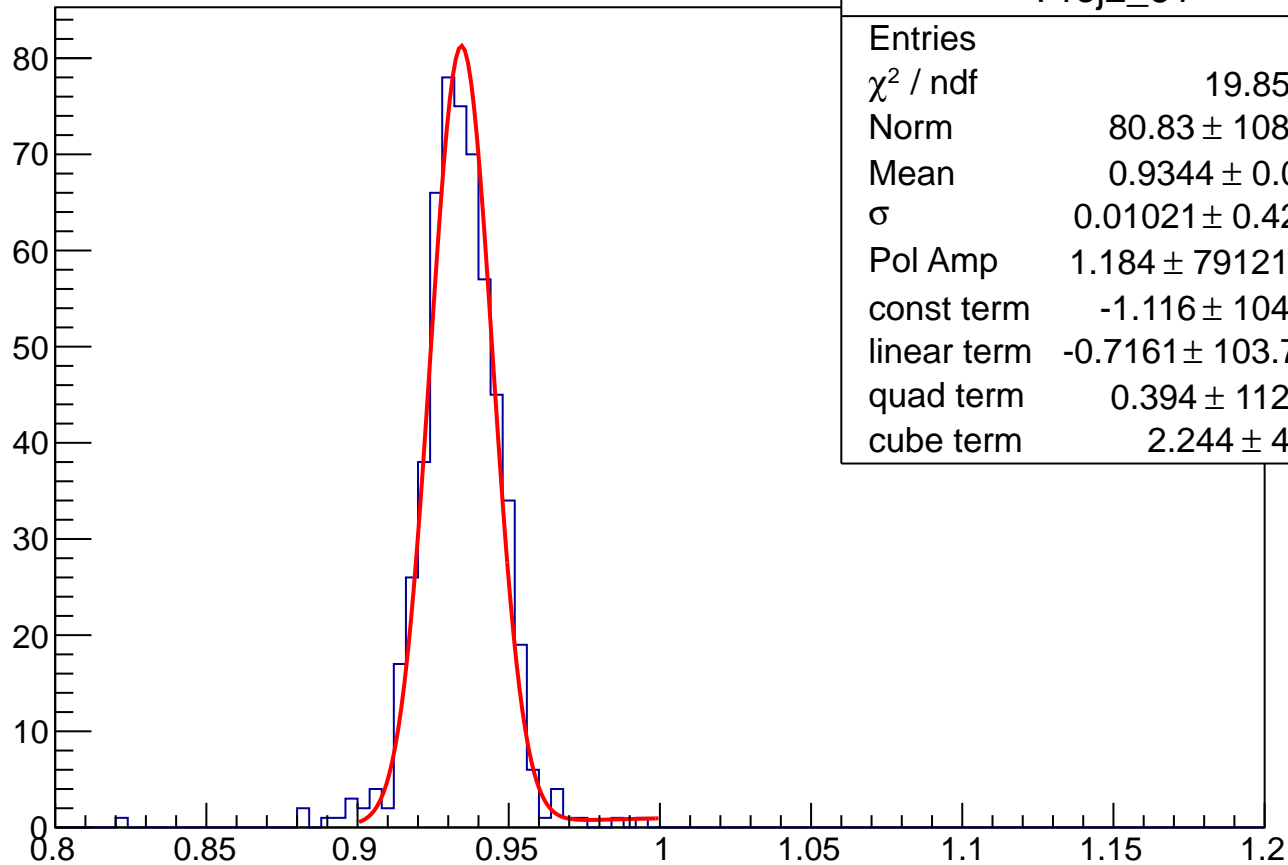
Proj2_523

Entries	628
χ^2 / ndf	13.31 / 13
Norm	77.92 ± 3.99
Mean	0.9395 ± 0.0005
σ	0.0119 ± 0.0005
Pol Amp	6.701 ± 97.134
const term	-1.497 ± 4.363
linear term	0.5764 ± 2.0799
quad term	1.204 ± 1.740
cube term	0.08011 ± 7.11473

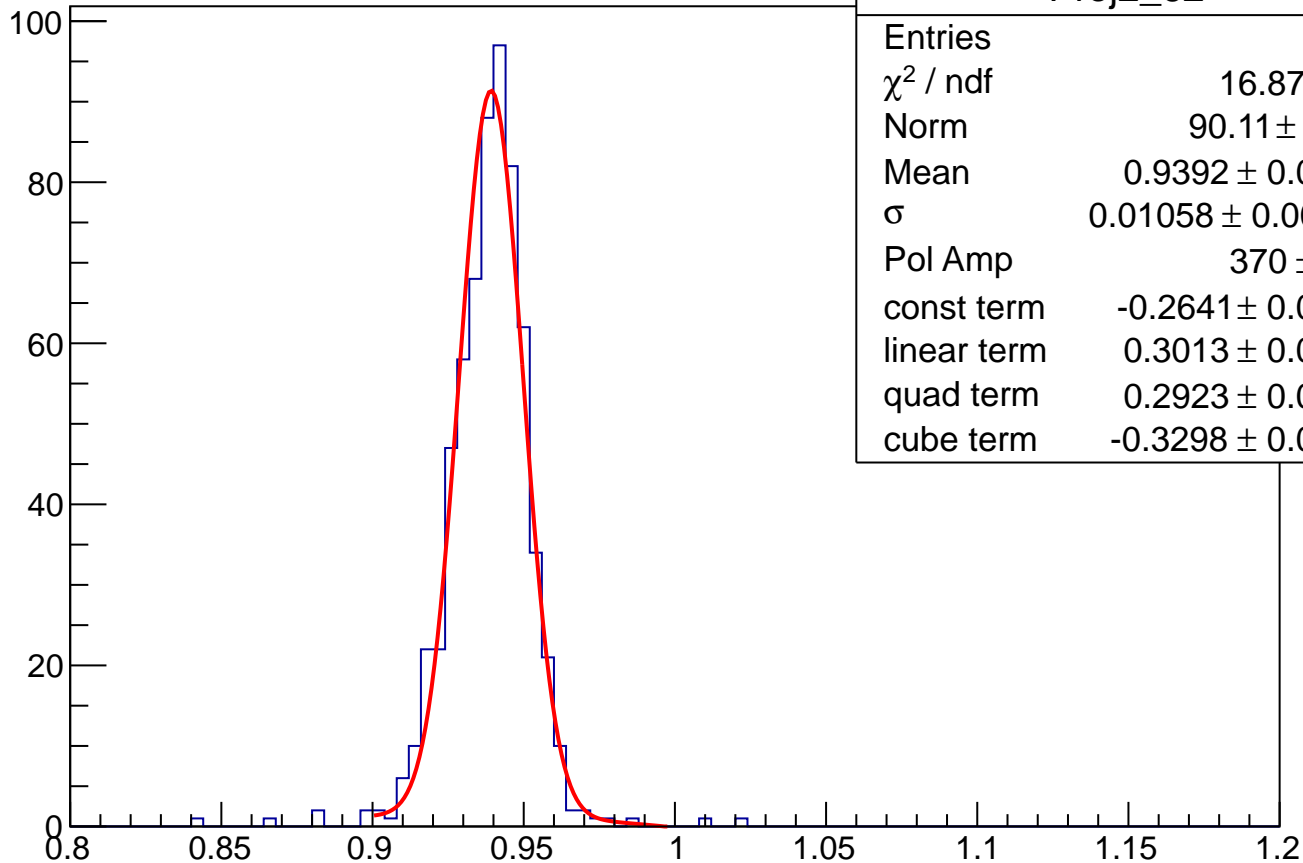
PhiThetaMassPim



PhiThetaMassPim



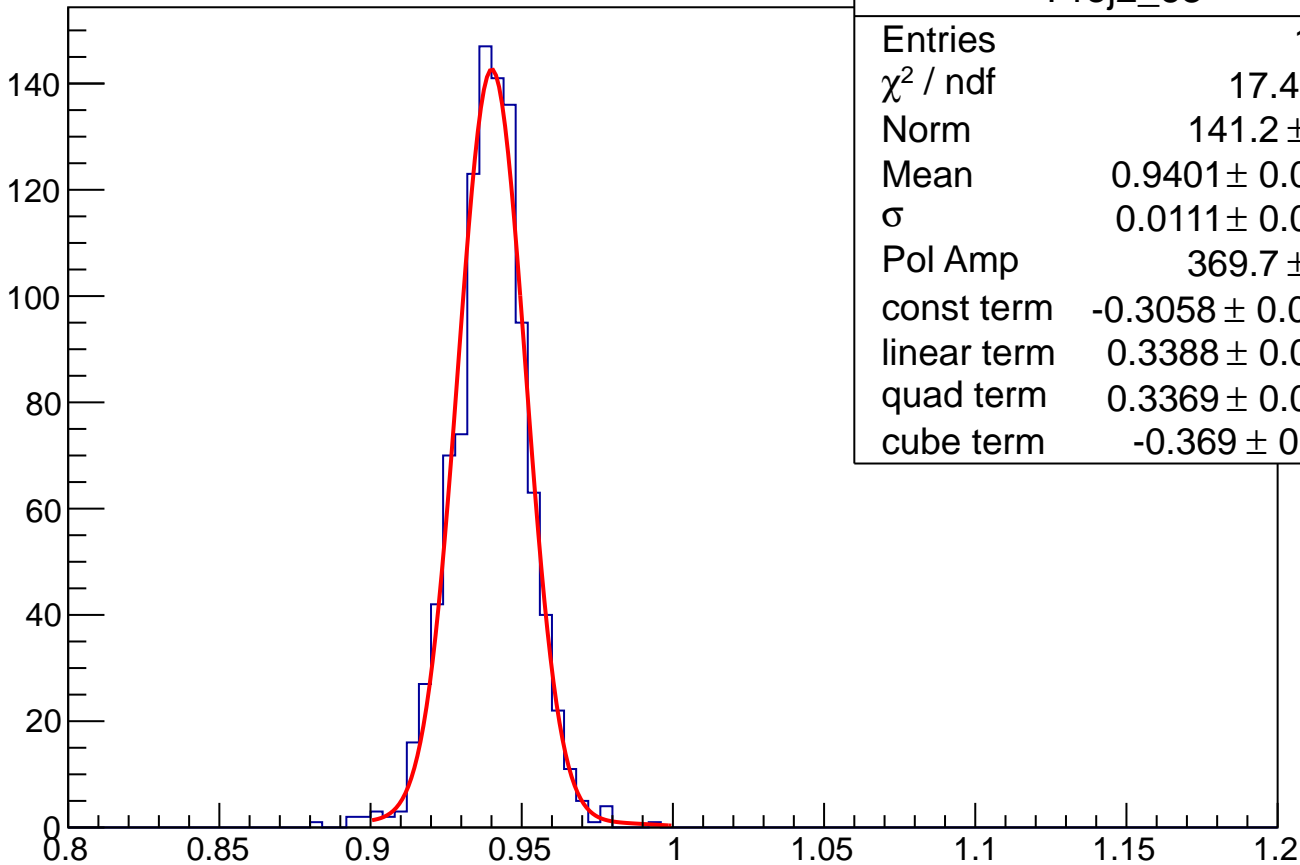
PhiThetaMassPim



Proj2_62

Entries	645
χ^2 / ndf	16.87 / 13
Norm	90.11 ± 4.67
Mean	0.9392 ± 0.0005
σ	0.01058 ± 0.00041
Pol Amp	370 ± 0.4
const term	-0.2641 ± 0.0598
linear term	0.3013 ± 0.0609
quad term	0.2923 ± 0.0612
cube term	-0.3298 ± 0.0648

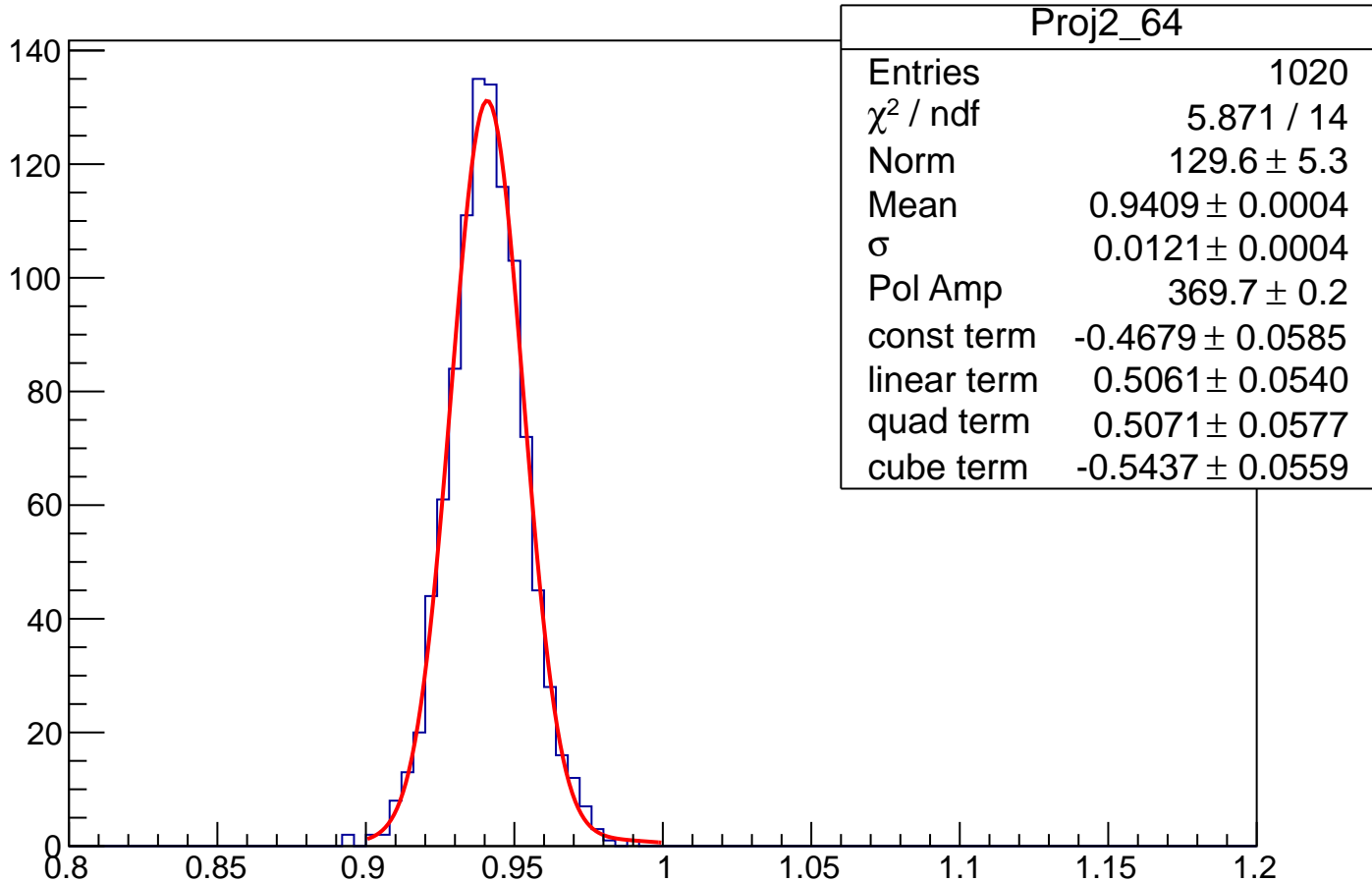
PhiThetaMassPim



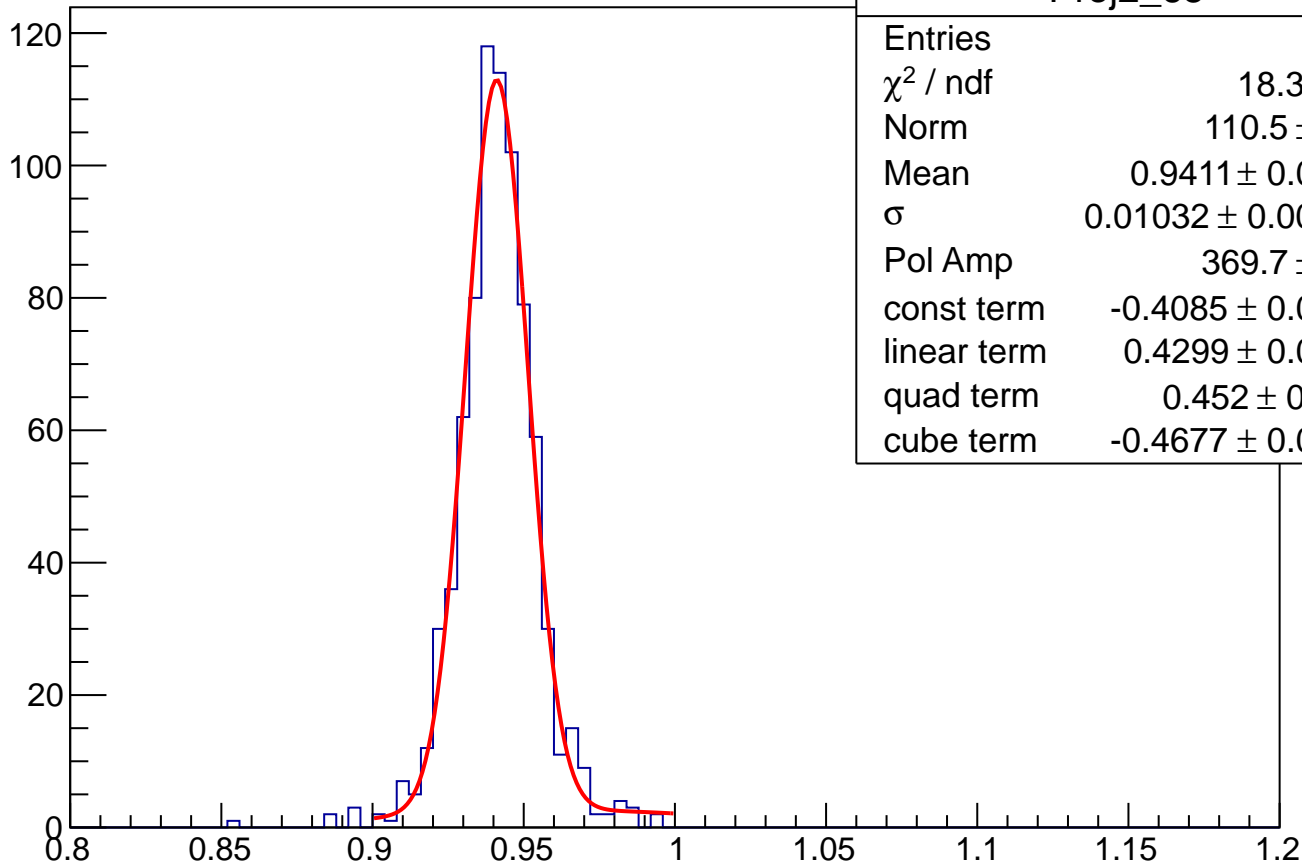
Proj2_63

Entries	1031
χ^2 / ndf	17.4 / 13
Norm	141.2 ± 5.7
Mean	0.9401 ± 0.0004
σ	0.0111 ± 0.0003
Pol Amp	369.7 ± 0.3
const term	-0.3058 ± 0.0495
linear term	0.3388 ± 0.0464
quad term	0.3369 ± 0.0489
cube term	-0.369 ± 0.049

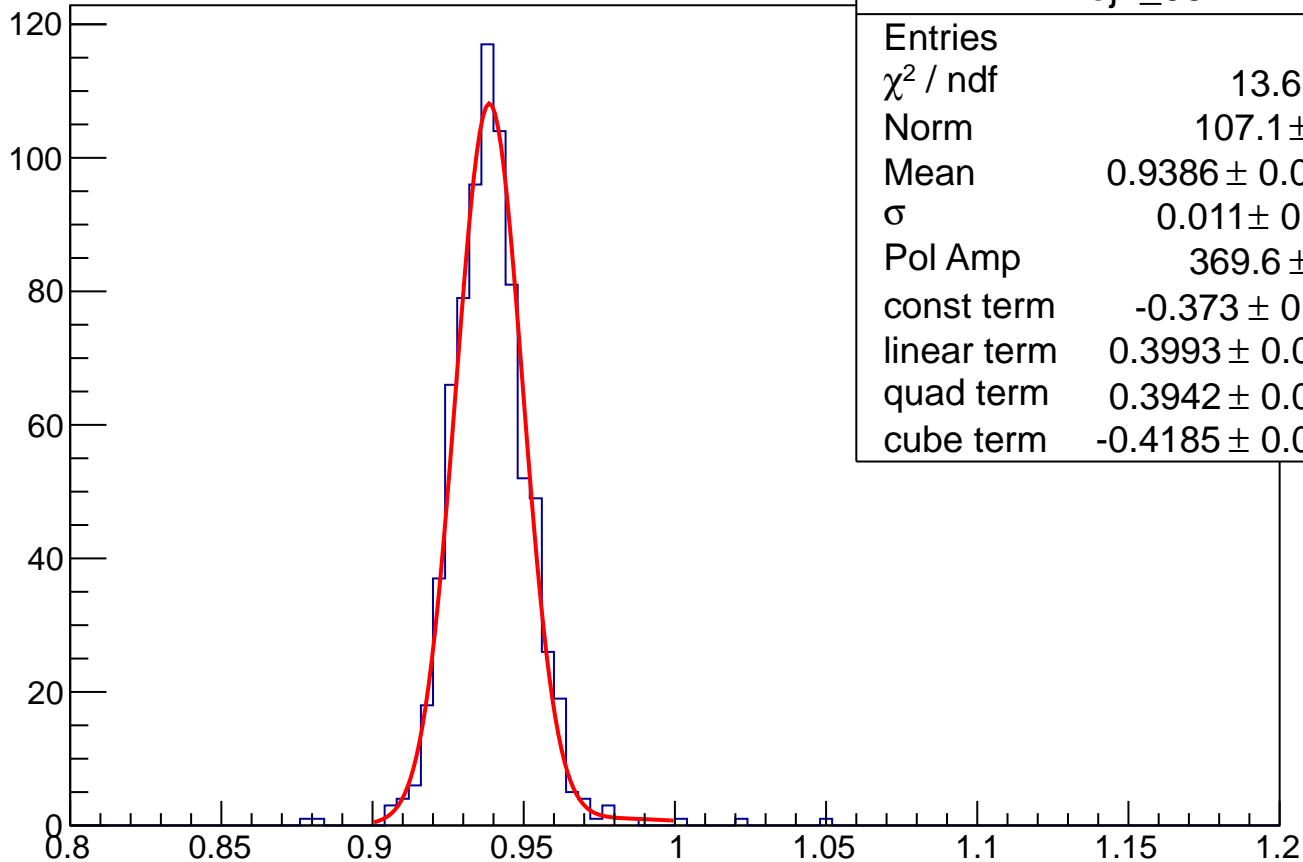
PhiThetaMassPim



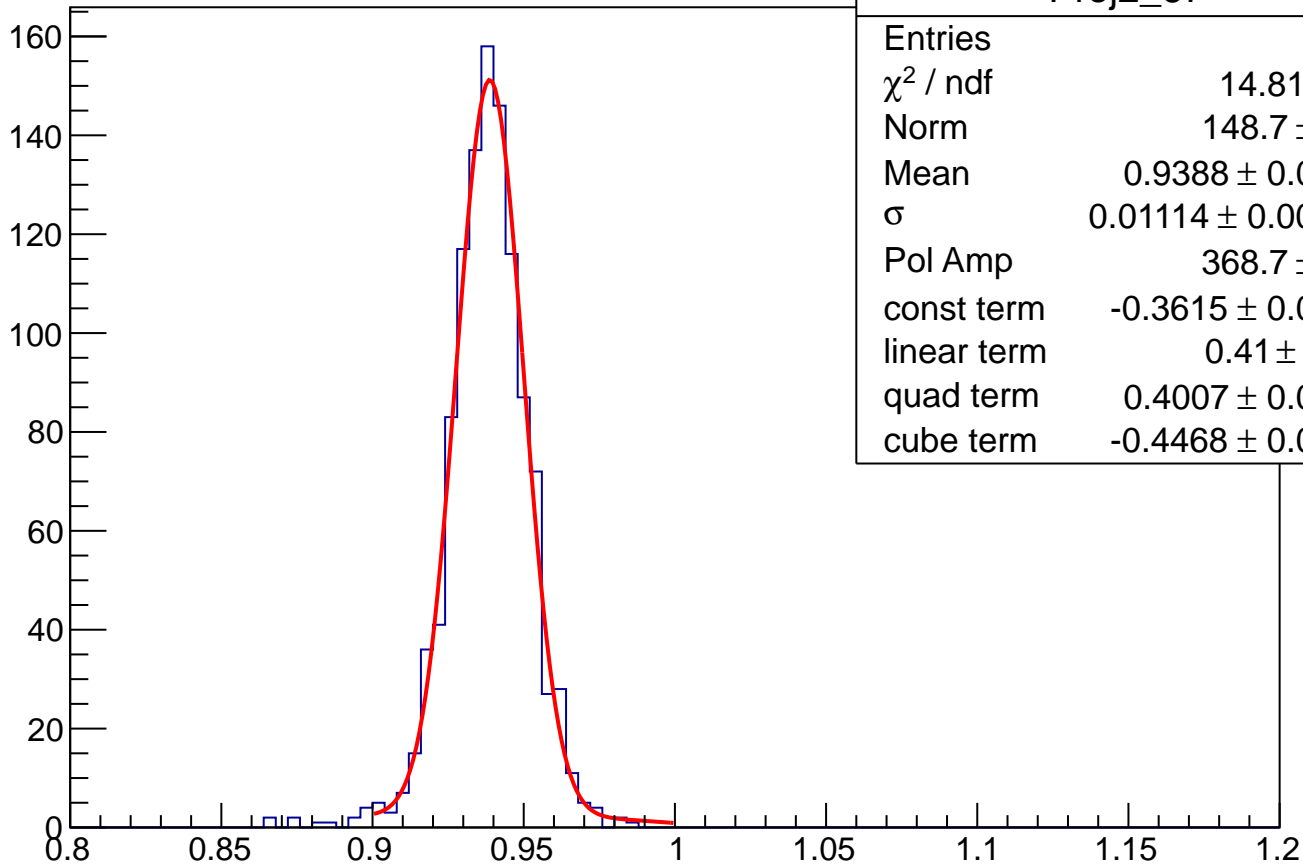
PhiThetaMassPim



PhiThetaMassPim



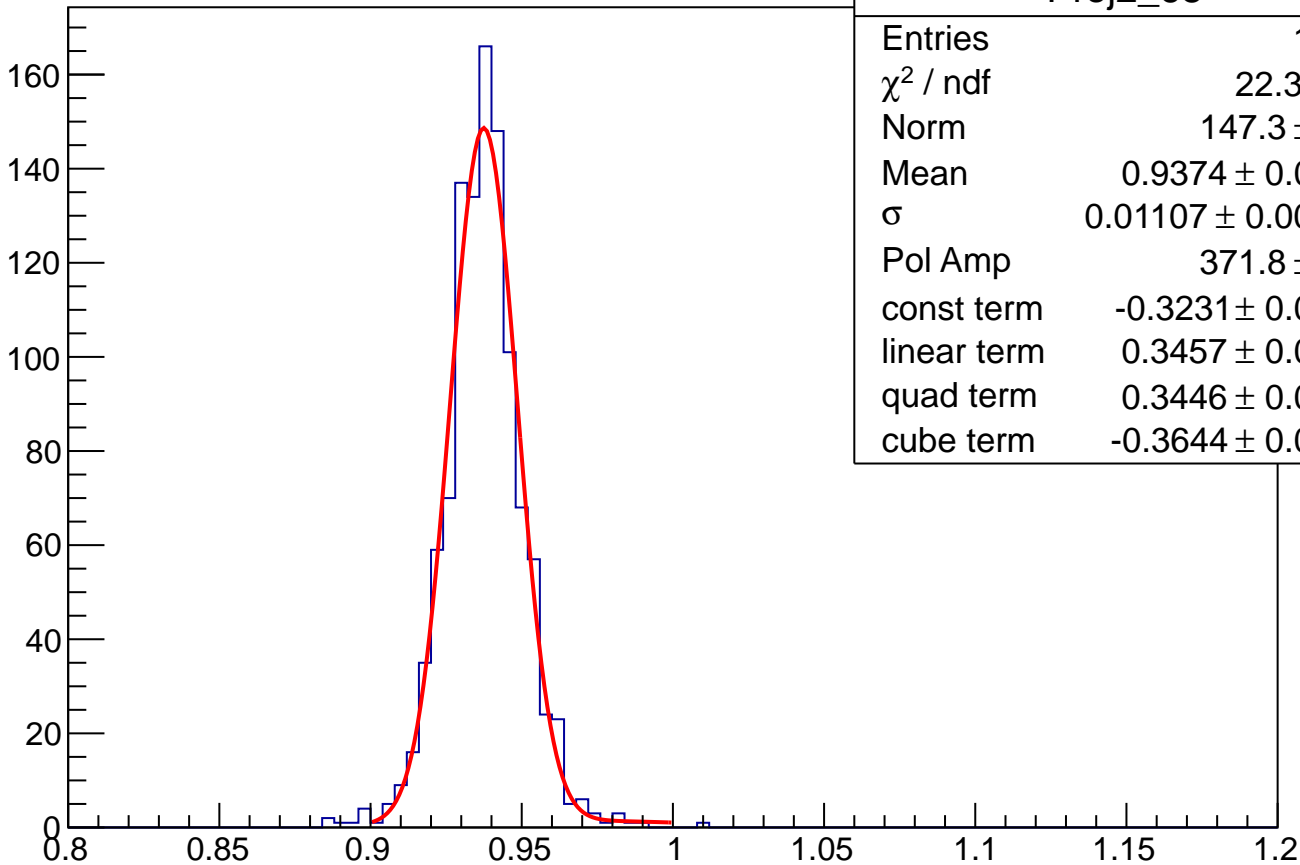
PhiThetaMassPim



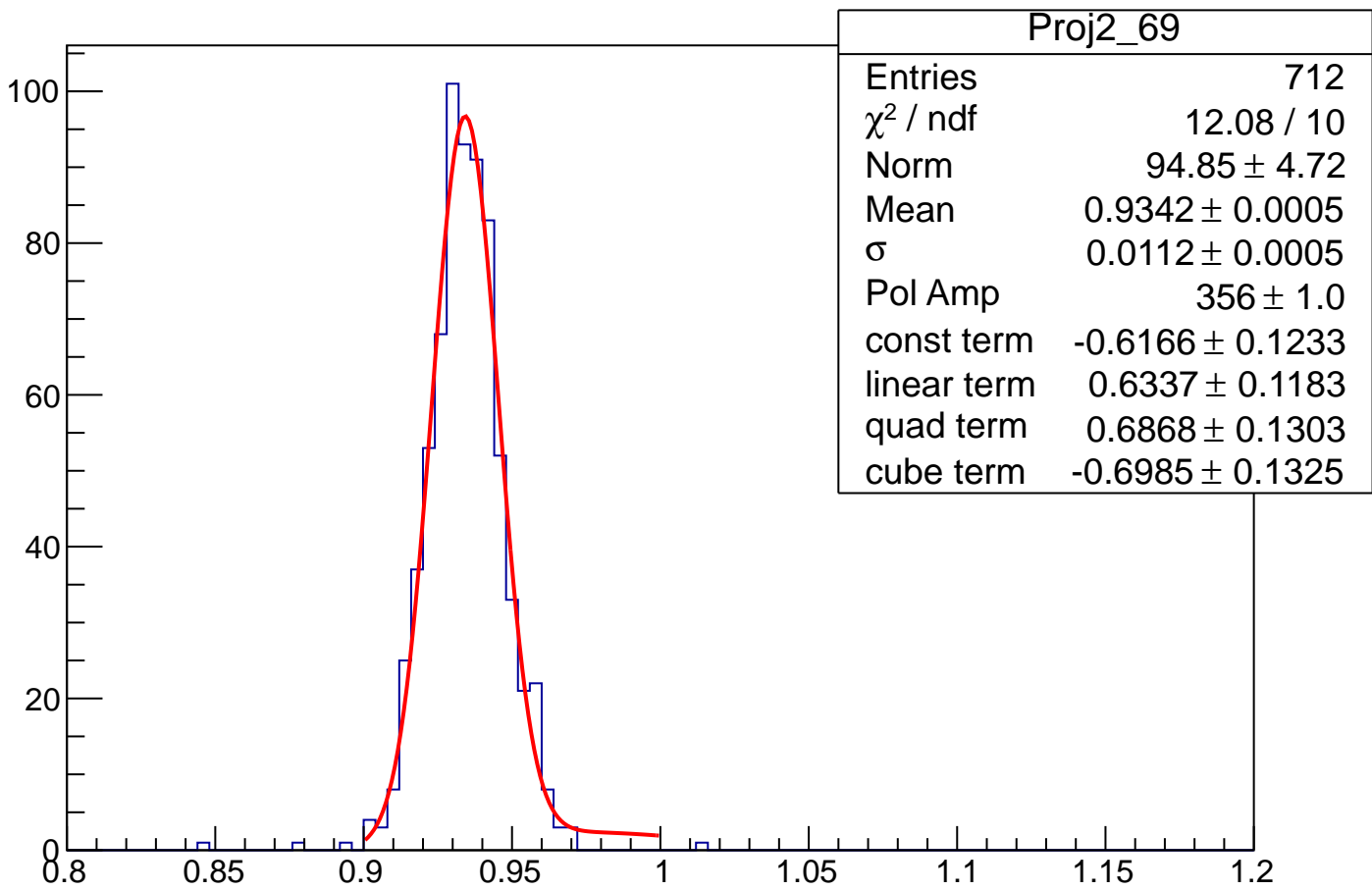
Proj2_67

Entries	1113
χ^2 / ndf	14.81 / 13
Norm	148.7 ± 6.0
Mean	0.9388 ± 0.0004
σ	0.01114 ± 0.00035
Pol Amp	368.7 ± 0.3
const term	-0.3615 ± 0.0604
linear term	0.41 ± 0.05
quad term	0.4007 ± 0.0572
cube term	-0.4468 ± 0.0528

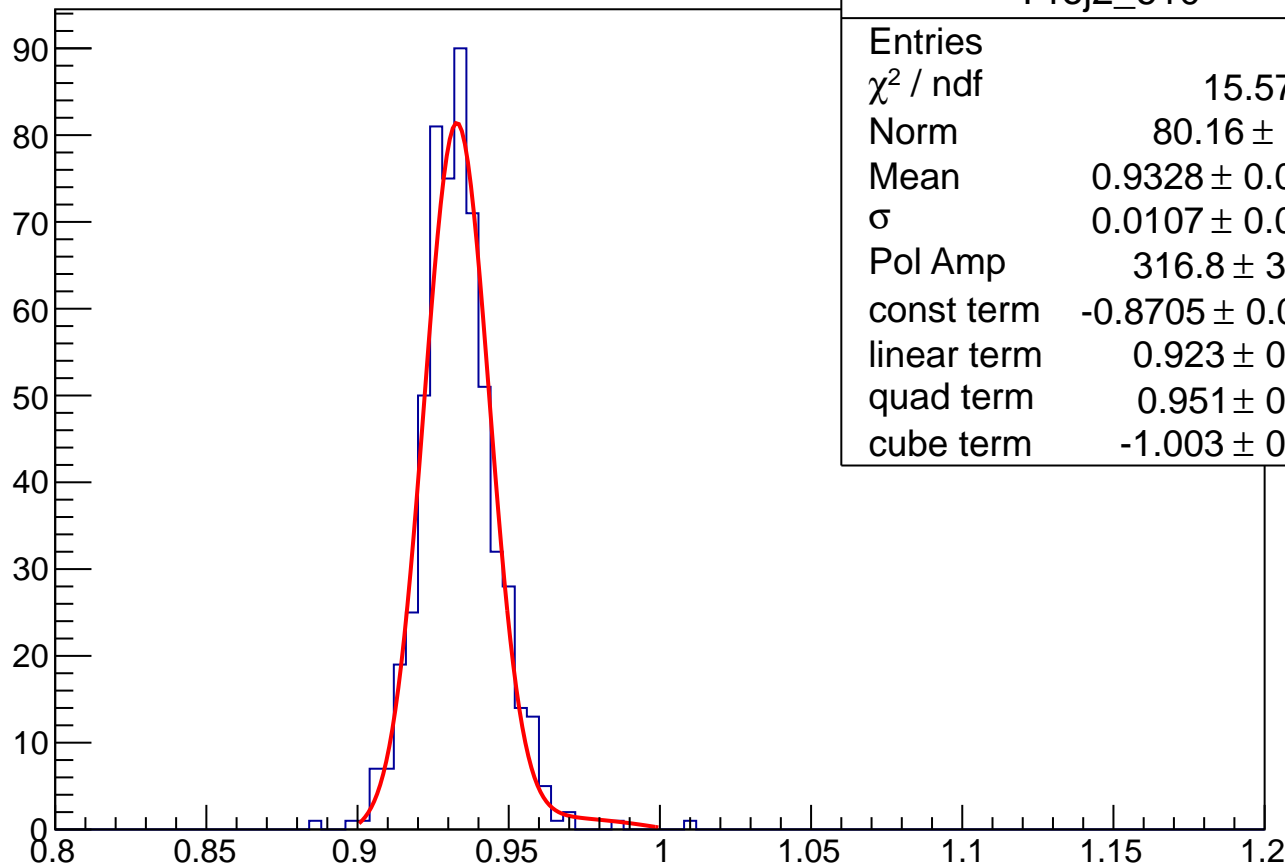
PhiThetaMassPim



PhiThetaMassPim



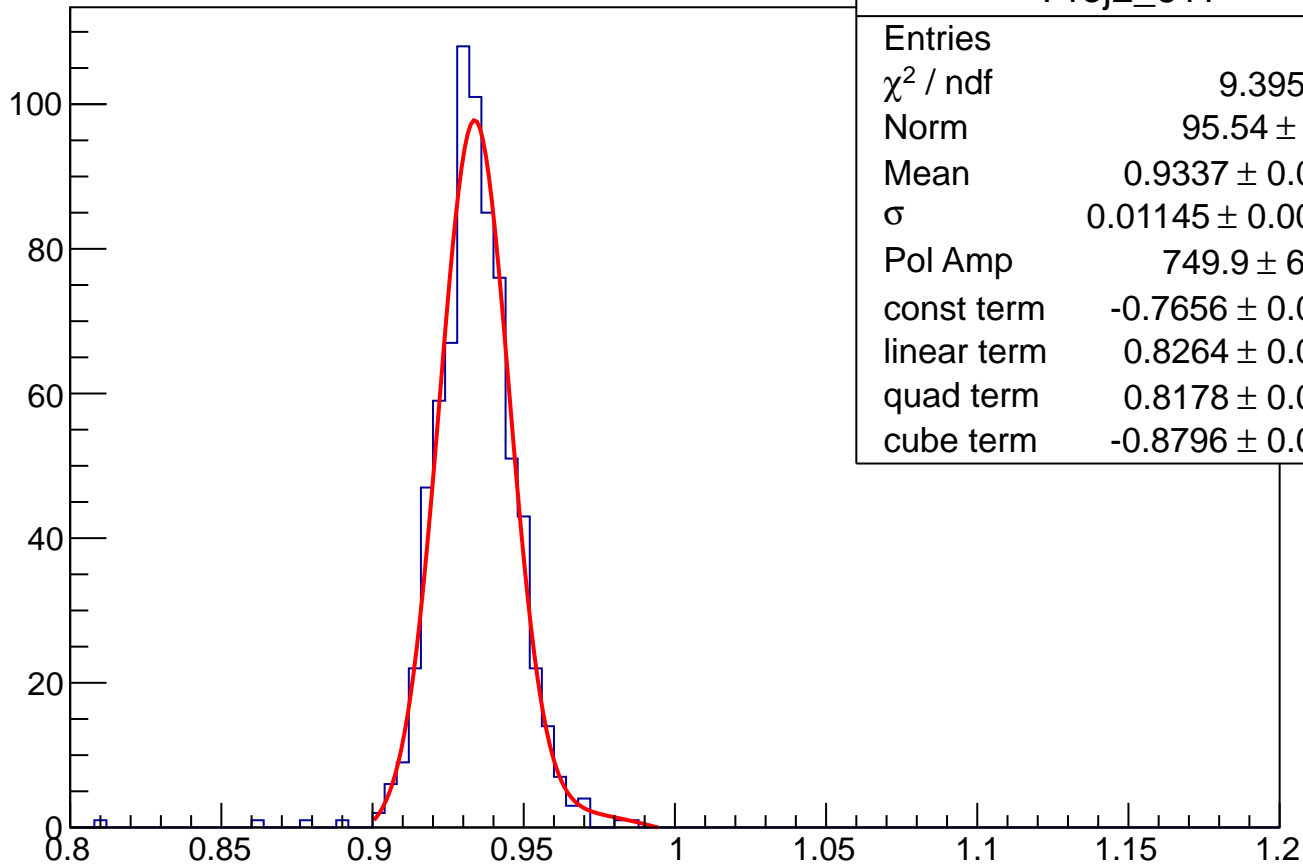
PhiThetaMassPim



Proj2_610

Entries	576
χ^2 / ndf	15.57 / 11
Norm	80.16 ± 4.56
Mean	0.9328 ± 0.0005
σ	0.0107 ± 0.0005
Pol Amp	316.8 ± 342.7
const term	-0.8705 ± 0.0166
linear term	0.923 ± 0.019
quad term	0.951 ± 0.020
cube term	-1.003 ± 0.020

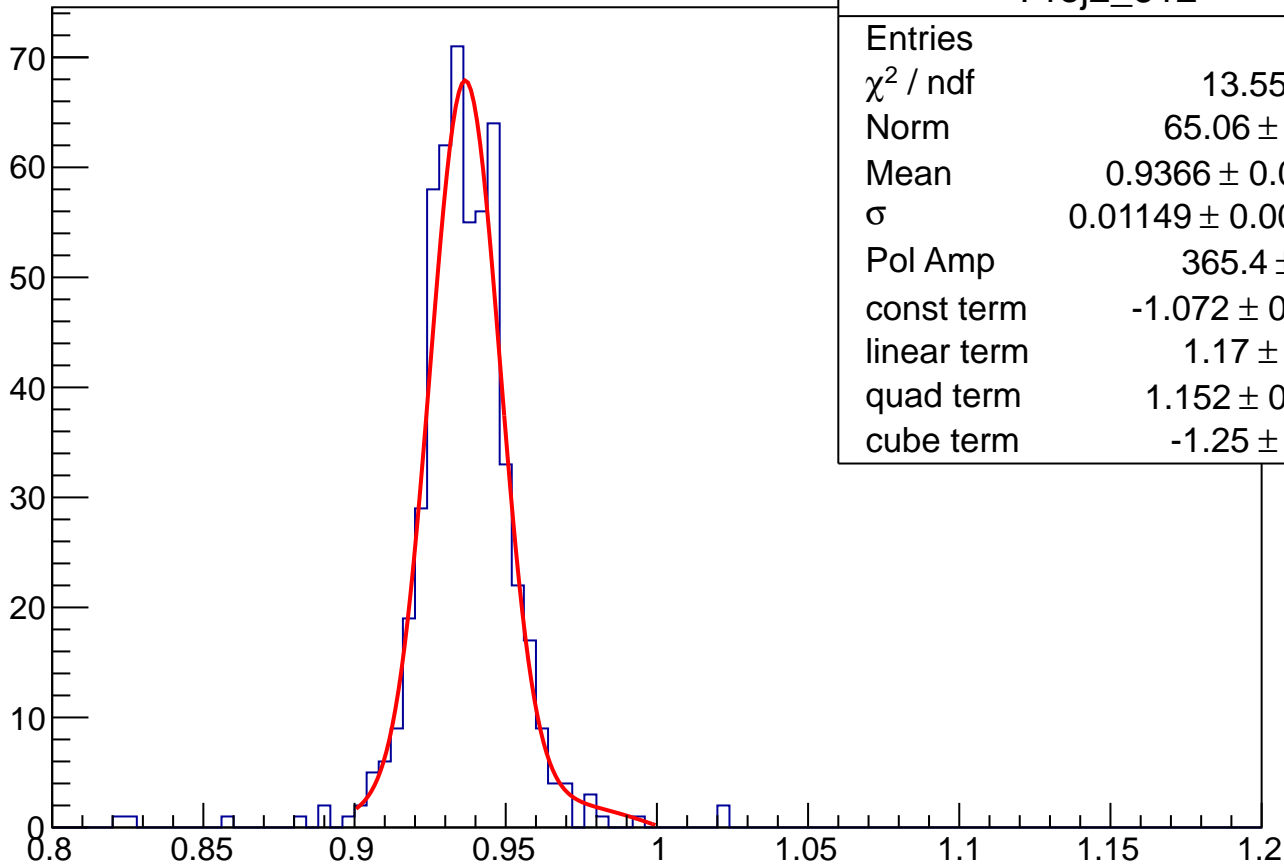
PhiThetaMassPim



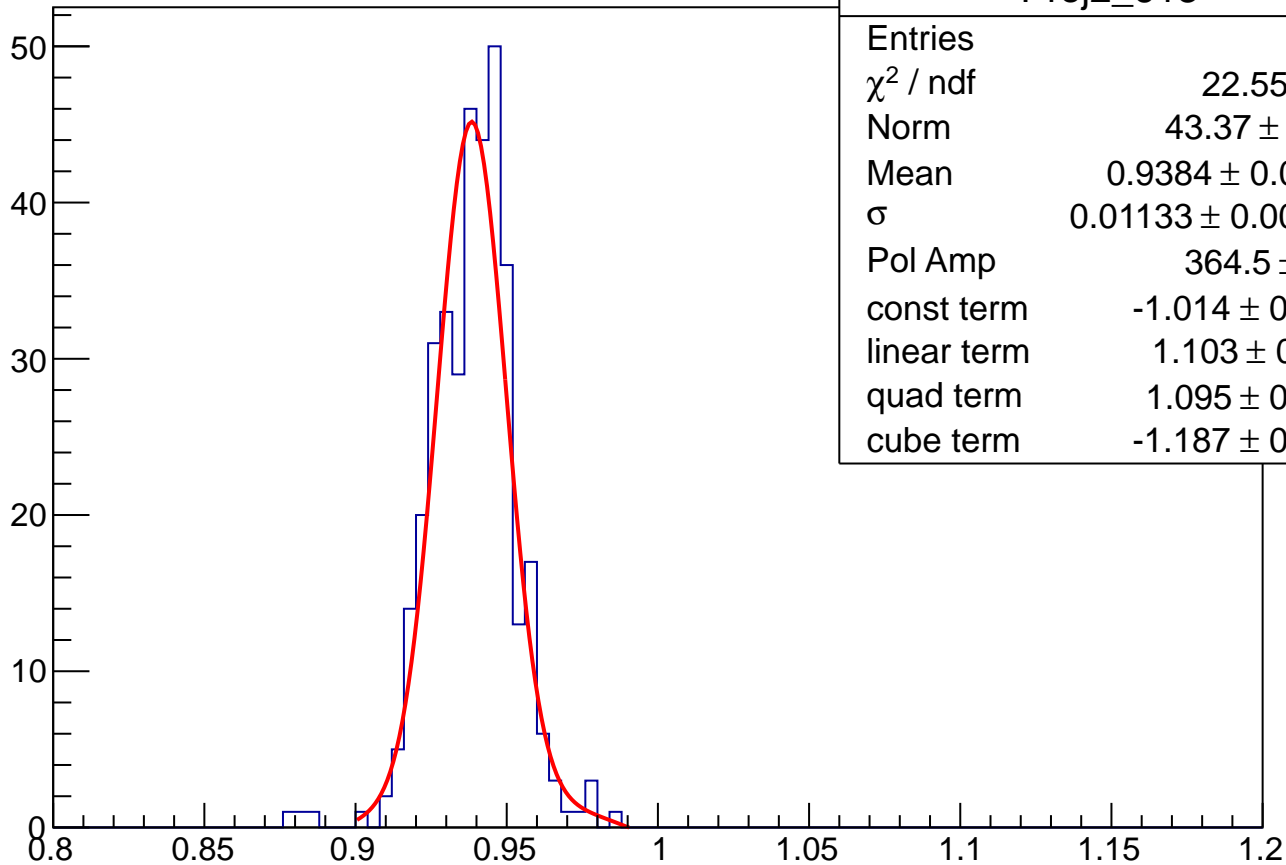
Proj2_611

Entries	732
χ^2 / ndf	9.395 / 12
Norm	95.54 ± 4.74
Mean	0.9337 ± 0.0005
σ	0.01145 ± 0.00045
Pol Amp	749.9 ± 653.4
const term	-0.7656 ± 0.0076
linear term	0.8264 ± 0.0084
quad term	0.8178 ± 0.0088
cube term	-0.8796 ± 0.0086

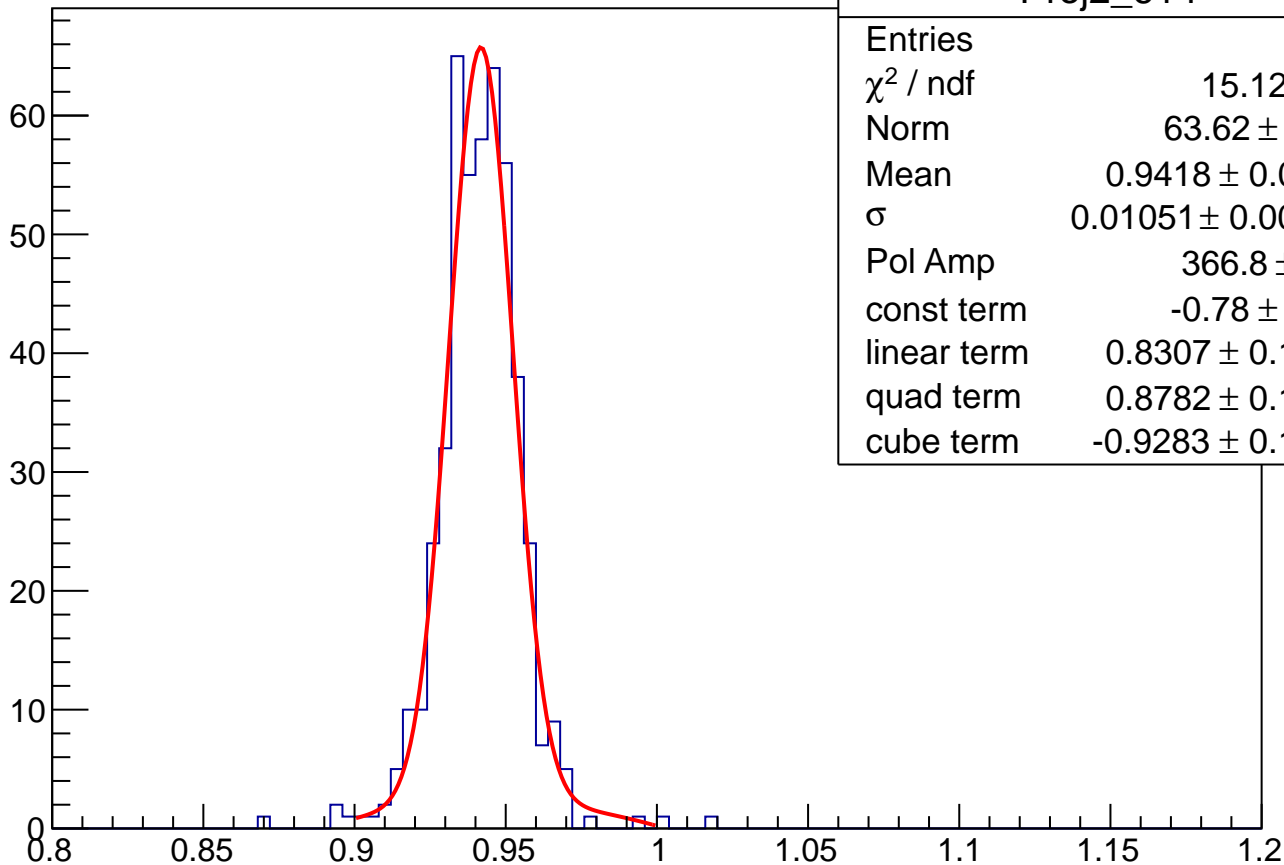
PhiThetaMassPim



PhiThetaMassPim



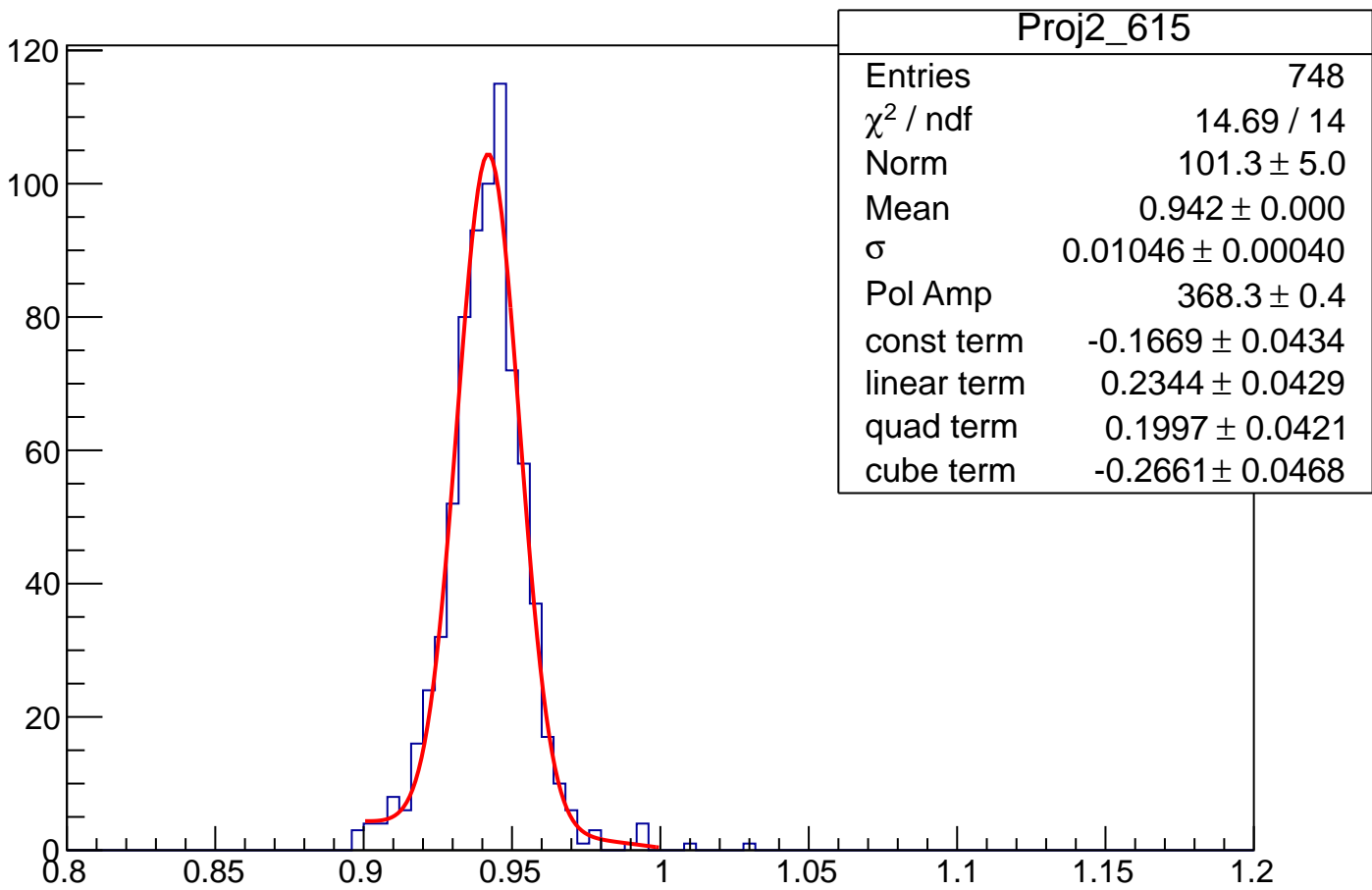
PhiThetaMassPim



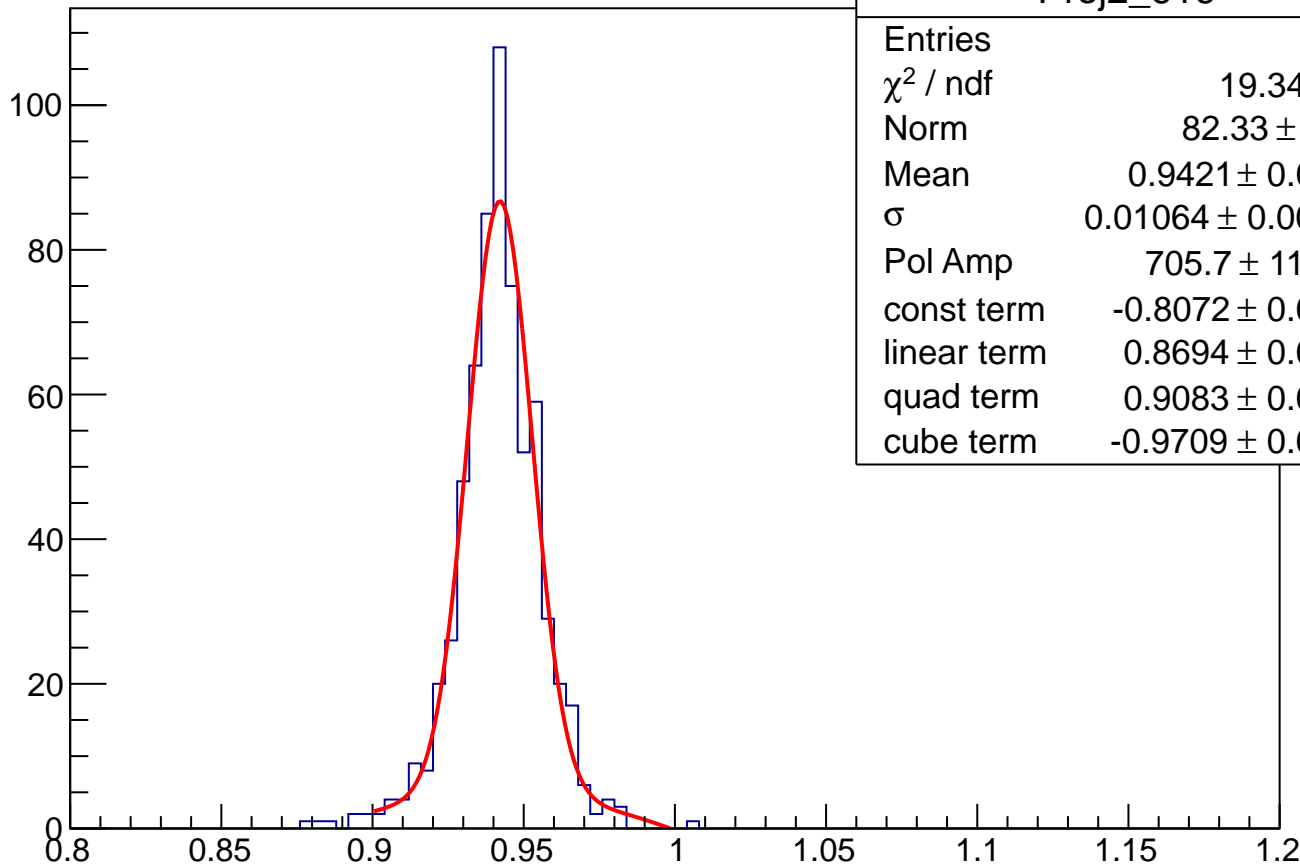
Proj2_614

Entries	474
χ^2 / ndf	15.12 / 12
Norm	63.62 ± 4.07
Mean	0.9418 ± 0.0006
σ	0.01051 ± 0.00044
Pol Amp	366.8 ± 0.5
const term	-0.78 ± 0.15
linear term	0.8307 ± 0.1553
quad term	0.8782 ± 0.1645
cube term	-0.9283 ± 0.1735

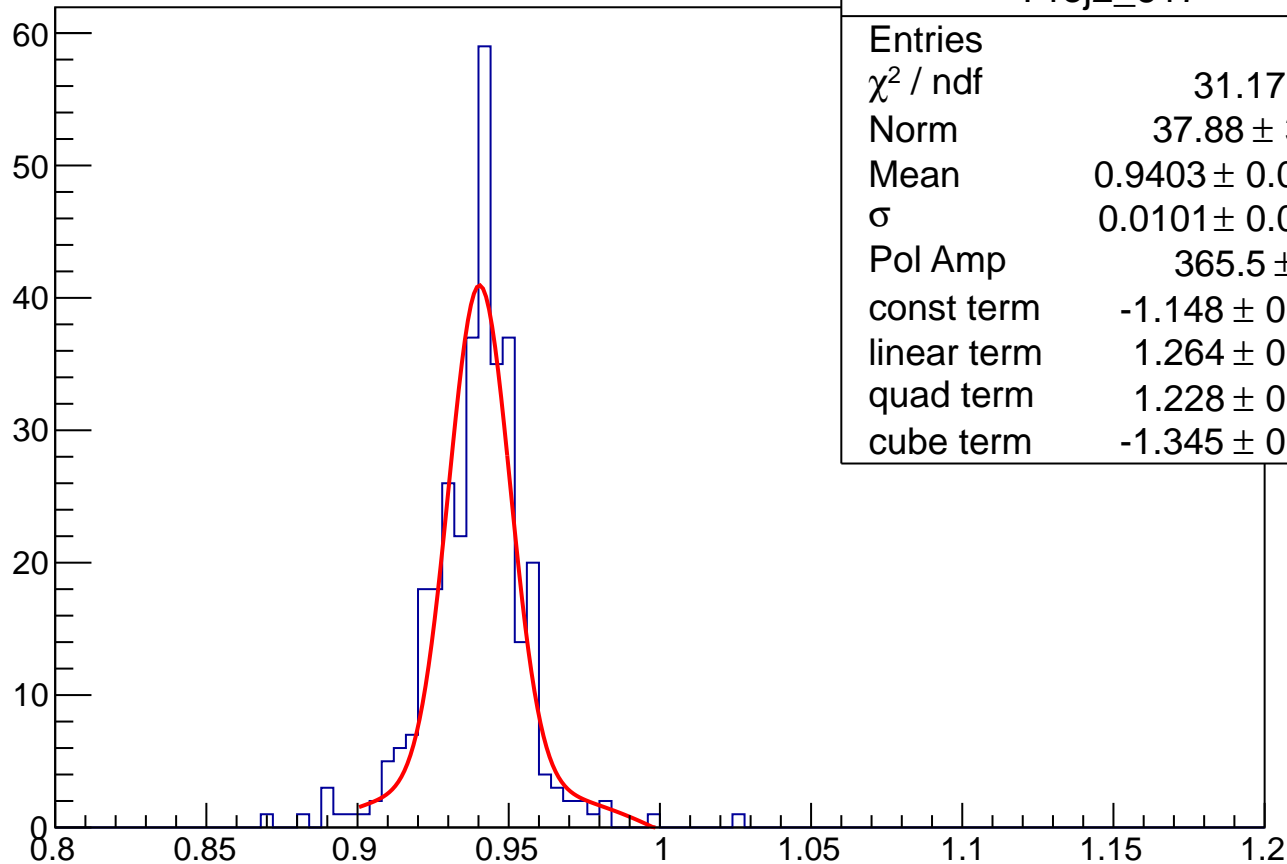
PhiThetaMassPim



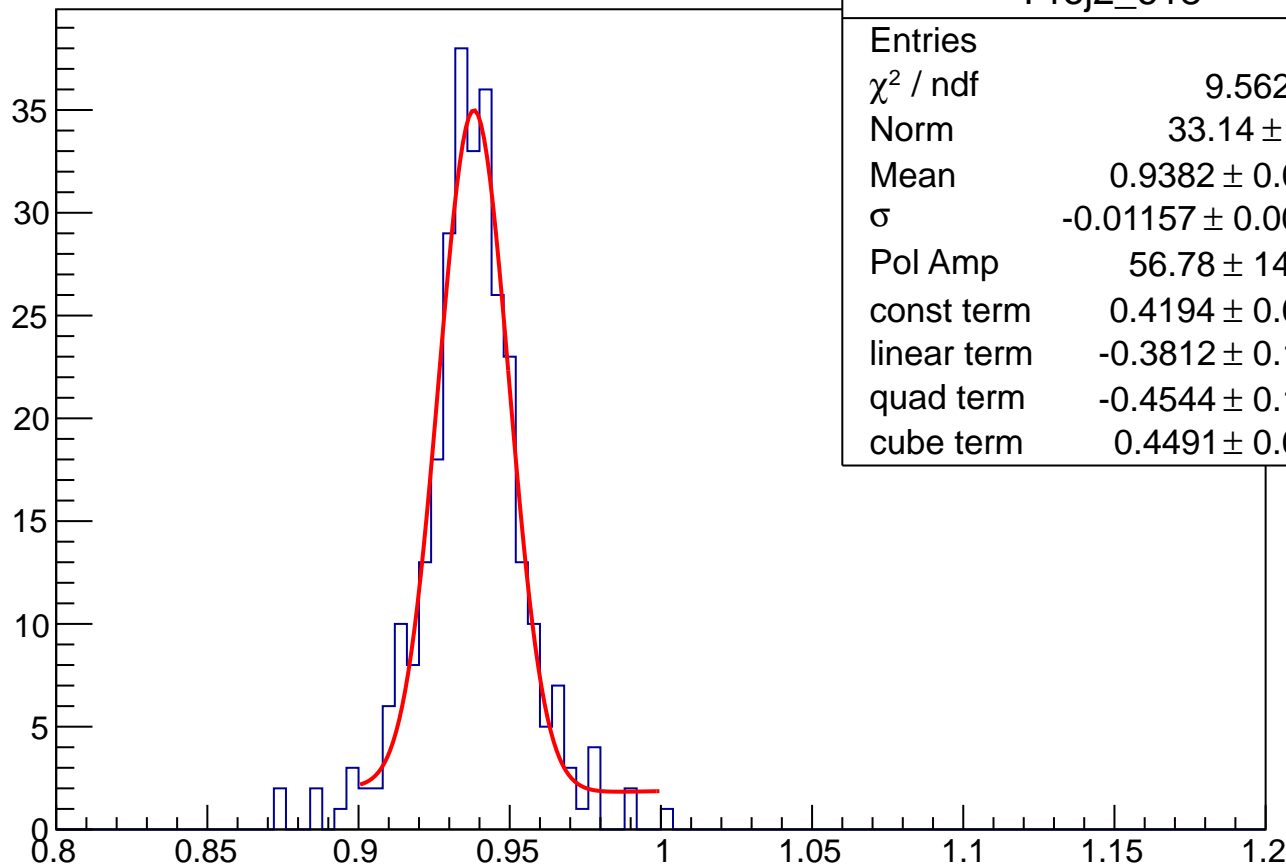
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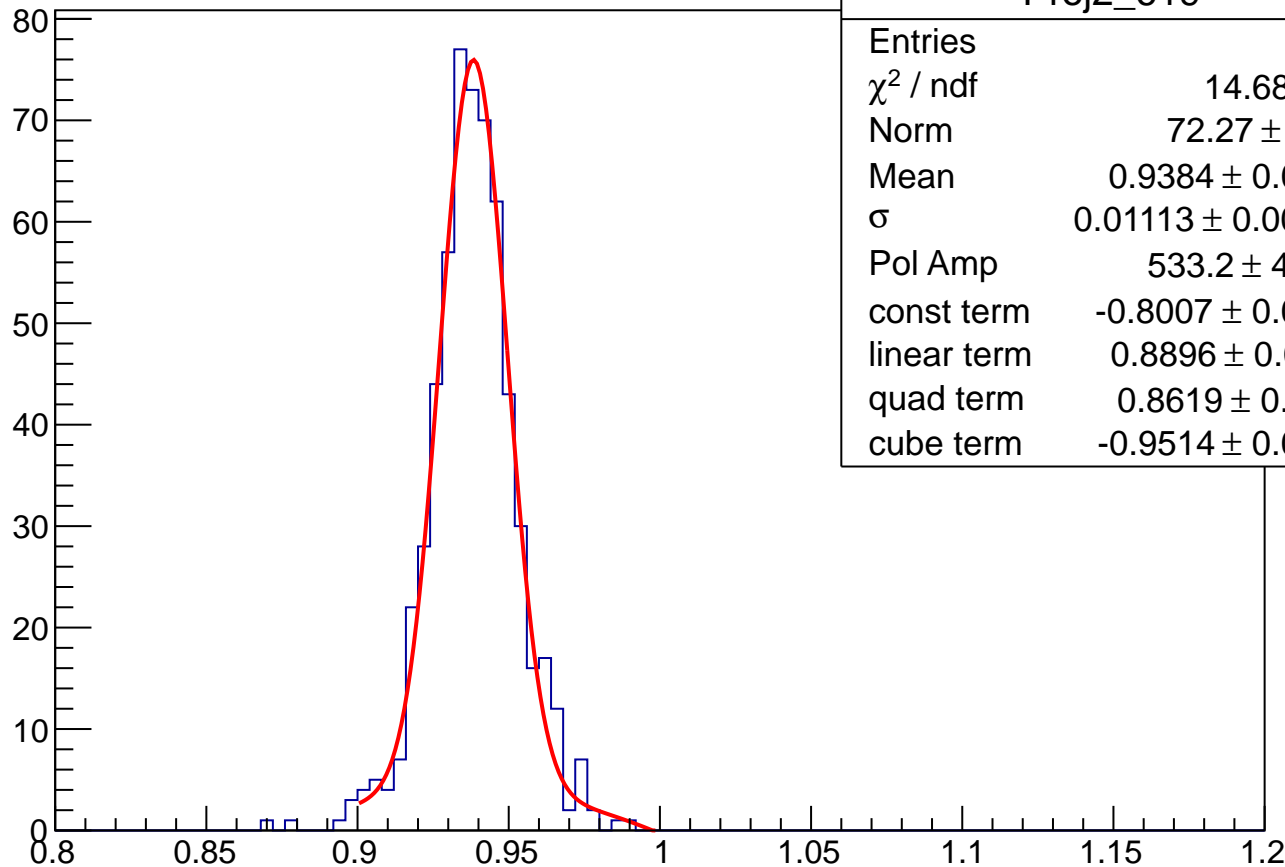
PhiThetaMassPim



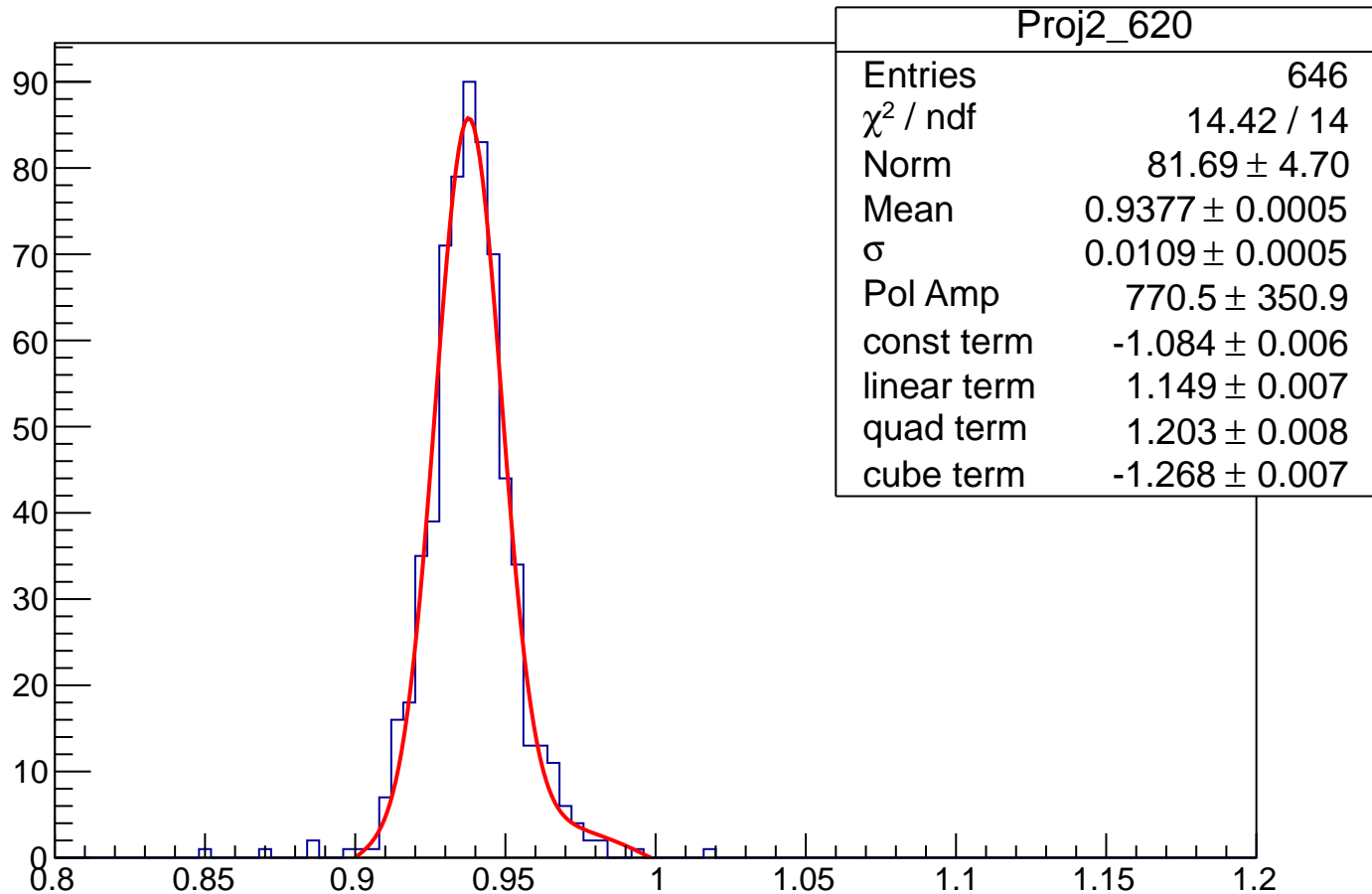
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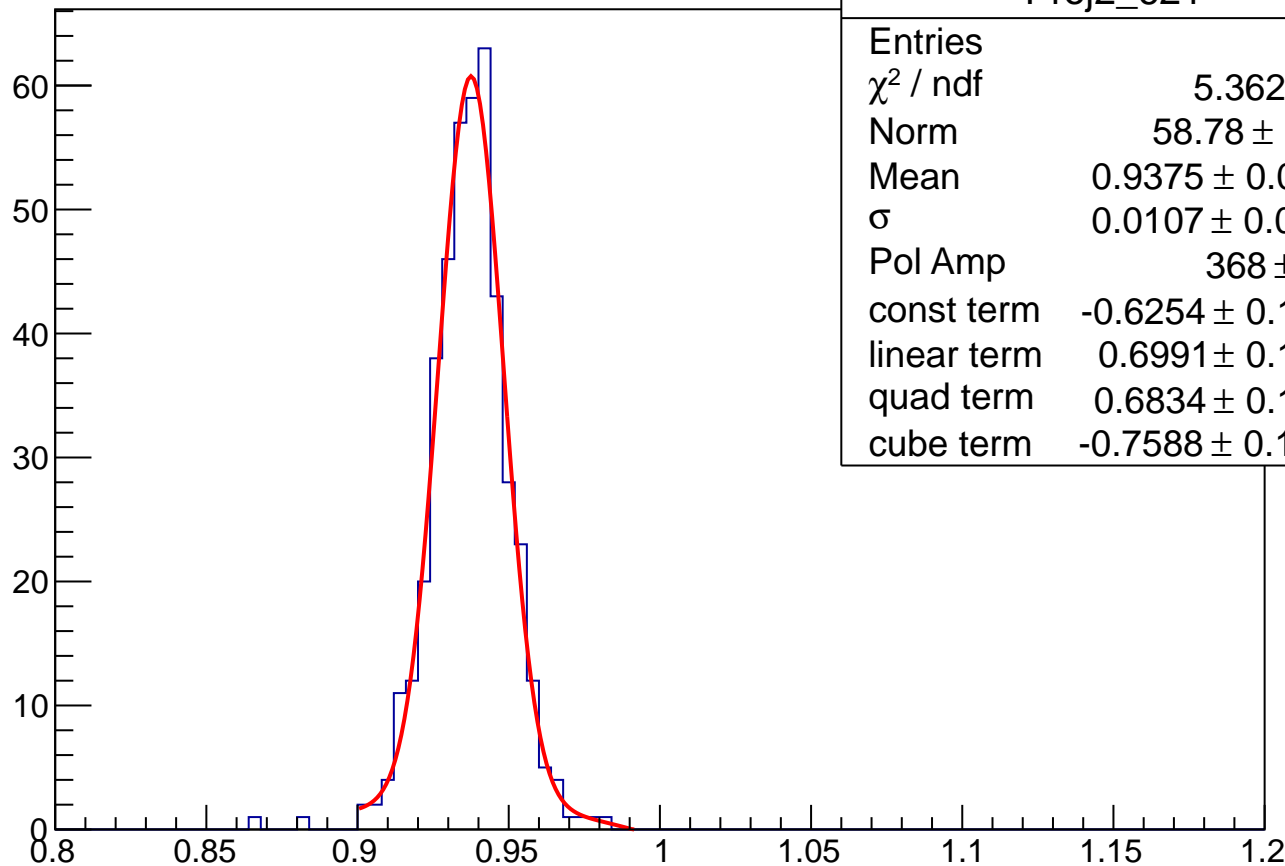
PhiThetaMassPim



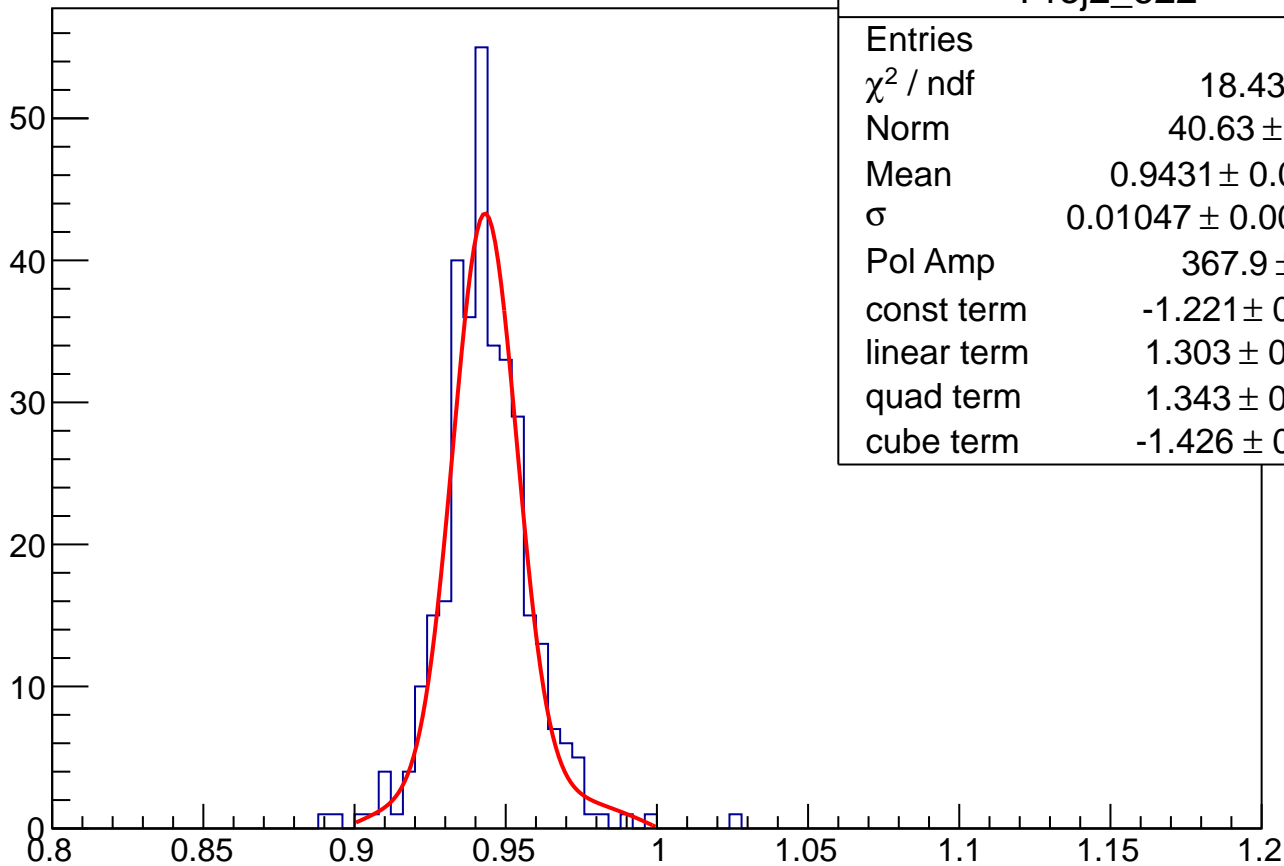
PhiThetaMassPim



PhiThetaMassPim



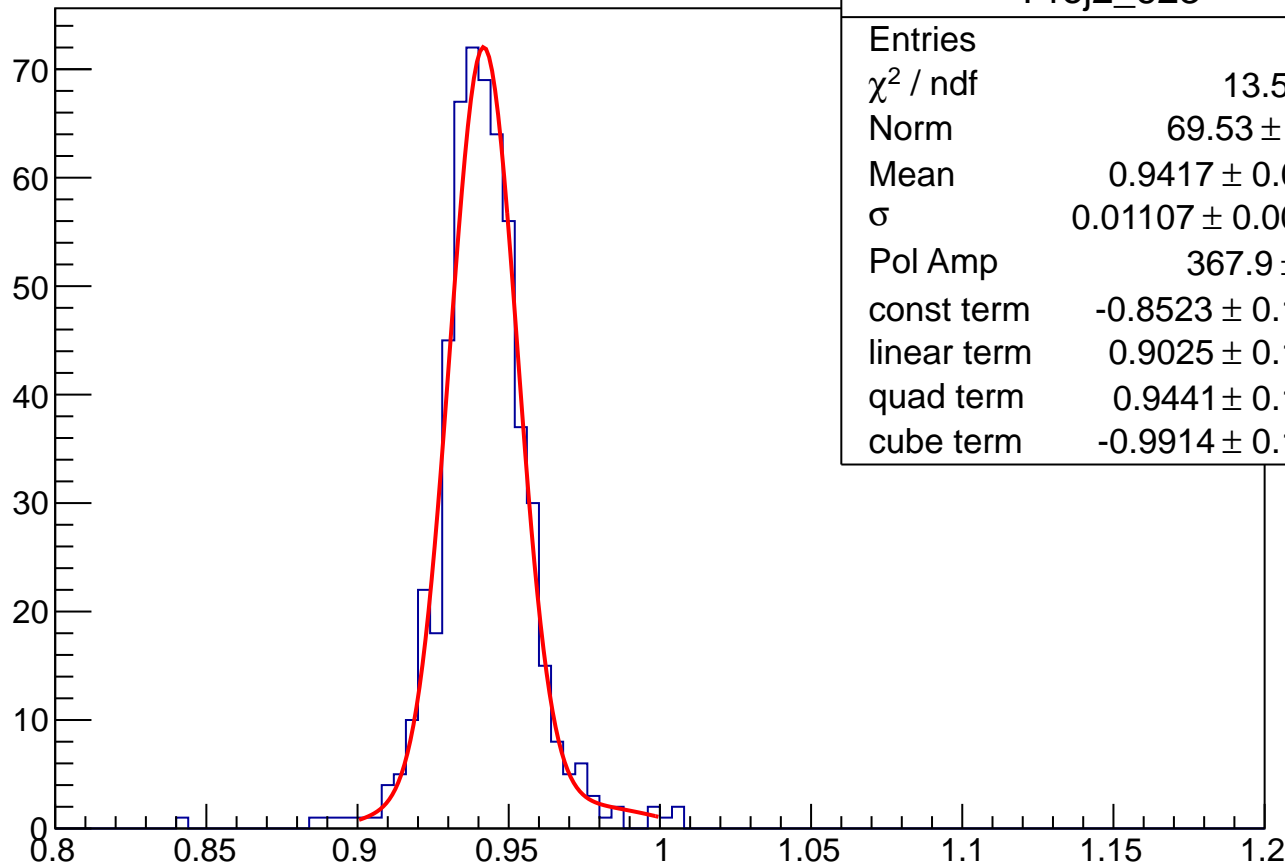
PhiThetaMassPim



Proj2_622

Entries	332
χ^2 / ndf	18.43 / 15
Norm	40.63 ± 3.31
Mean	0.9431 ± 0.0008
σ	0.01047 ± 0.00053
Pol Amp	367.9 ± 0.5
const term	-1.221 ± 0.261
linear term	1.303 ± 0.276
quad term	1.343 ± 0.285
cube term	-1.426 ± 0.301

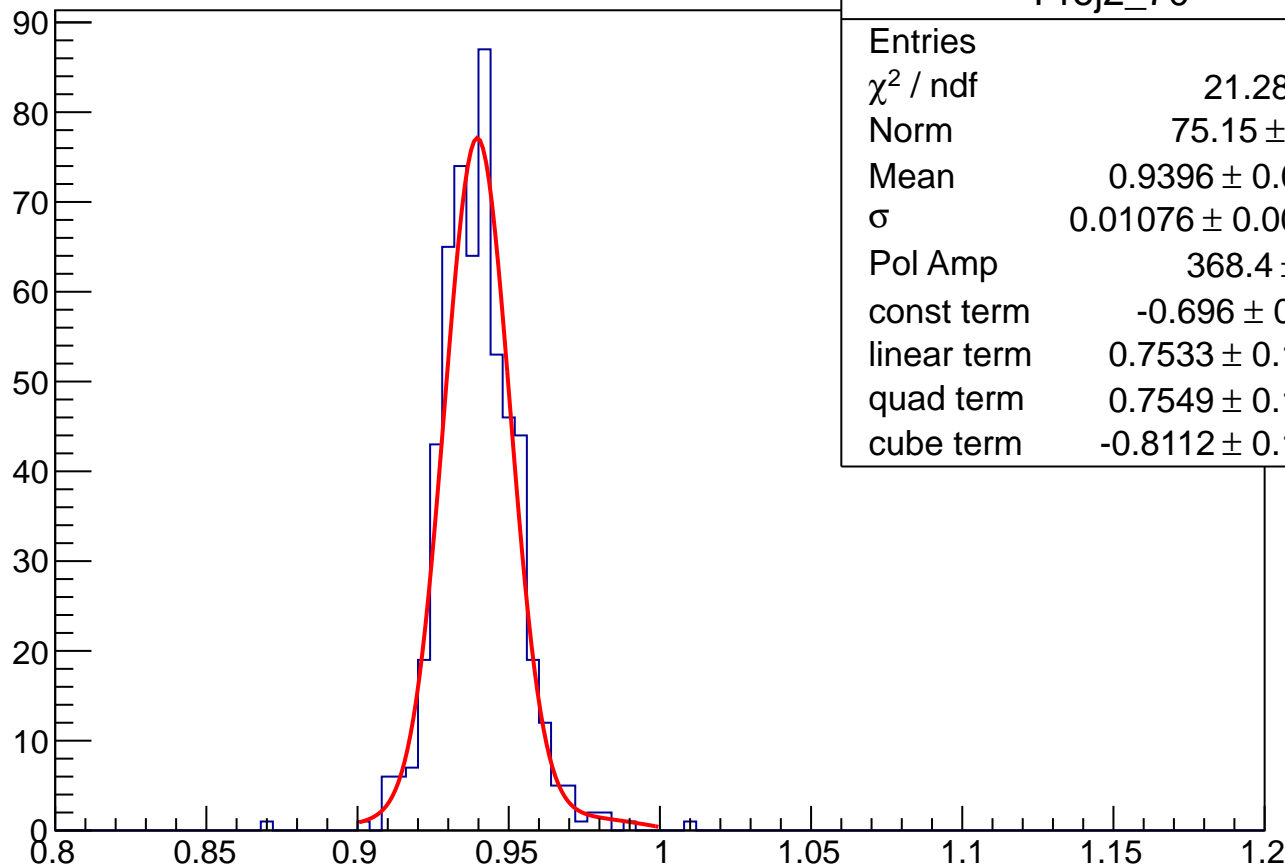
PhiThetaMassPim



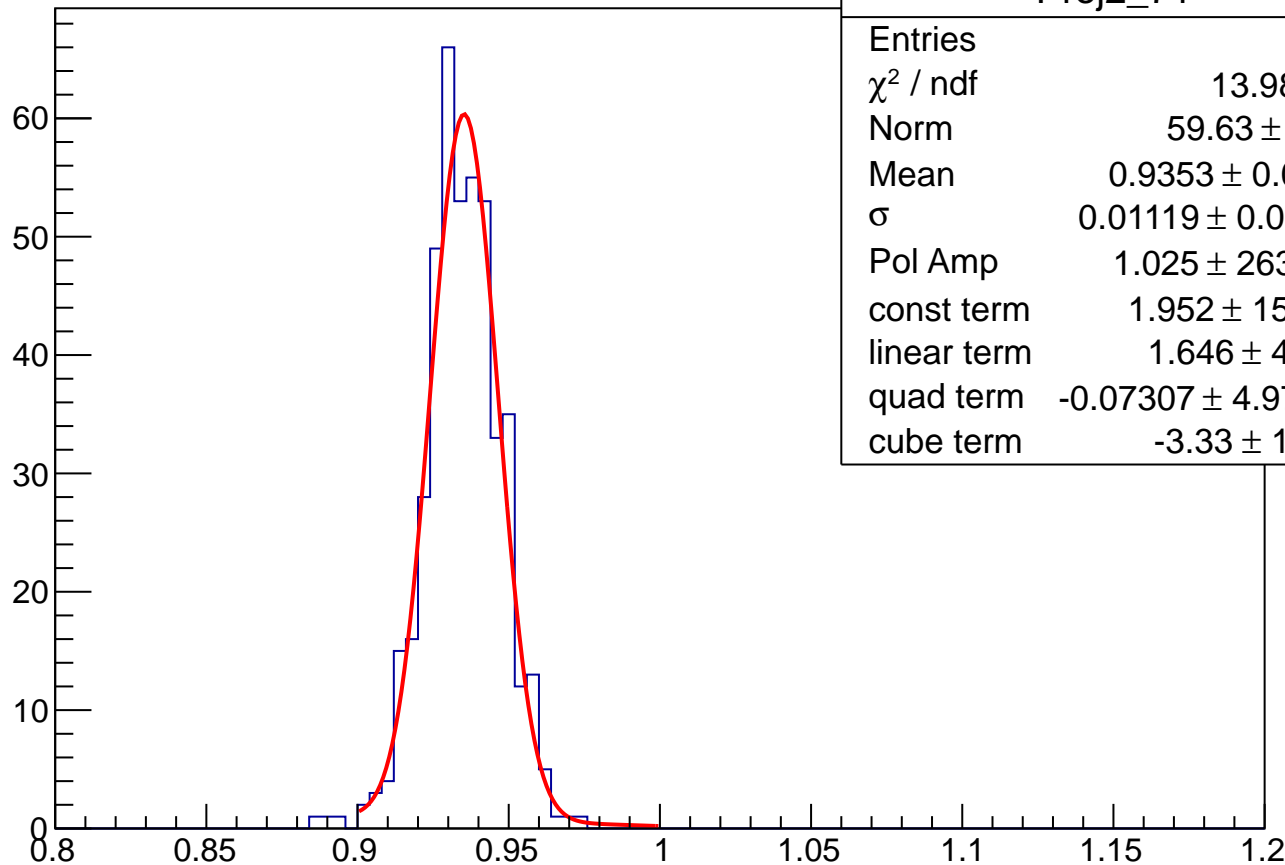
Proj2_623

Entries	551
χ^2 / ndf	13.5 / 15
Norm	69.53 ± 4.22
Mean	0.9417 ± 0.0006
σ	0.01107 ± 0.00047
Pol Amp	367.9 ± 0.4
const term	-0.8523 ± 0.1390
linear term	0.9025 ± 0.1459
quad term	0.9441 ± 0.1524
cube term	-0.9914 ± 0.1606

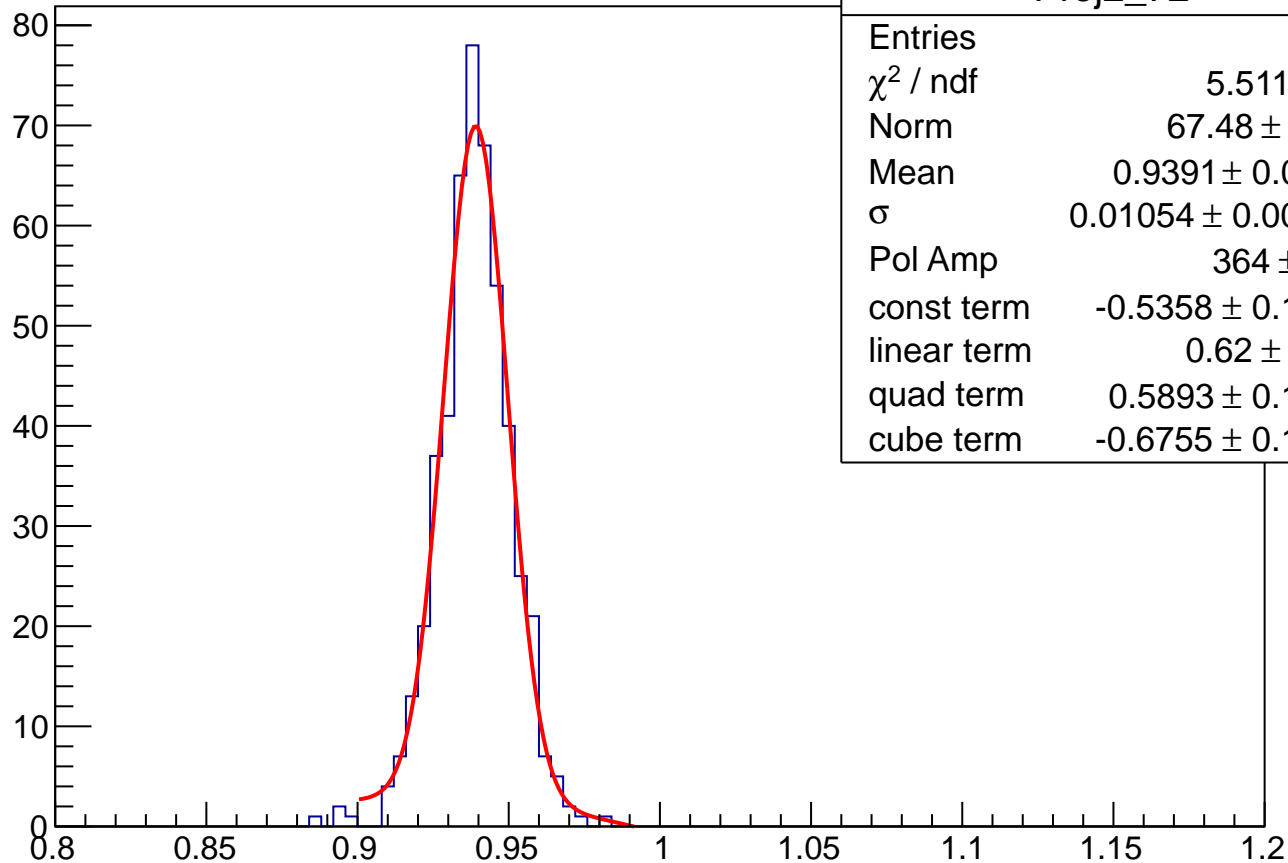
PhiThetaMassPim



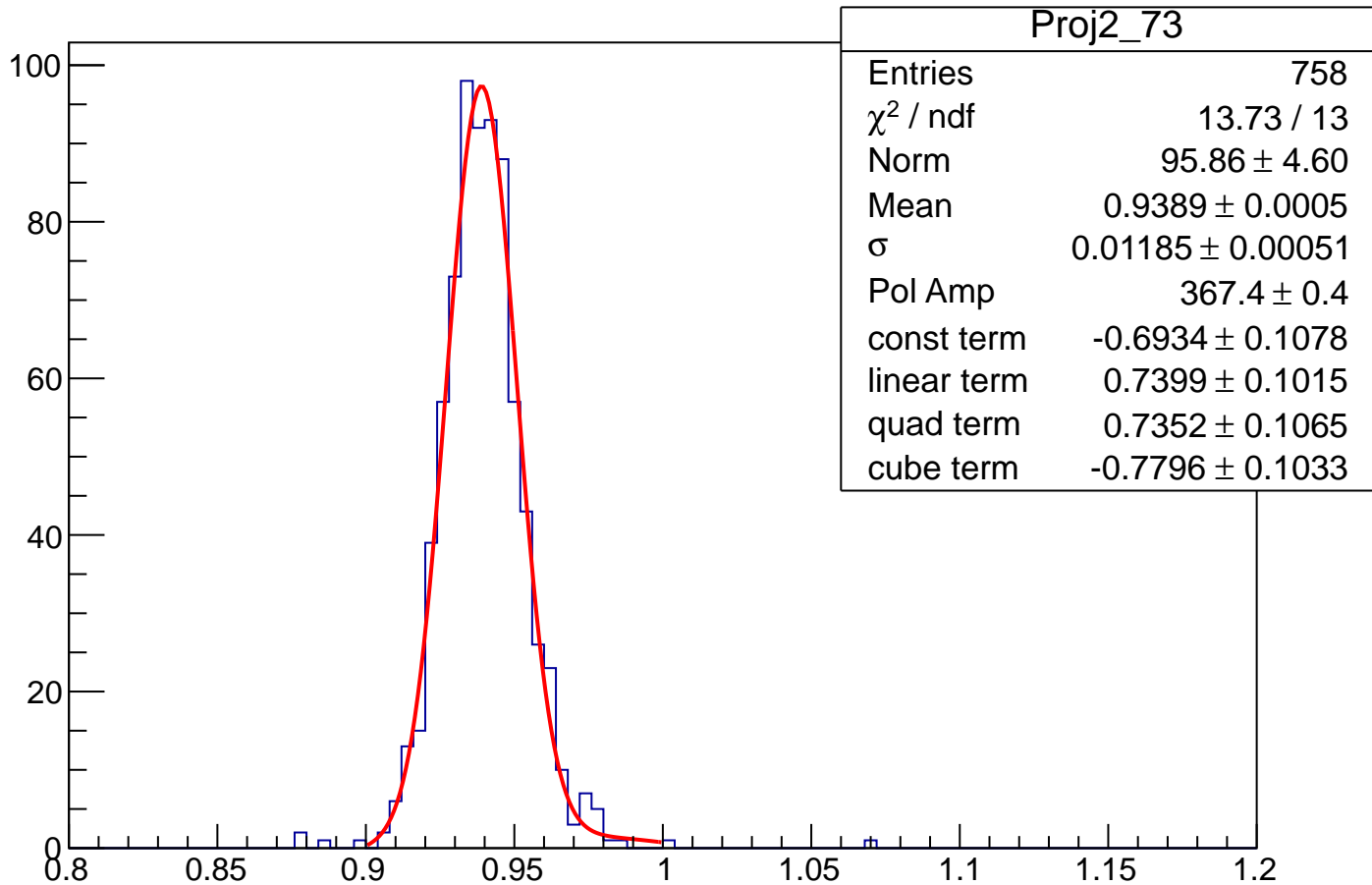
PhiThetaMassPim



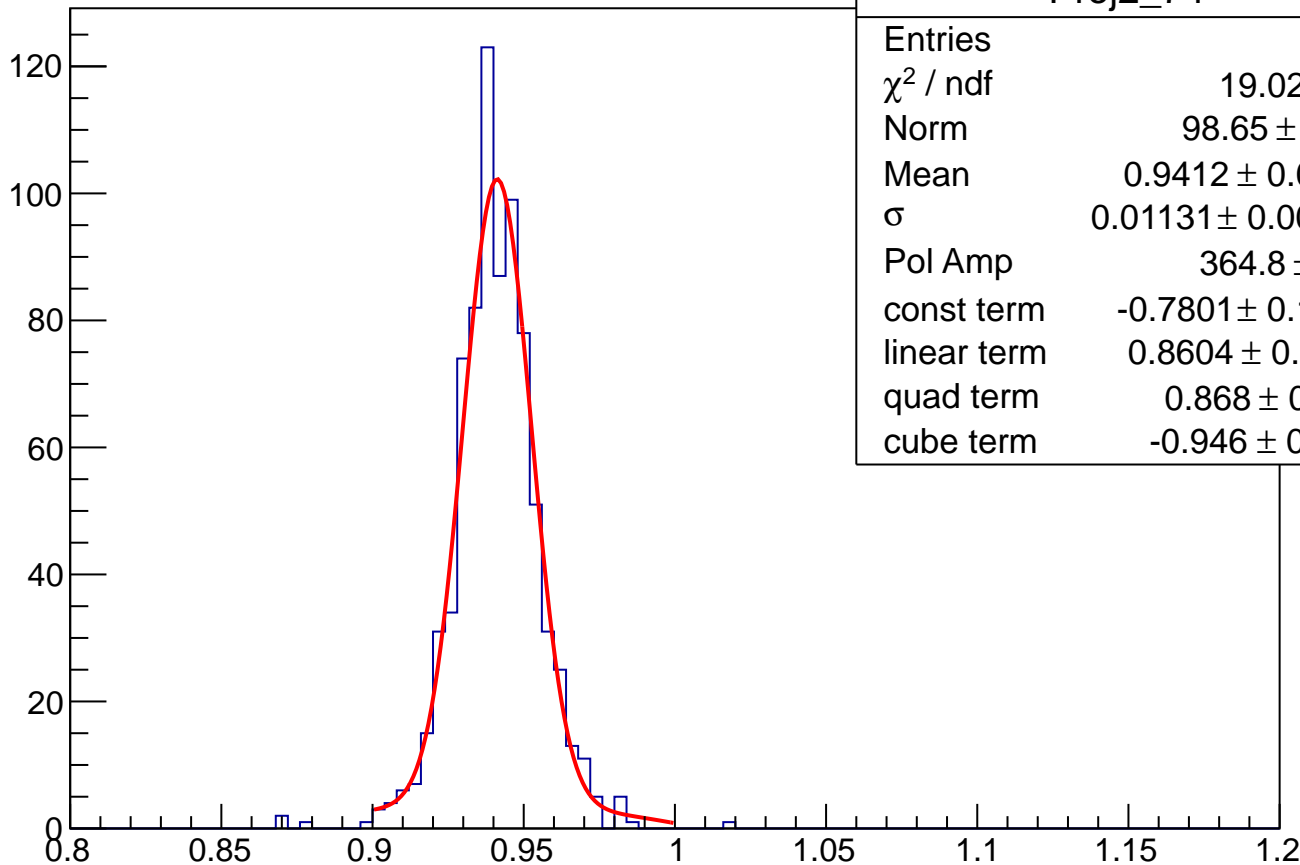
PhiThetaMassPim



PhiThetaMassPim



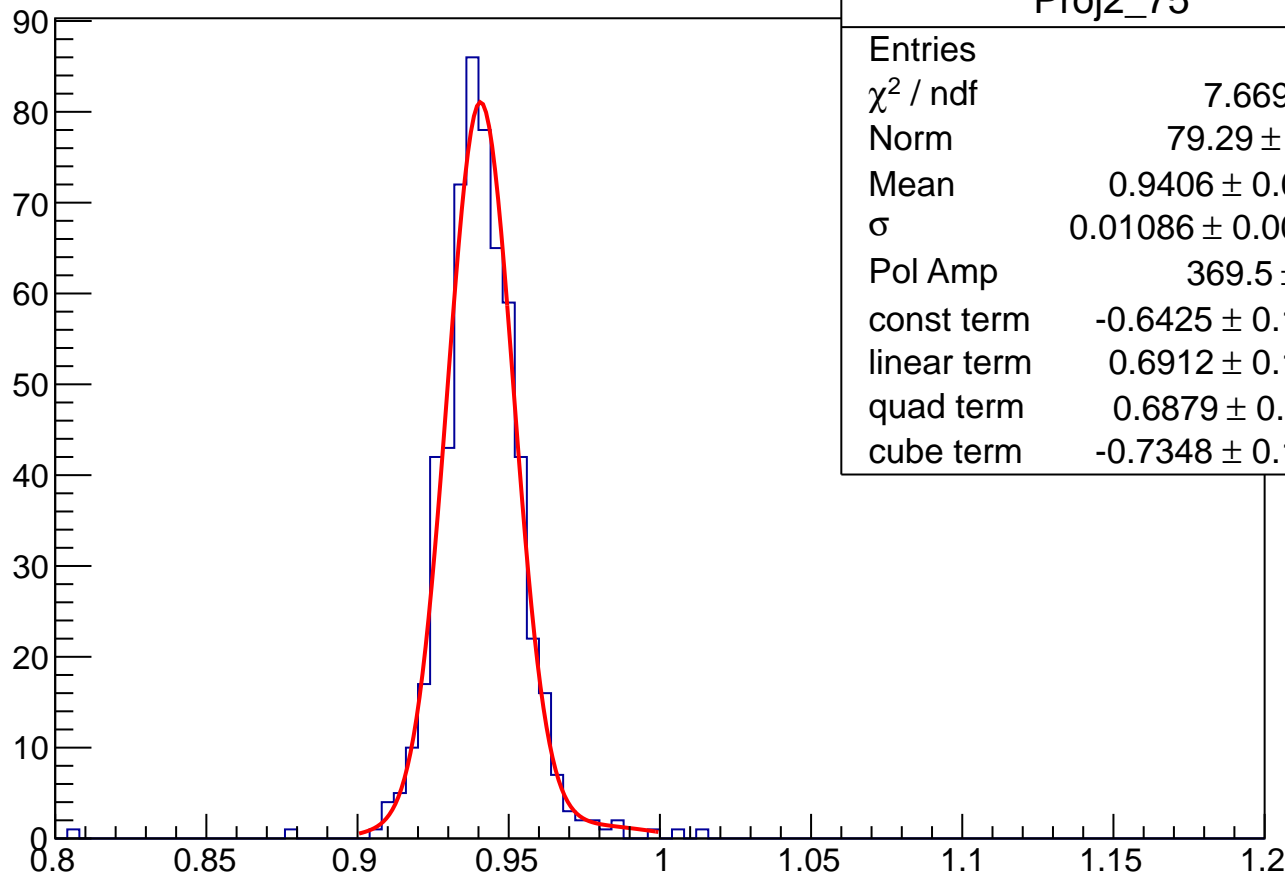
PhiThetaMassPim



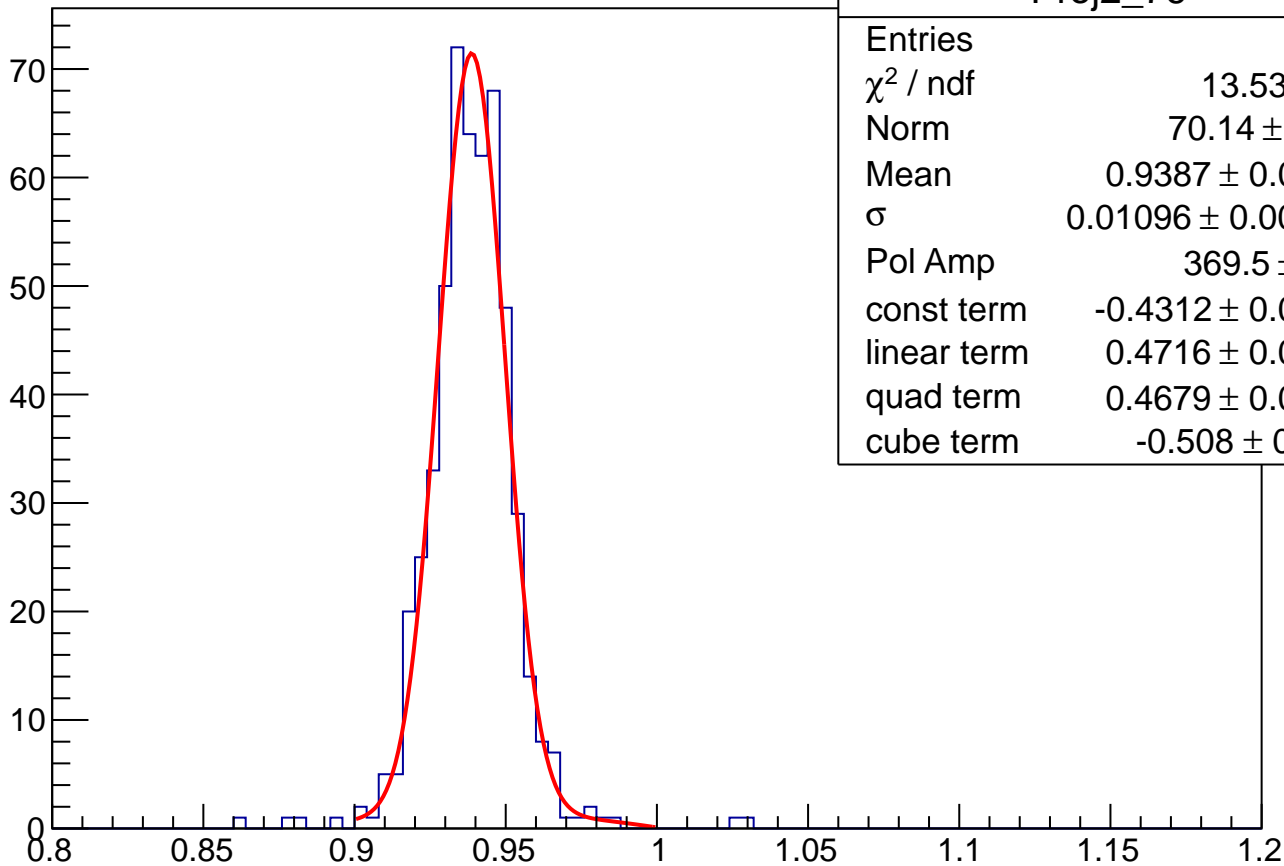
Proj2_74

Entries	790
χ^2 / ndf	19.02 / 13
Norm	98.65 ± 4.96
Mean	0.9412 ± 0.0005
σ	0.01131 ± 0.00046
Pol Amp	364.8 ± 0.5
const term	-0.7801 ± 0.1089
linear term	0.8604 ± 0.1118
quad term	0.868 ± 0.116
cube term	-0.946 ± 0.122

PhiThetaMassPim



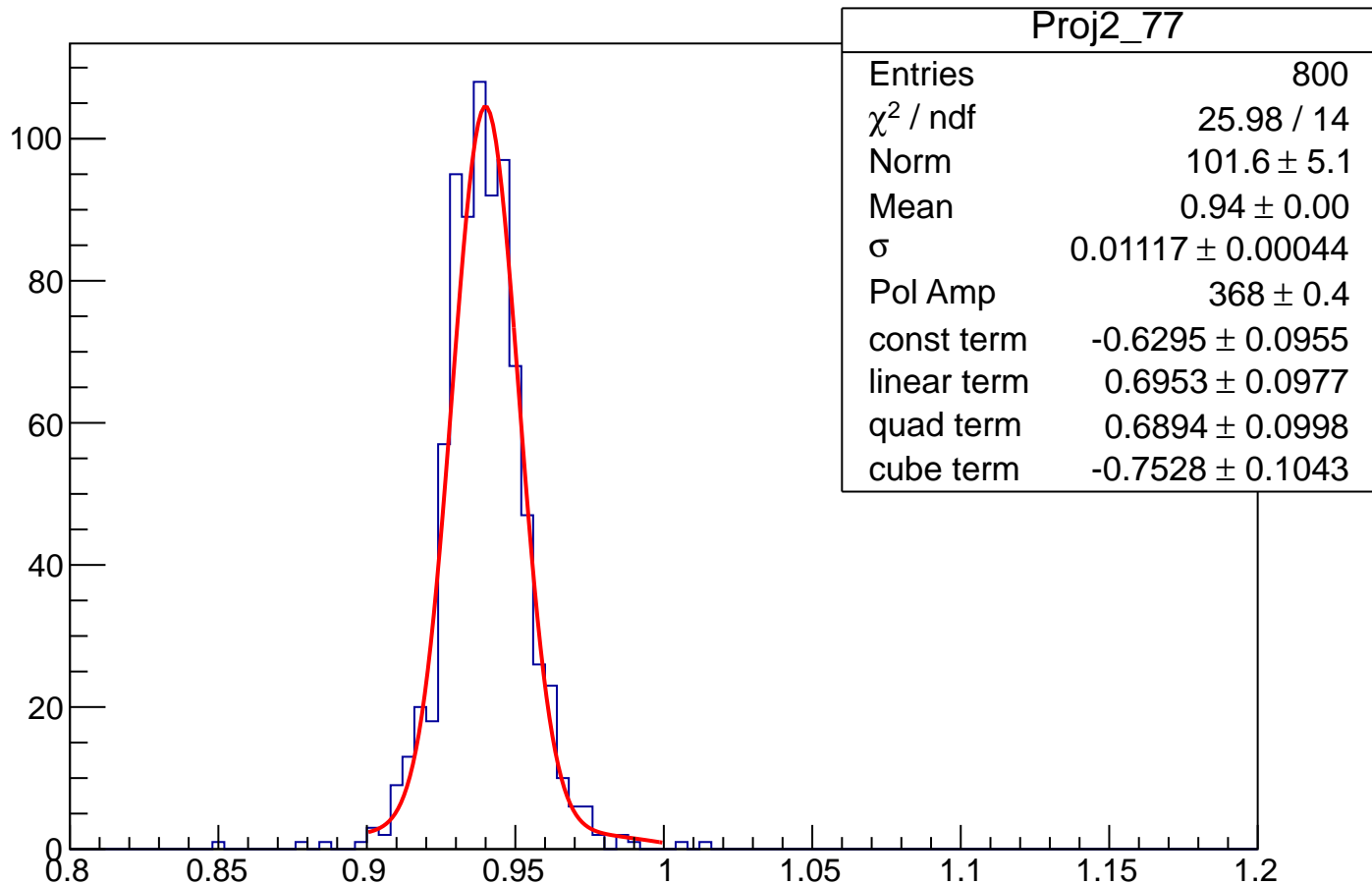
PhiThetaMassPim



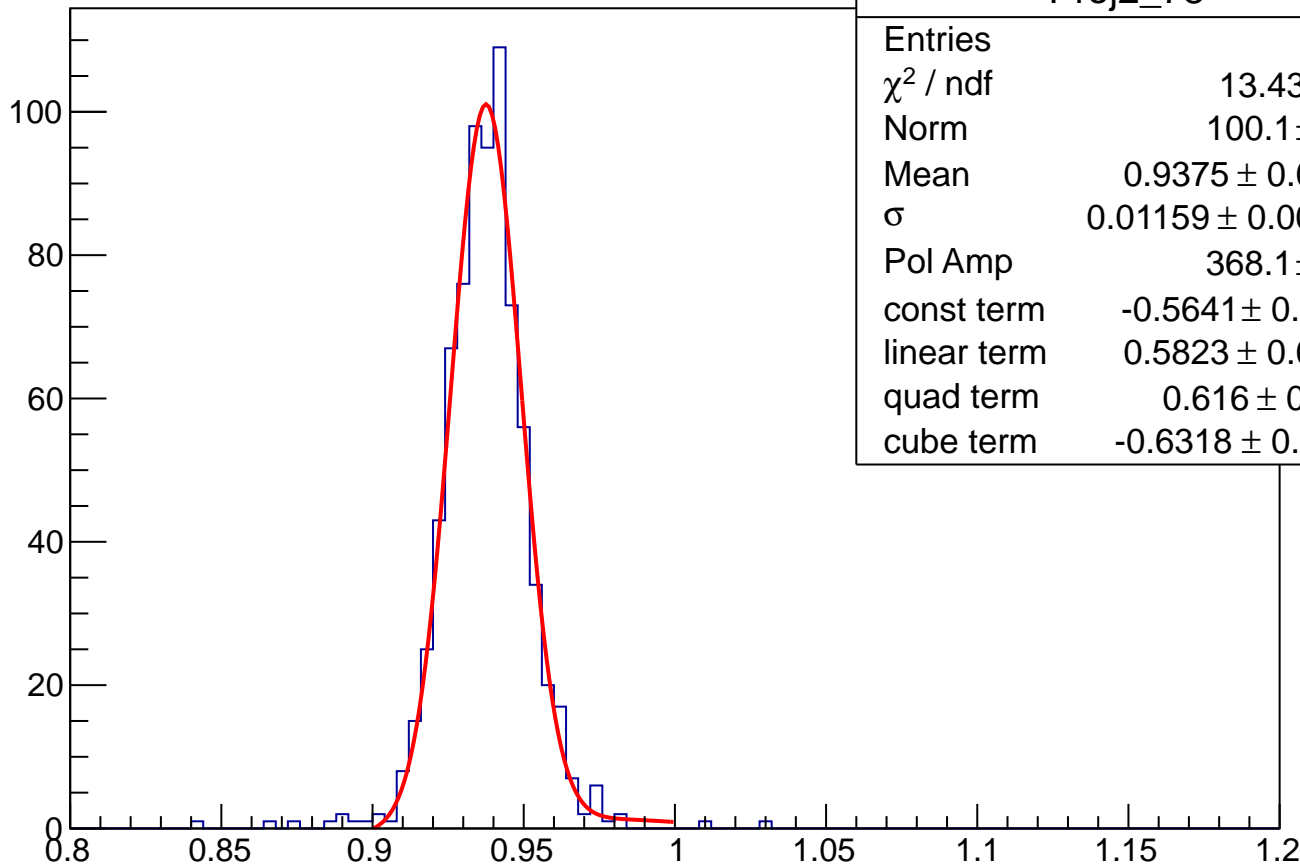
Proj2_76

Entries	525
χ^2 / ndf	13.53 / 14
Norm	70.14 ± 4.01
Mean	0.9387 ± 0.0006
σ	0.01096 ± 0.00046
Pol Amp	369.5 ± 0.4
const term	-0.4312 ± 0.0904
linear term	0.4716 ± 0.0943
quad term	0.4679 ± 0.0953
cube term	-0.508 ± 0.101

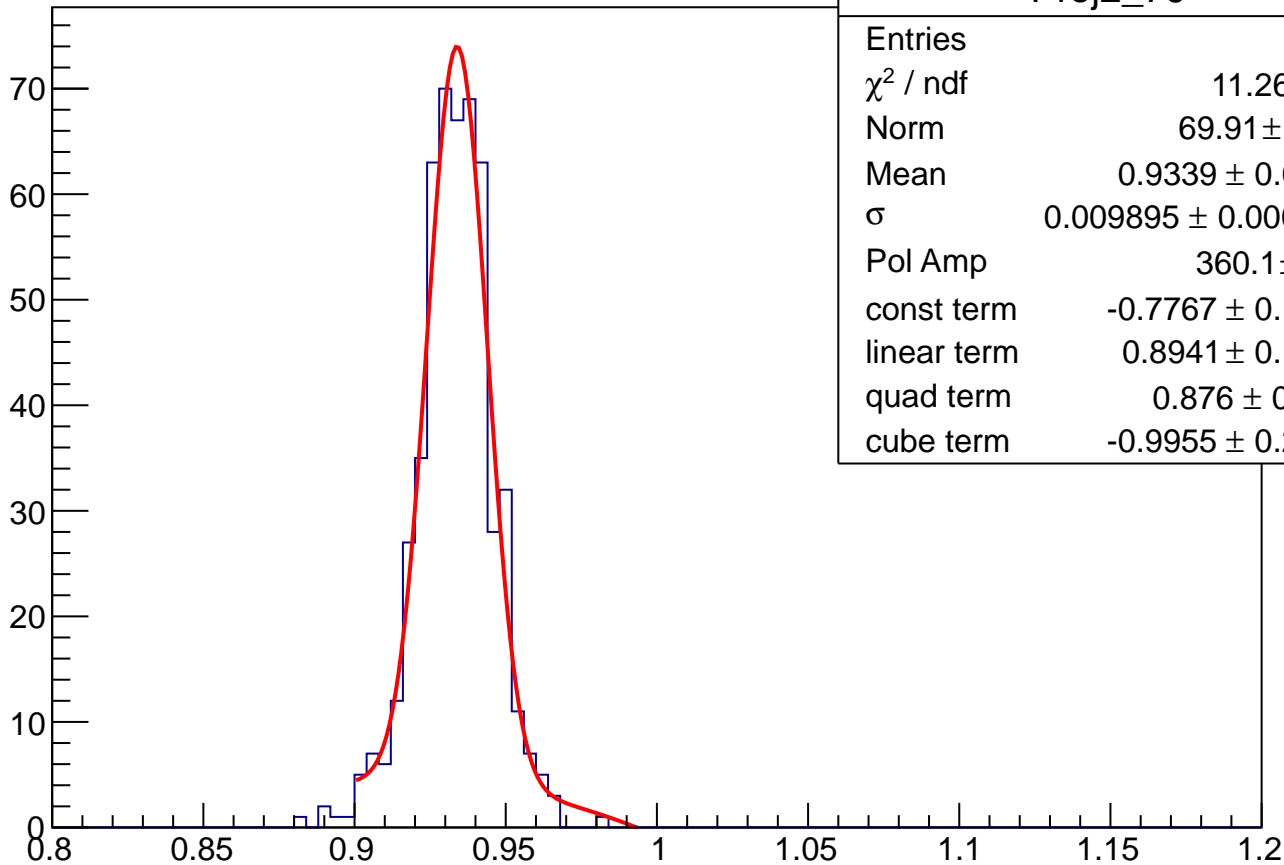
PhiThetaMassPim



PhiThetaMassPim



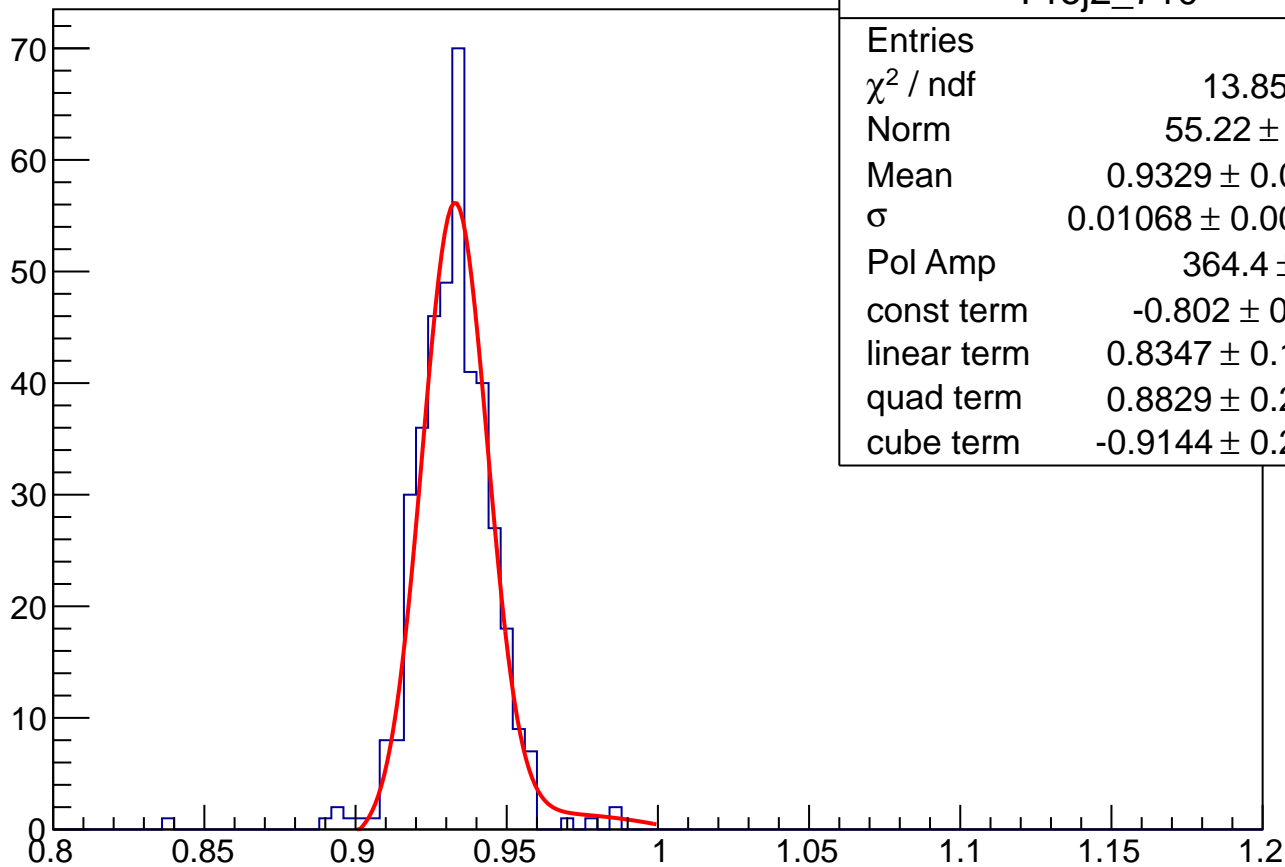
PhiThetaMassPim



Proj2_79

Entries	516
χ^2 / ndf	11.26 / 10
Norm	69.91 ± 4.45
Mean	0.9339 ± 0.0006
σ	0.009895 ± 0.000526
Pol Amp	360.1 ± 0.9
const term	-0.7767 ± 0.1889
linear term	0.8941 ± 0.1894
quad term	0.876 ± 0.197
cube term	-0.9955 ± 0.2003

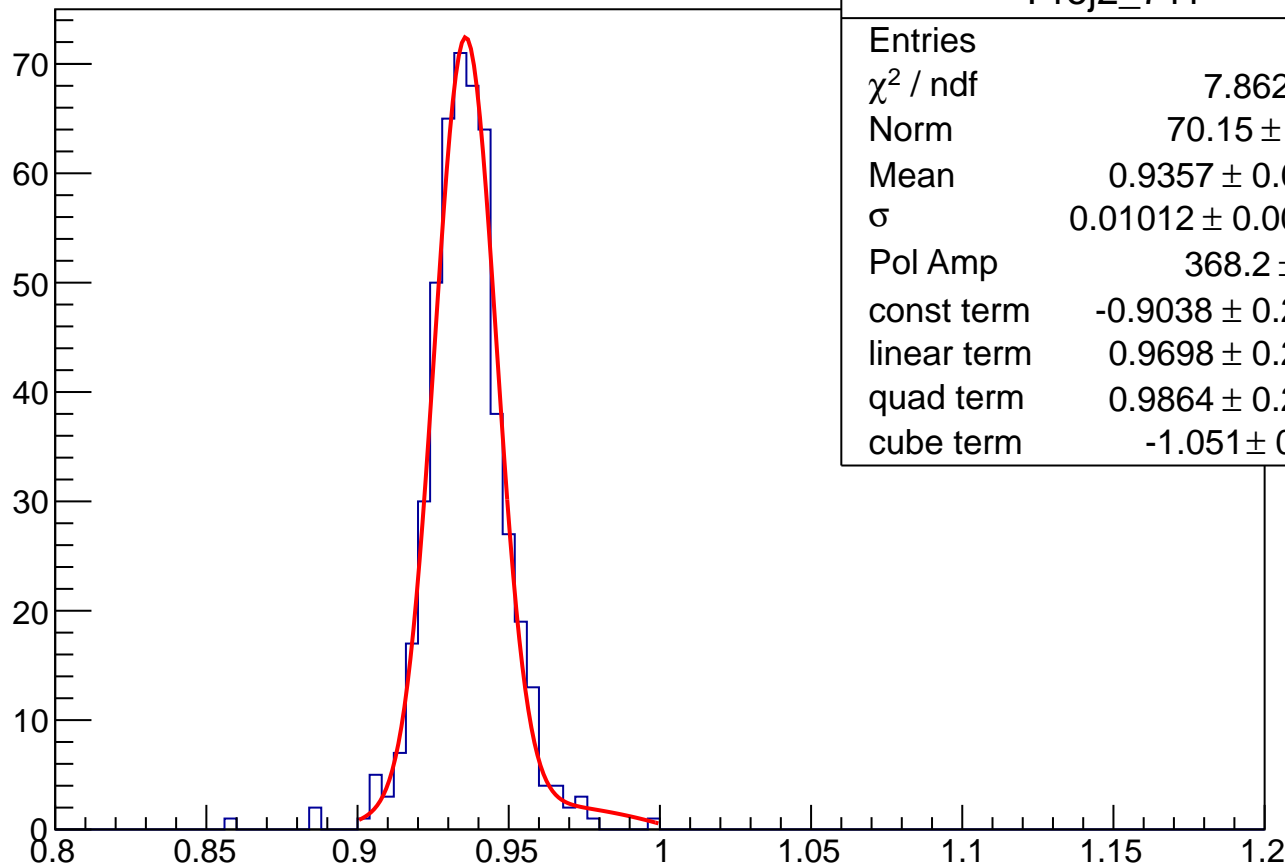
PhiThetaMassPim



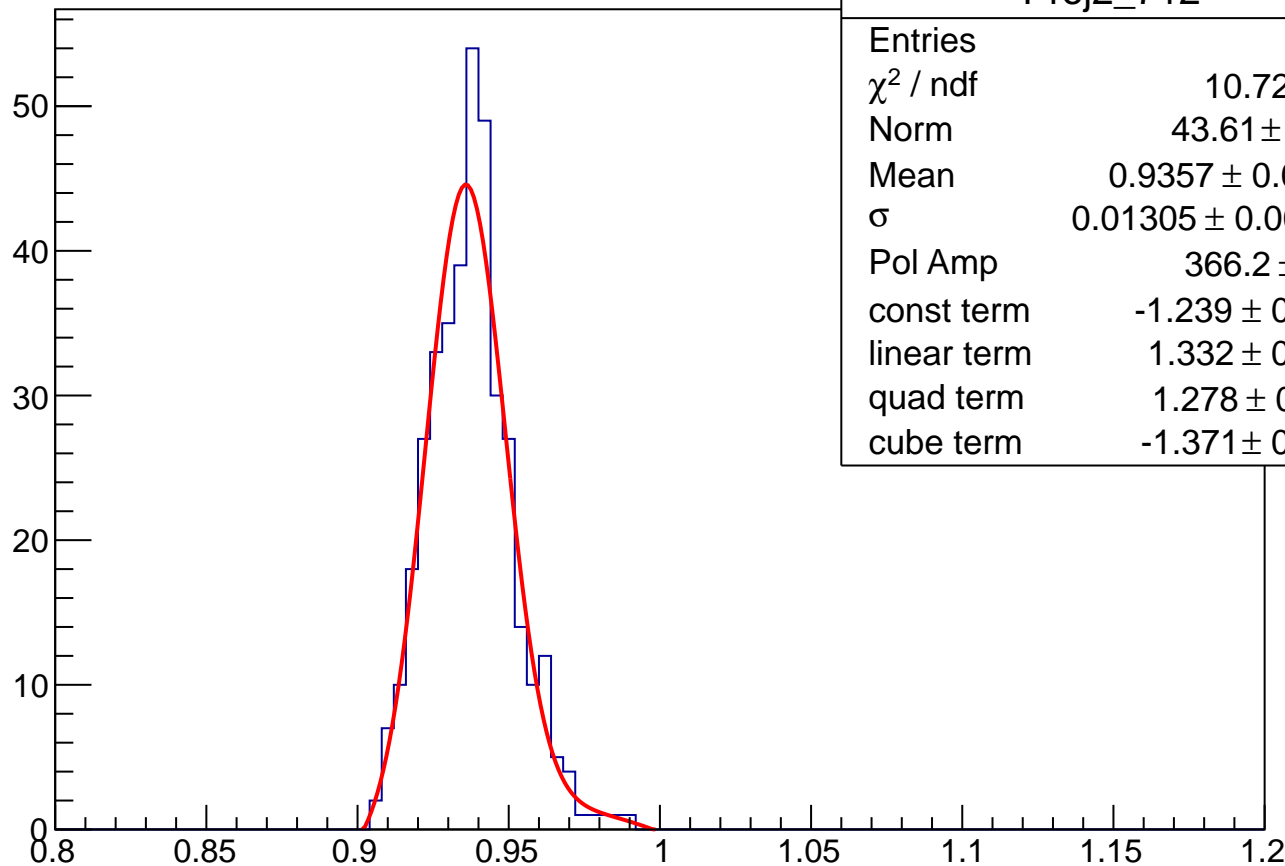
Proj2_710

Entries	400
χ^2 / ndf	13.85 / 10
Norm	55.22 ± 3.68
Mean	0.9329 ± 0.0007
σ	0.01068 ± 0.00056
Pol Amp	364.4 ± 0.8
const term	-0.802 ± 0.192
linear term	0.8347 ± 0.1953
quad term	0.8829 ± 0.2080
cube term	-0.9144 ± 0.2123

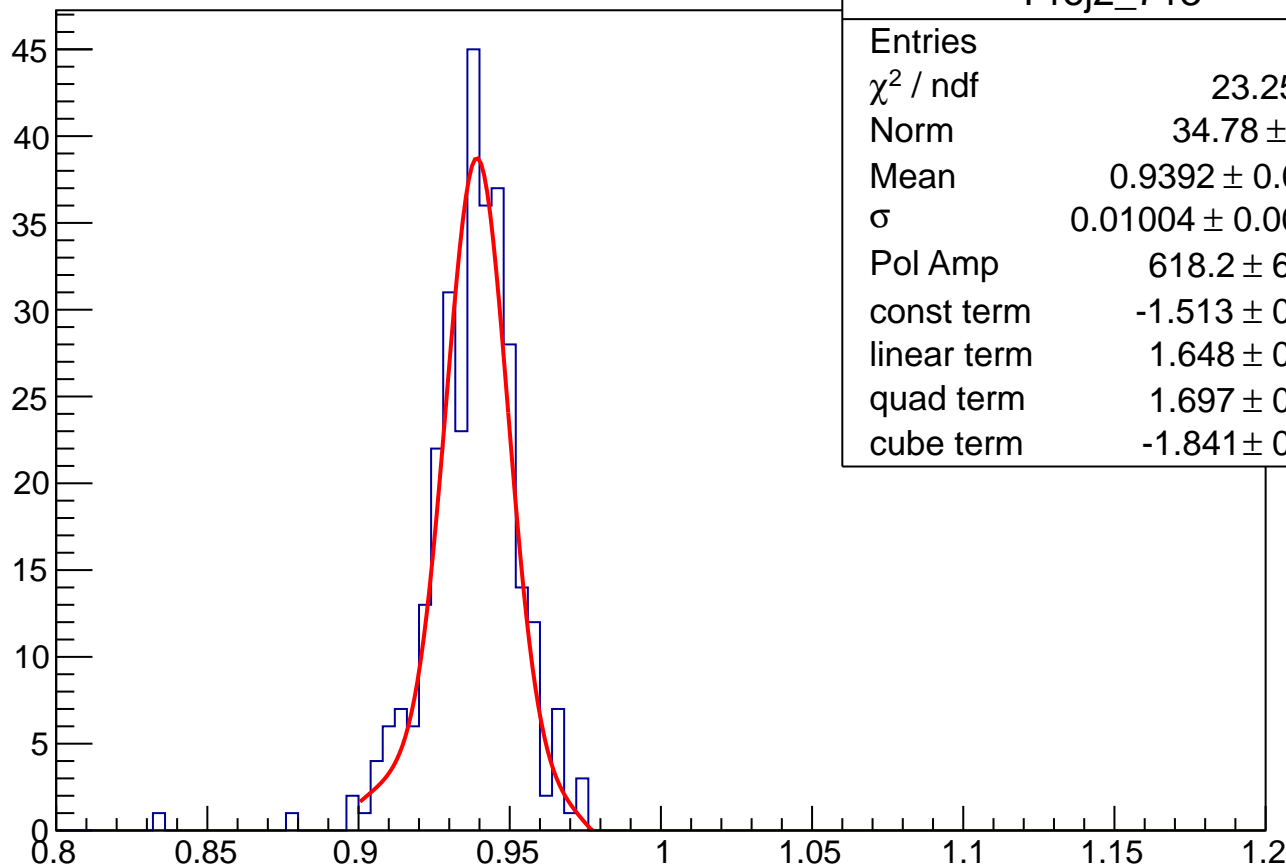
PhiThetaMassPim



PhiThetaMassPim



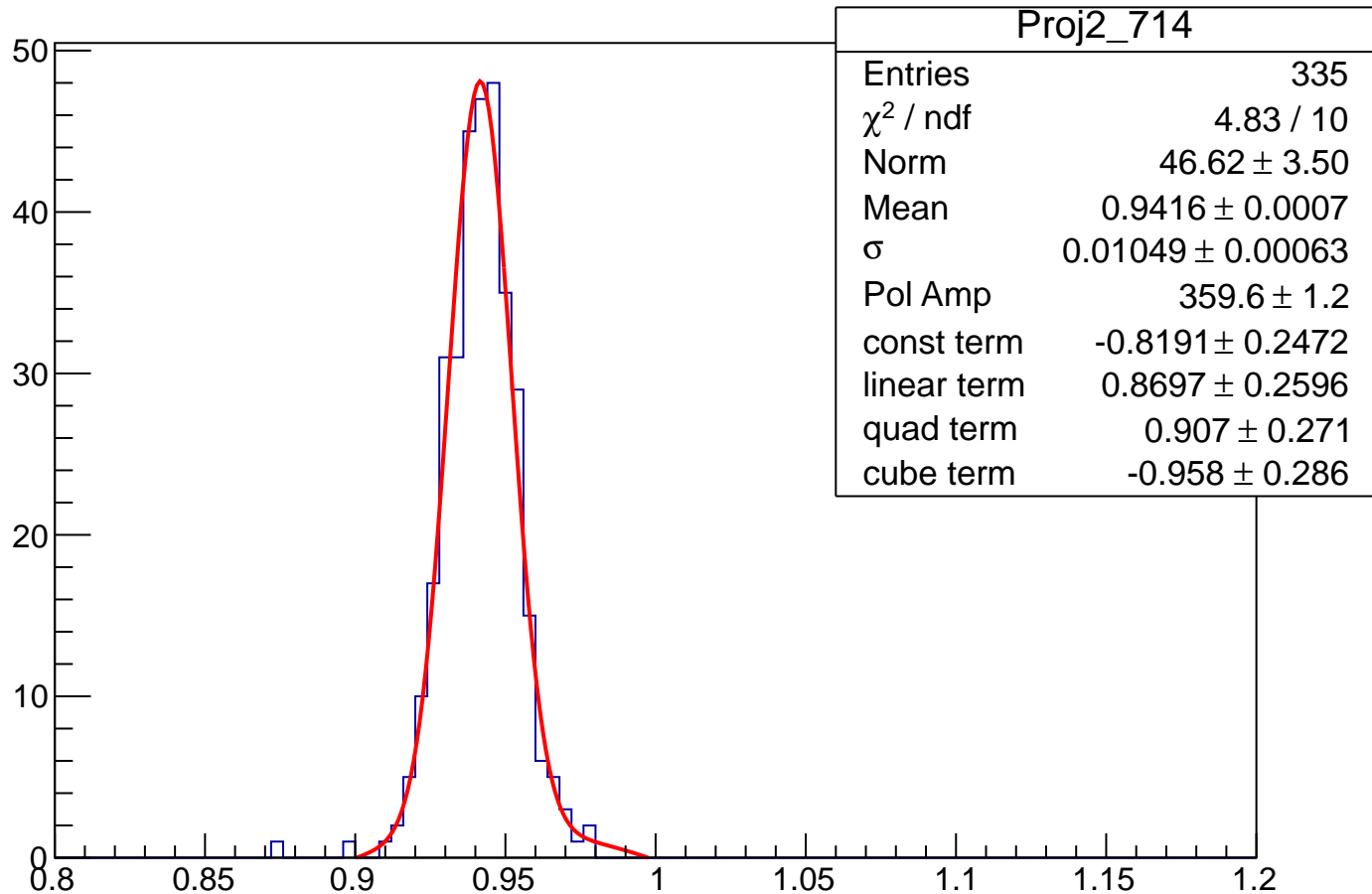
PhiThetaMassPim



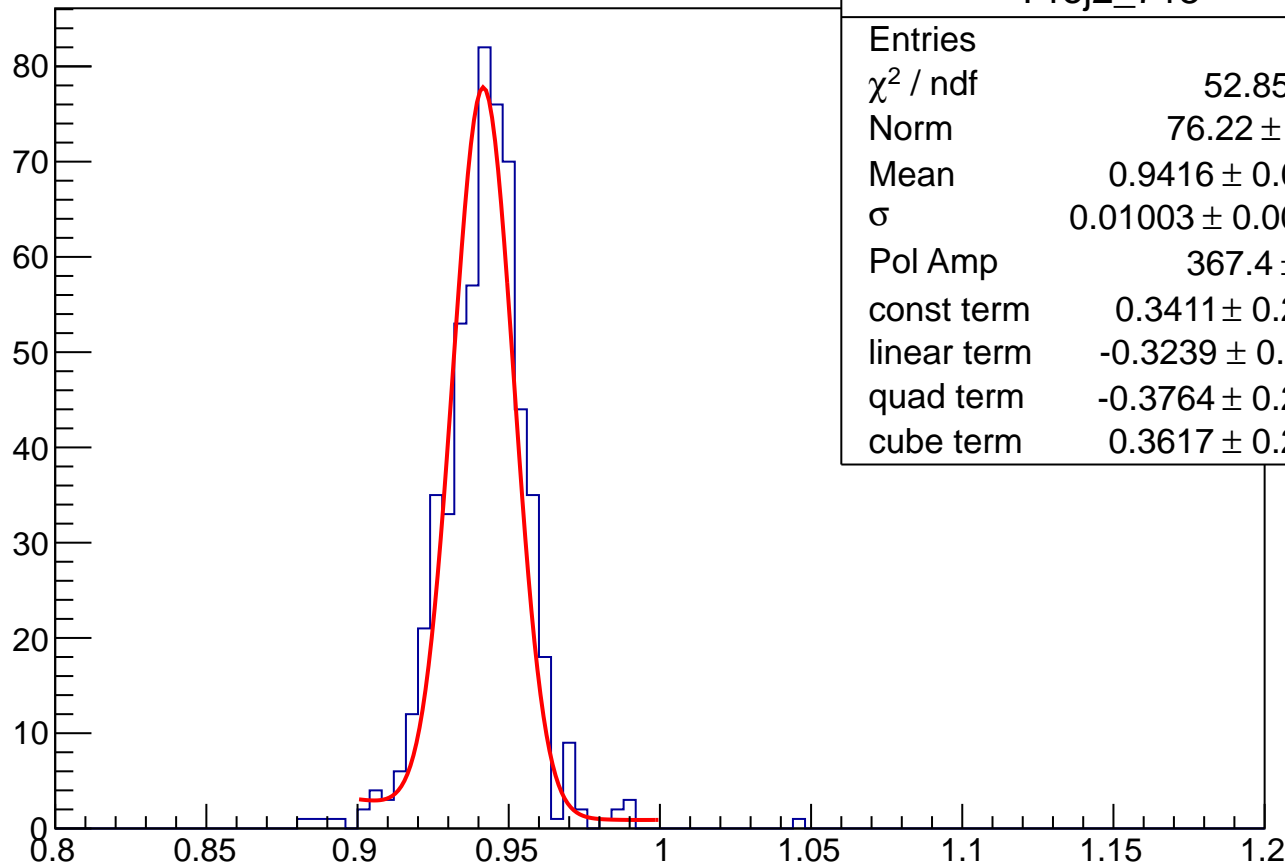
Proj2_713

Entries	302
χ^2 / ndf	23.25 / 11
Norm	34.78 ± 3.71
Mean	0.9392 ± 0.0010
σ	0.01004 ± 0.00109
Pol Amp	618.2 ± 641.5
const term	-1.513 ± 0.009
linear term	1.648 ± 0.010
quad term	1.697 ± 0.010
cube term	-1.841 ± 0.010

PhiThetaMassPim



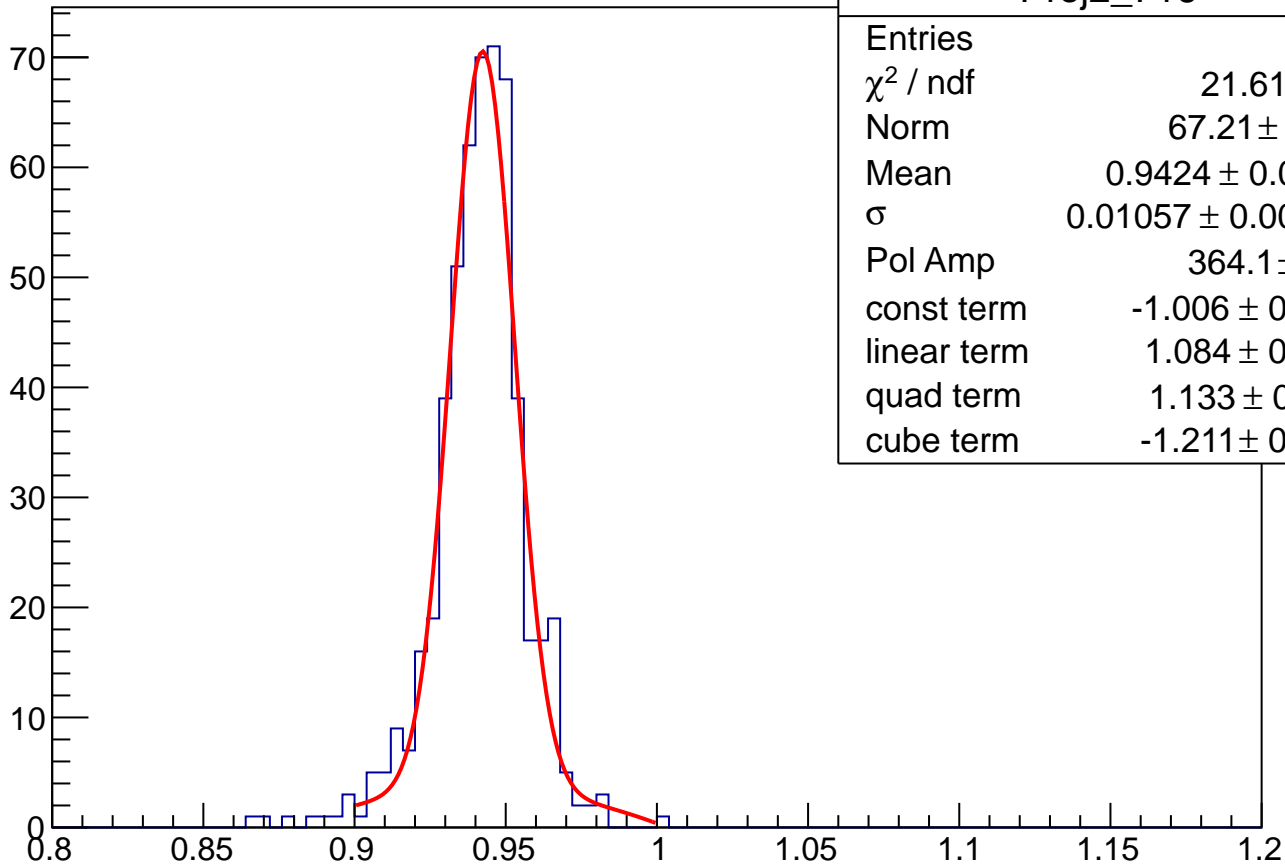
PhiThetaMassPim



Proj2_715

Entries	574
χ^2 / ndf	52.85 / 14
Norm	76.22 ± 4.44
Mean	0.9416 ± 0.0006
σ	0.01003 ± 0.00050
Pol Amp	367.4 ± 0.6
const term	0.3411 ± 0.2089
linear term	-0.3239 ± 0.2261
quad term	-0.3764 ± 0.2406
cube term	0.3617 ± 0.2593

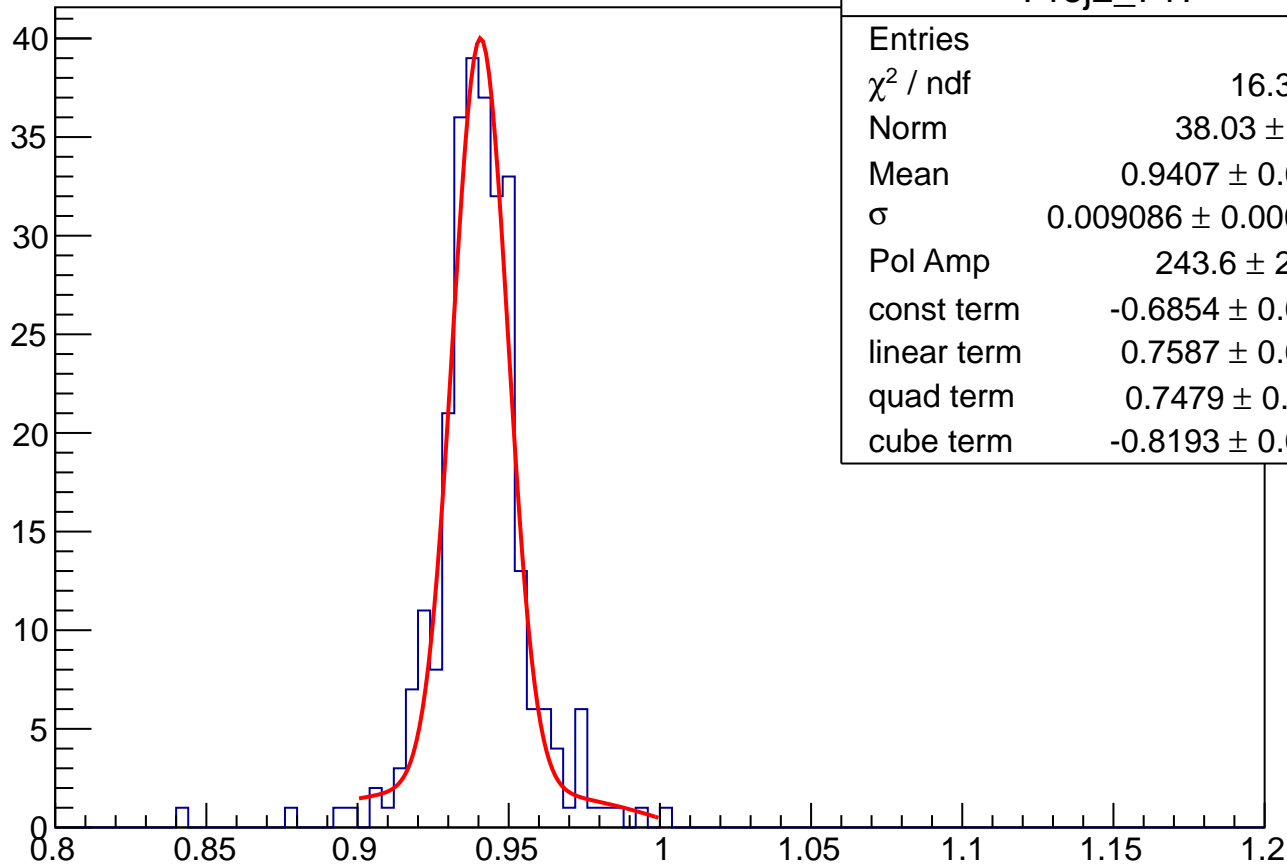
PhiThetaMassPim



Proj2_716

Entries	537
χ^2 / ndf	21.61 / 13
Norm	67.21 ± 4.45
Mean	0.9424 ± 0.0006
σ	0.01057 ± 0.00054
Pol Amp	364.1 ± 0.7
const term	-1.006 ± 0.198
linear term	1.084 ± 0.212
quad term	1.133 ± 0.221
cube term	-1.211 ± 0.237

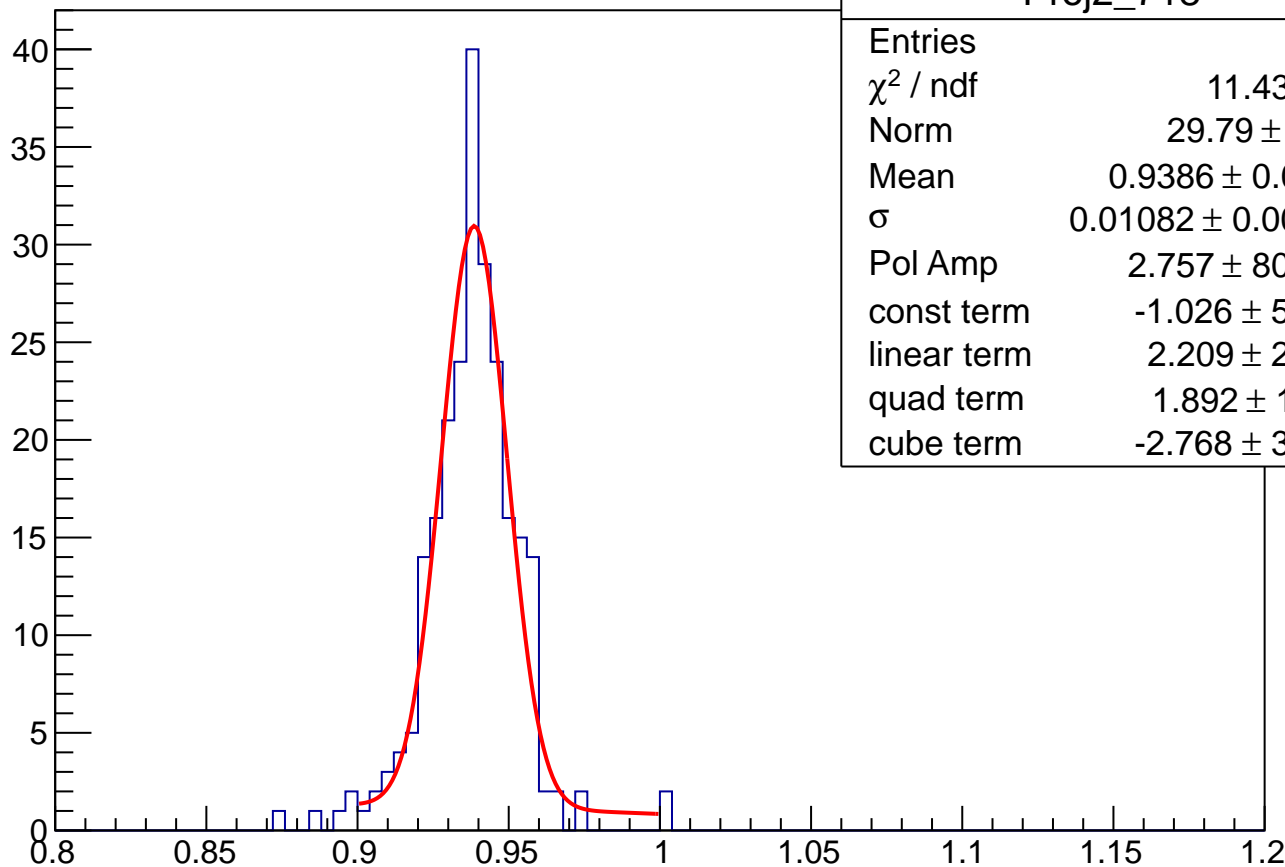
PhiThetaMassPim



Proj2_717

Entries	275
χ^2 / ndf	16.3 / 14
Norm	38.03 ± 3.50
Mean	0.9407 ± 0.0007
σ	0.009086 ± 0.000733
Pol Amp	243.6 ± 296.6
const term	-0.6854 ± 0.0166
linear term	0.7587 ± 0.0179
quad term	0.7479 ± 0.0181
cube term	-0.8193 ± 0.0172

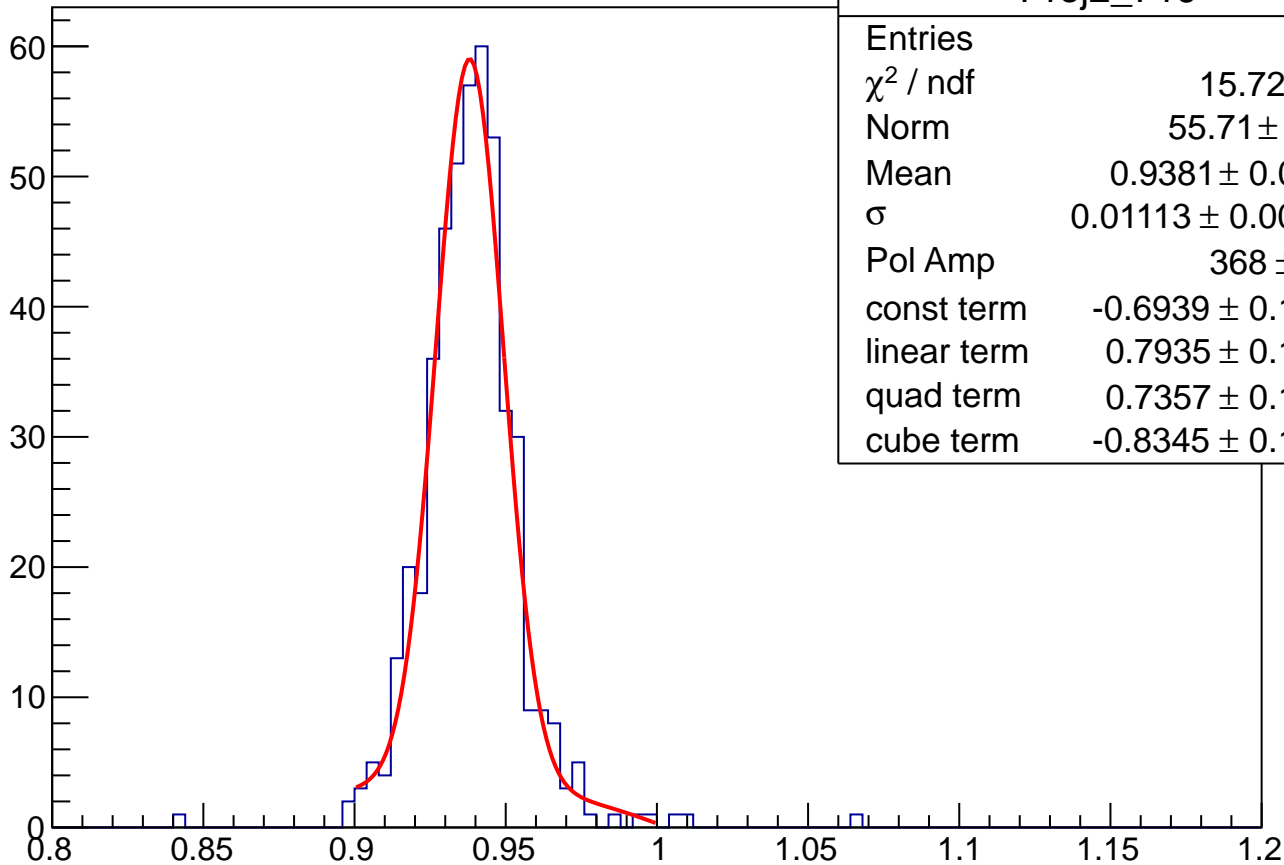
PhiThetaMassPim



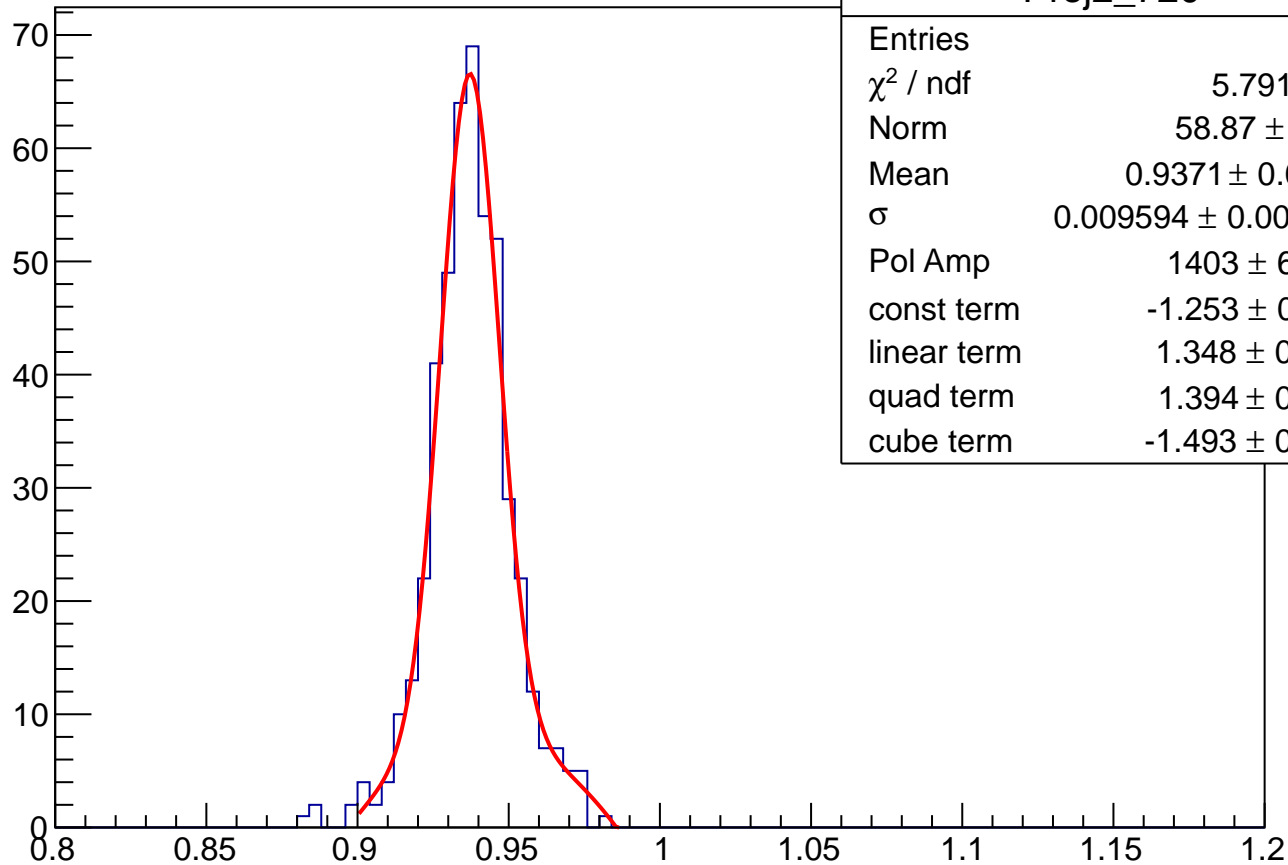
Proj2_718

Entries	241
χ^2 / ndf	11.43 / 10
Norm	29.79 ± 2.75
Mean	0.9386 ± 0.0009
σ	0.01082 ± 0.00090
Pol Amp	2.757 ± 80.556
const term	-1.026 ± 5.928
linear term	2.209 ± 2.080
quad term	1.892 ± 1.321
cube term	-2.768 ± 3.912

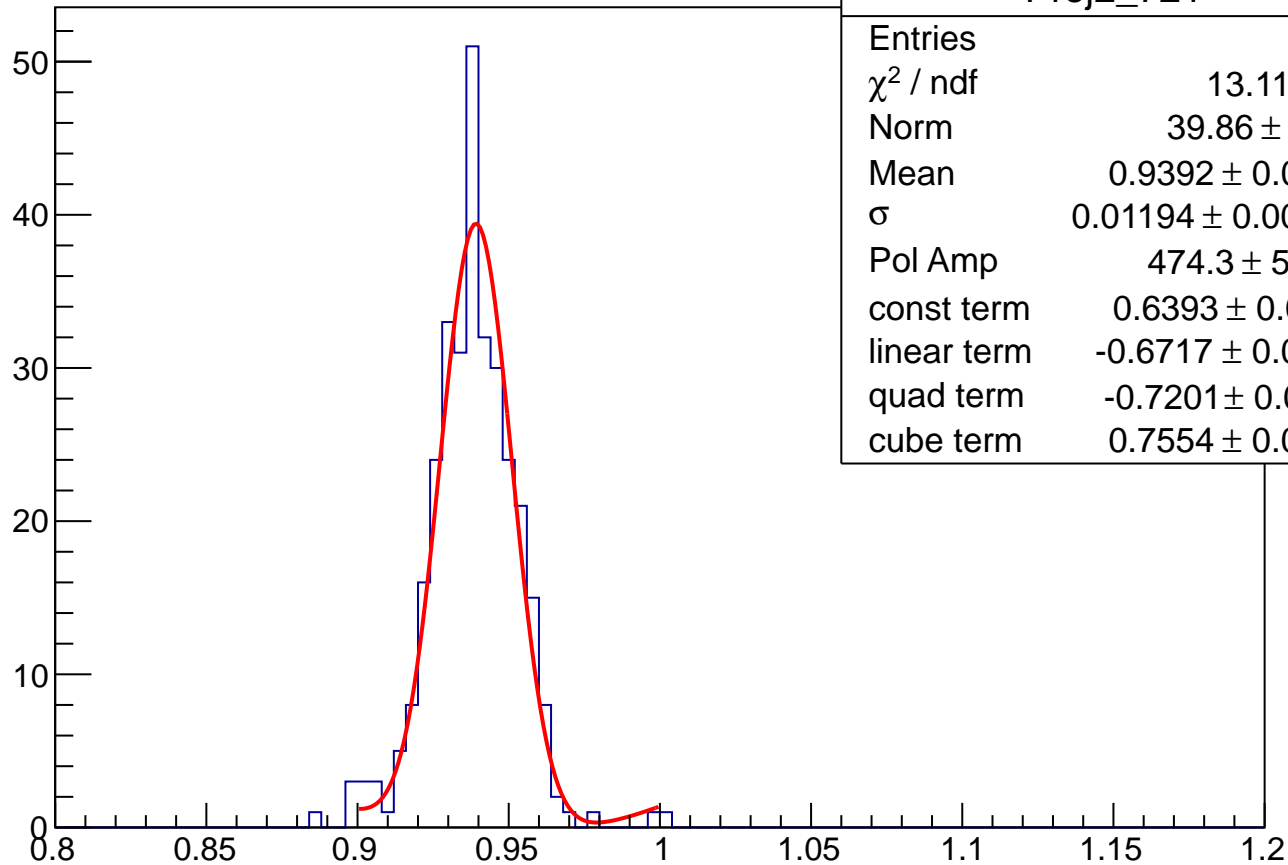
PhiThetaMassPim



PhiThetaMassPim



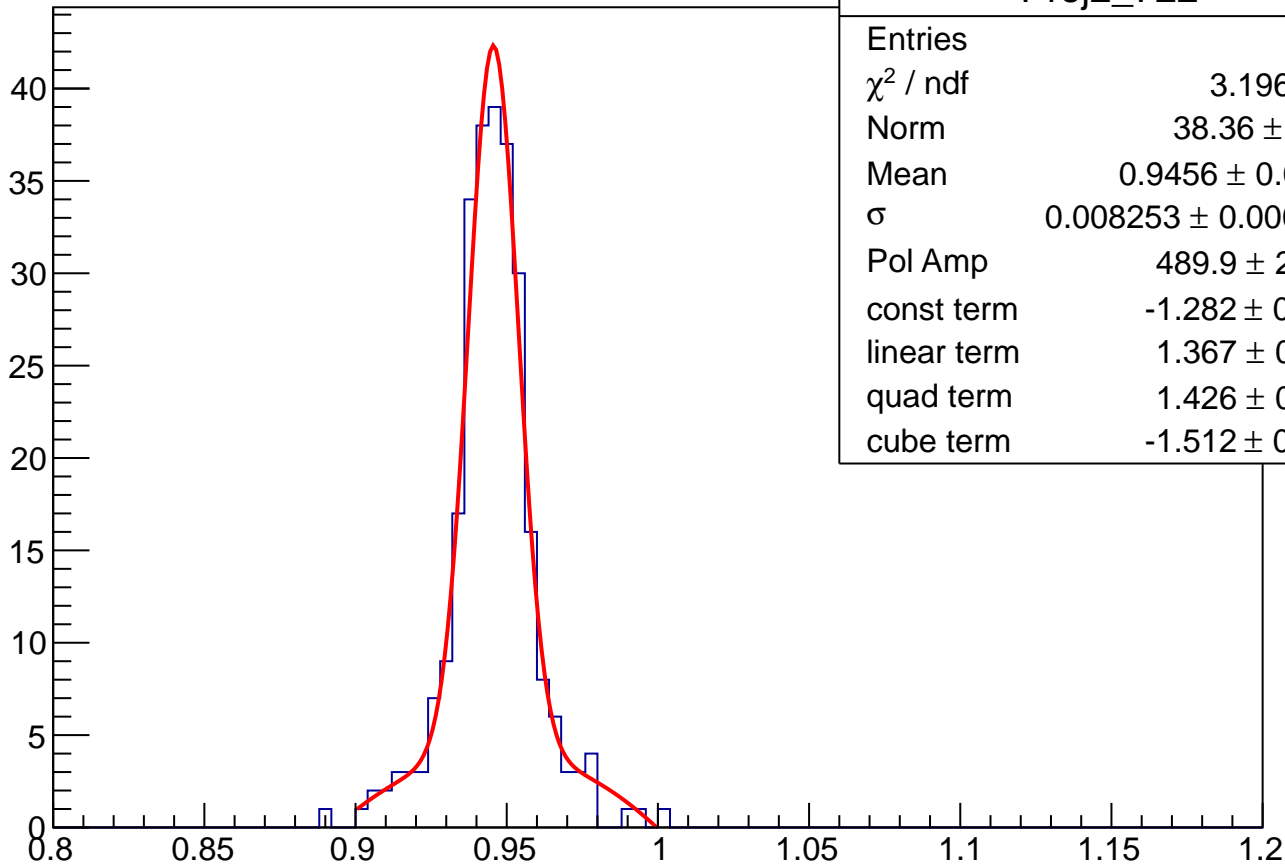
PhiThetaMassPim



Proj2_721

Entries	315
χ^2 / ndf	13.11 / 12
Norm	39.86 ± 2.88
Mean	0.9392 ± 0.0008
σ	0.01194 ± 0.00079
Pol Amp	474.3 ± 505.6
const term	0.6393 ± 0.0091
linear term	-0.6717 ± 0.0109
quad term	-0.7201 ± 0.0113
cube term	0.7554 ± 0.0103

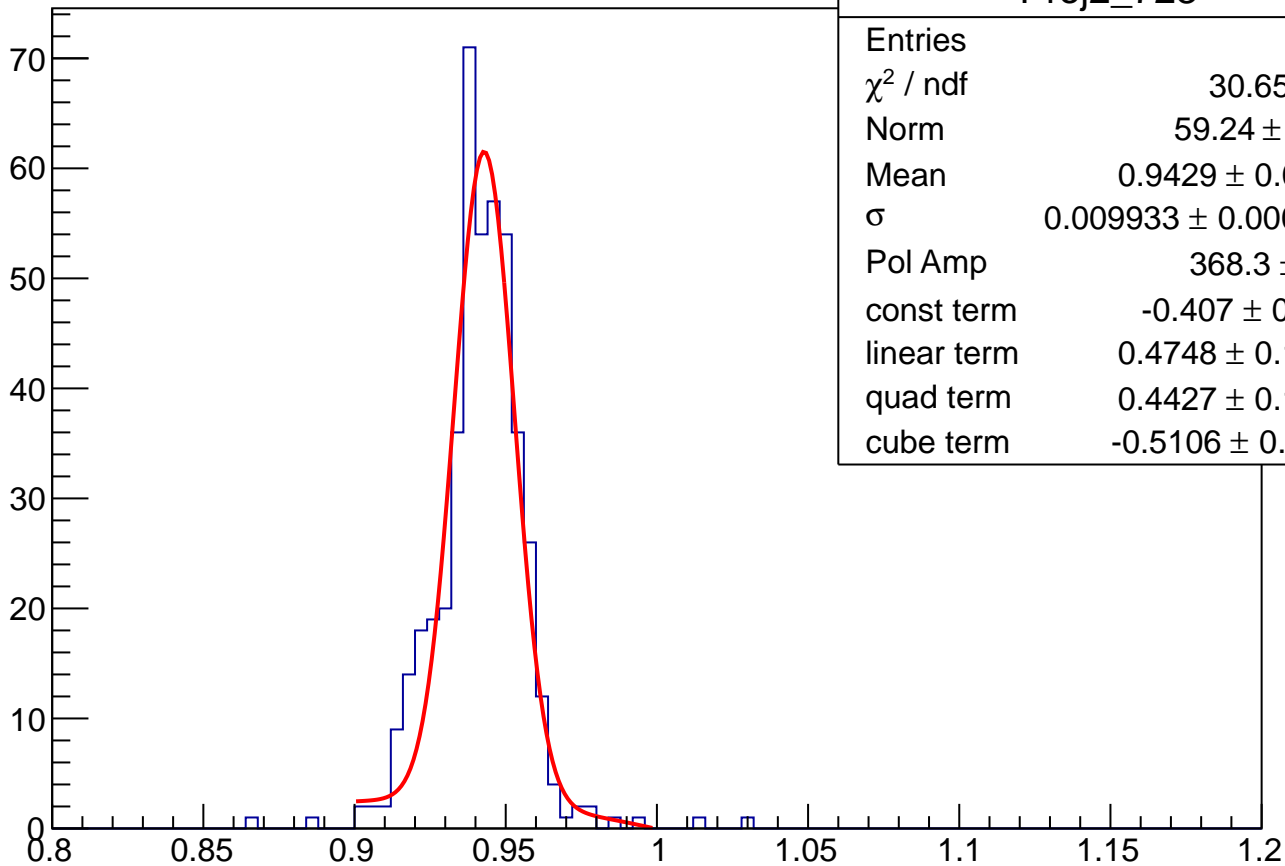
PhiThetaMassPim



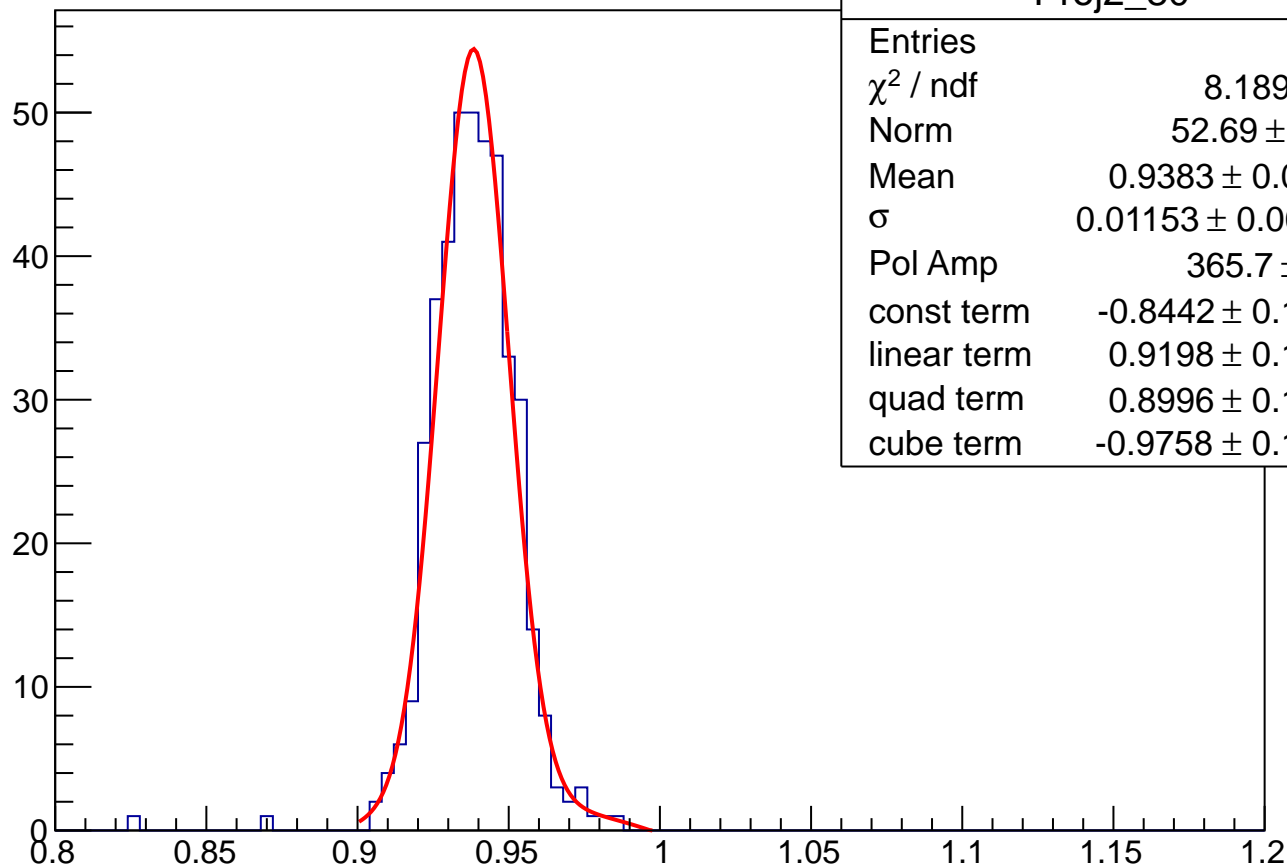
Proj2_722

Entries	269
χ^2 / ndf	3.196 / 14
Norm	38.36 ± 3.68
Mean	0.9456 ± 0.0007
σ	0.008253 ± 0.000708
Pol Amp	489.9 ± 256.2
const term	-1.282 ± 0.008
linear term	1.367 ± 0.010
quad term	1.426 ± 0.010
cube term	-1.512 ± 0.009

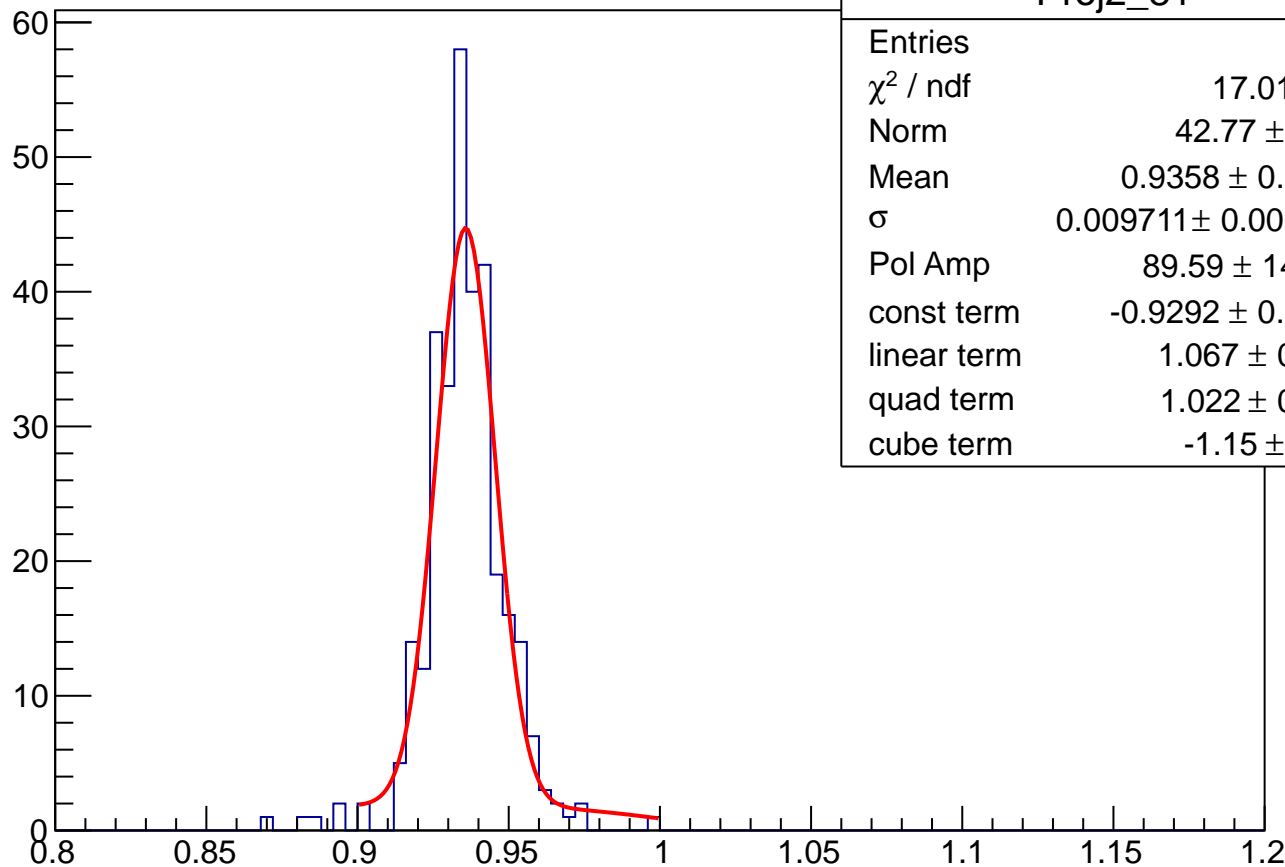
PhiThetaMassPim



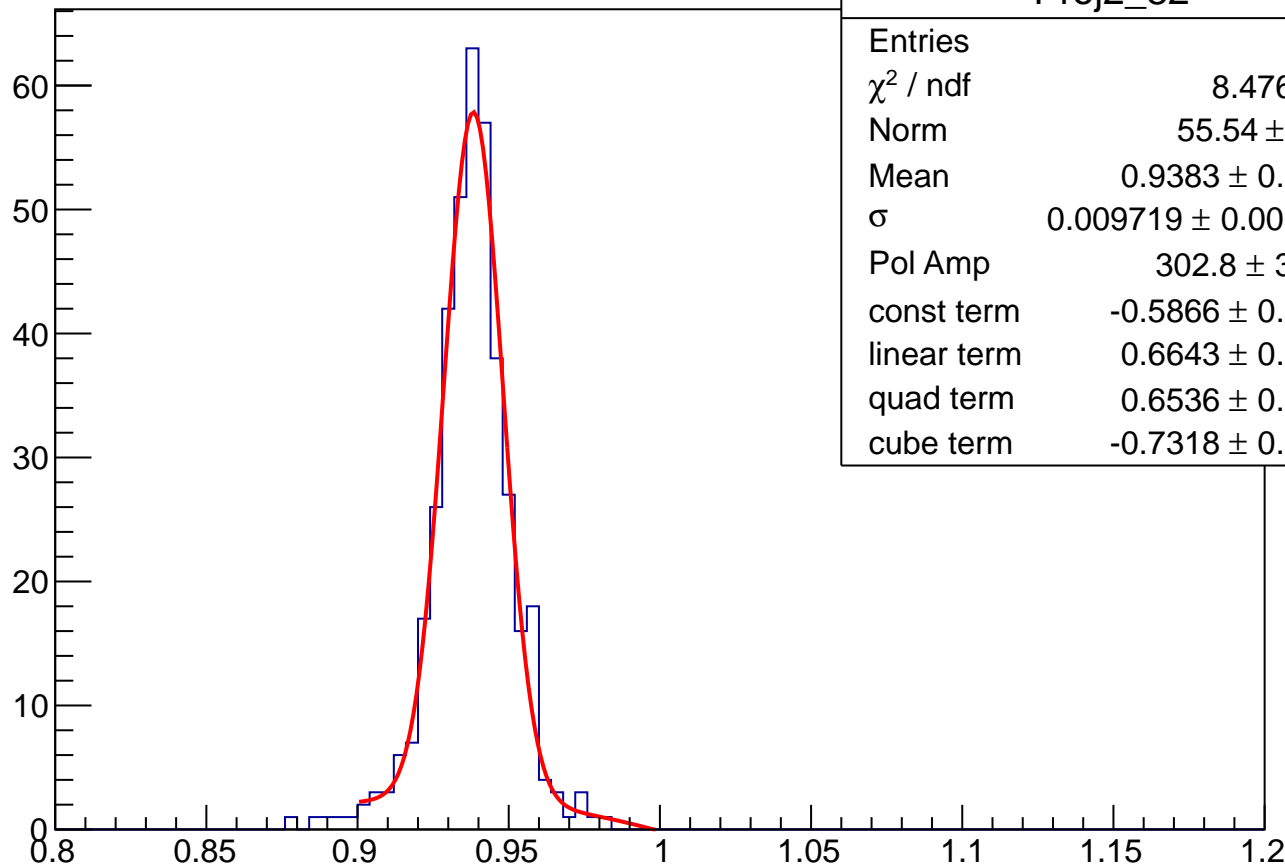
PhiThetaMassPim



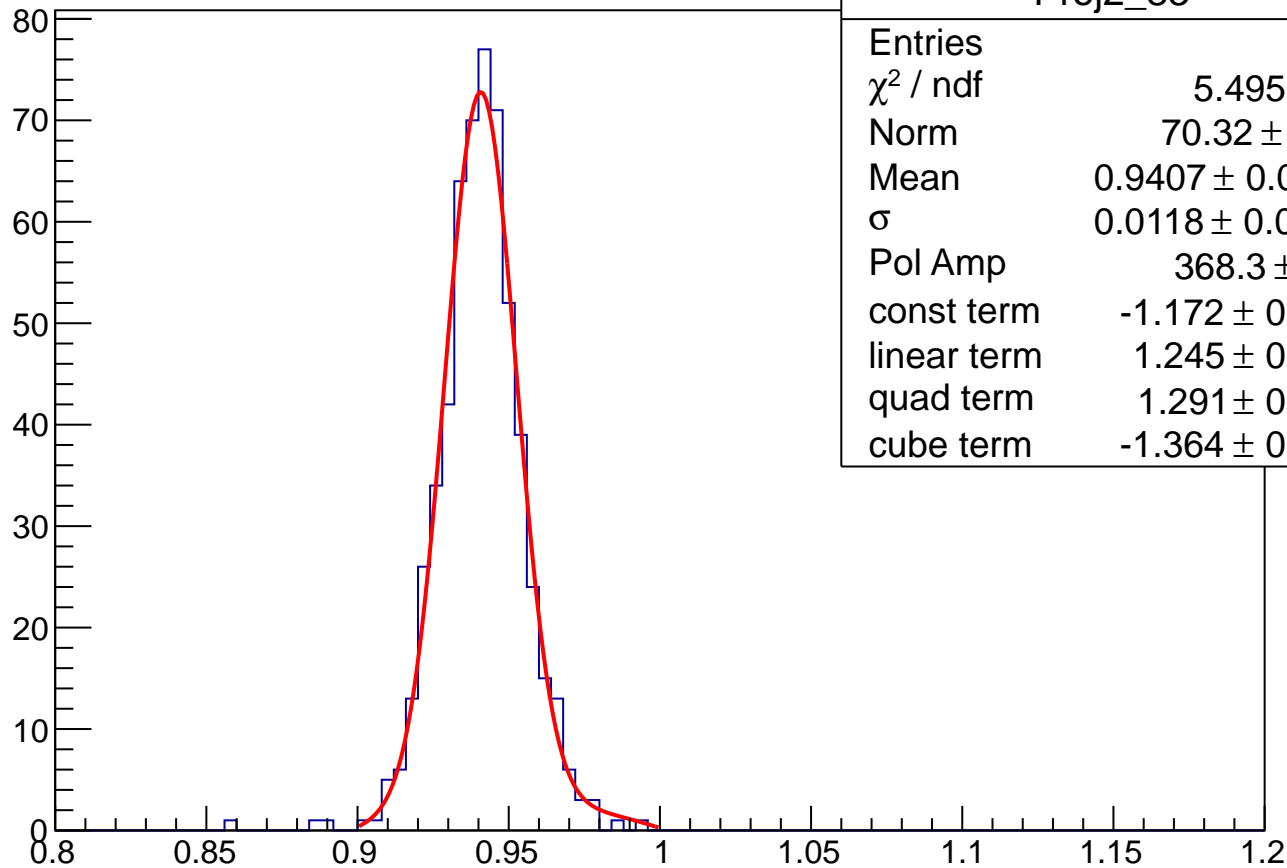
PhiThetaMassPim



PhiThetaMassPim



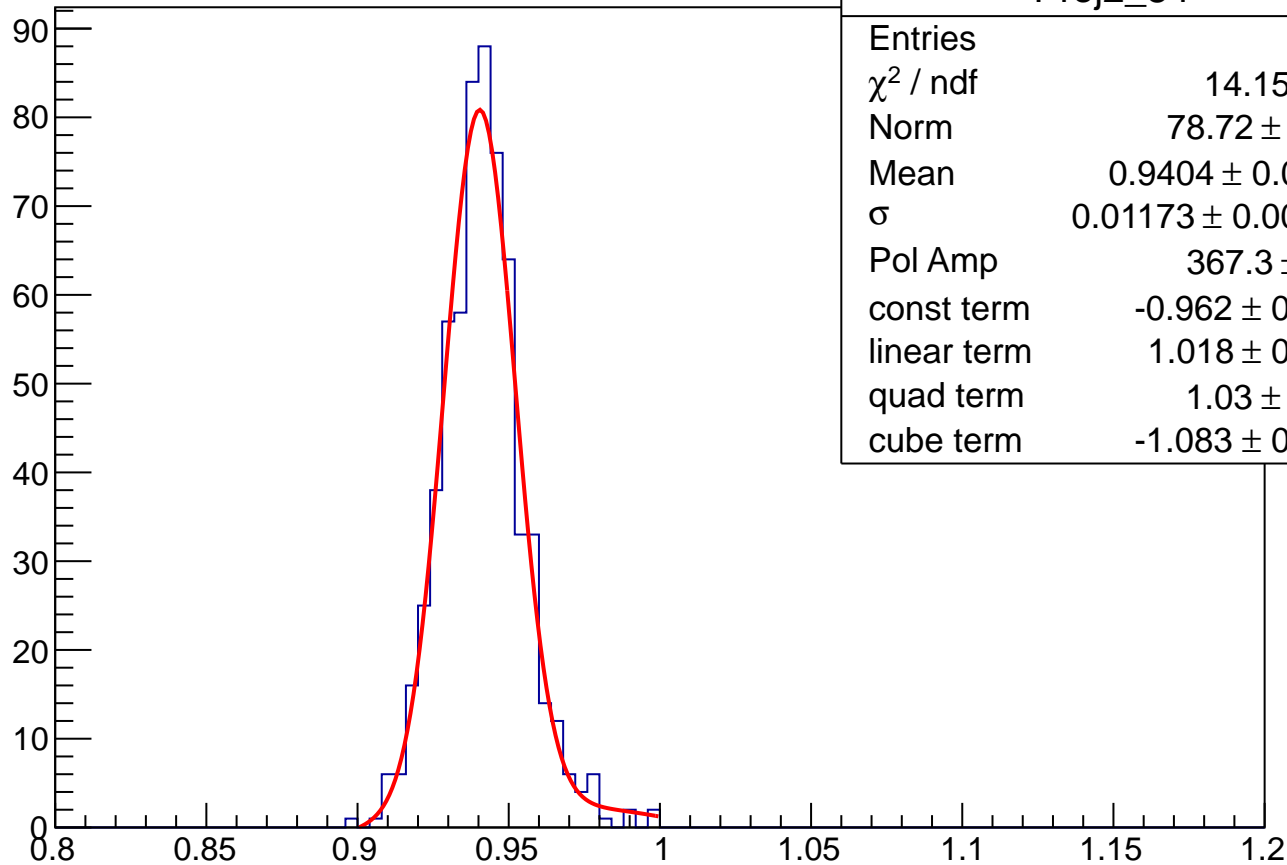
PhiThetaMassPim



Proj2_83

Entries	570
χ^2 / ndf	5.495 / 14
Norm	70.32 ± 4.11
Mean	0.9407 ± 0.0006
σ	0.0118 ± 0.0005
Pol Amp	368.3 ± 0.4
const term	-1.172 ± 0.153
linear term	1.245 ± 0.160
quad term	1.291 ± 0.167
cube term	-1.364 ± 0.175

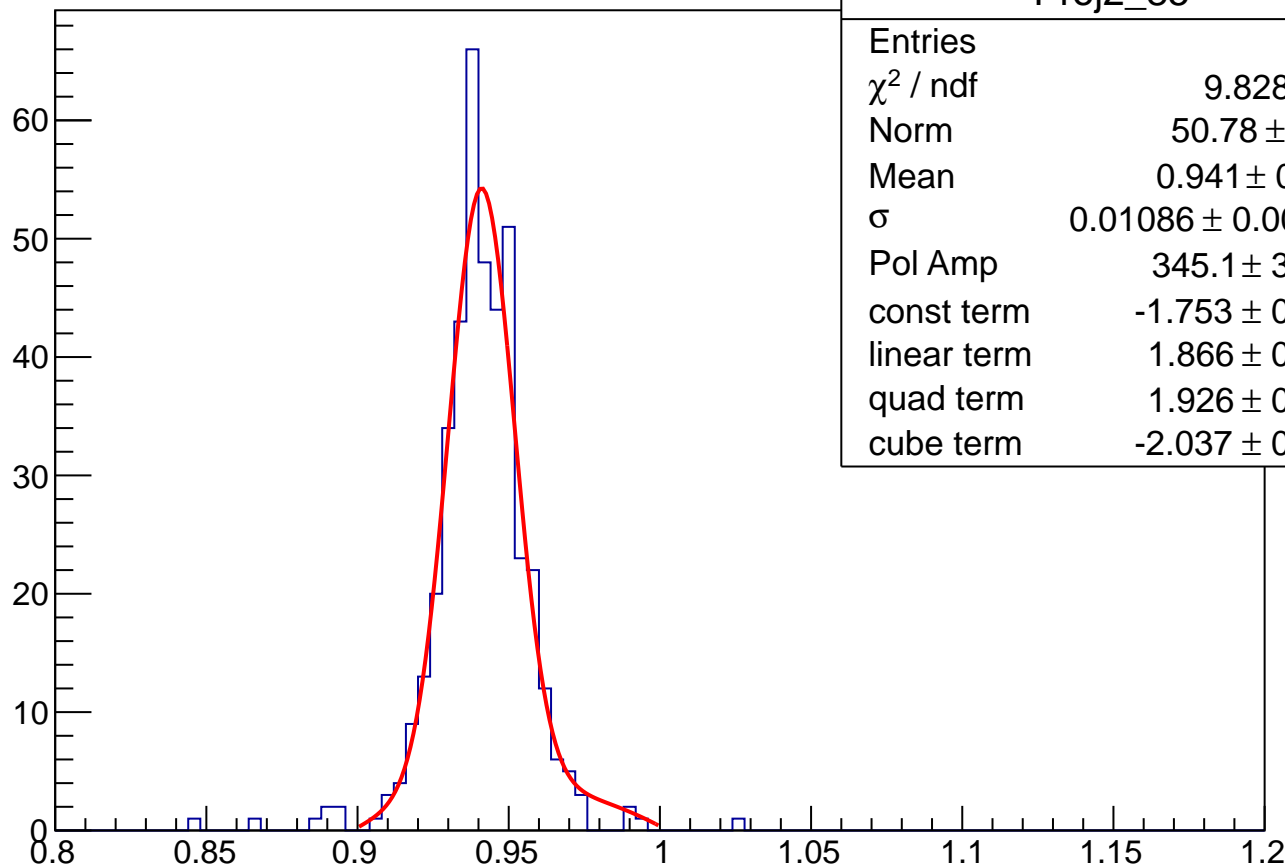
PhiThetaMassPim



Proj2_84

Entries	633
χ^2 / ndf	14.15 / 14
Norm	78.72 ± 4.38
Mean	0.9404 ± 0.0006
σ	0.01173 ± 0.00052
Pol Amp	367.3 ± 0.4
const term	-0.962 ± 0.136
linear term	1.018 ± 0.139
quad term	1.03 ± 0.14
cube term	-1.083 ± 0.147

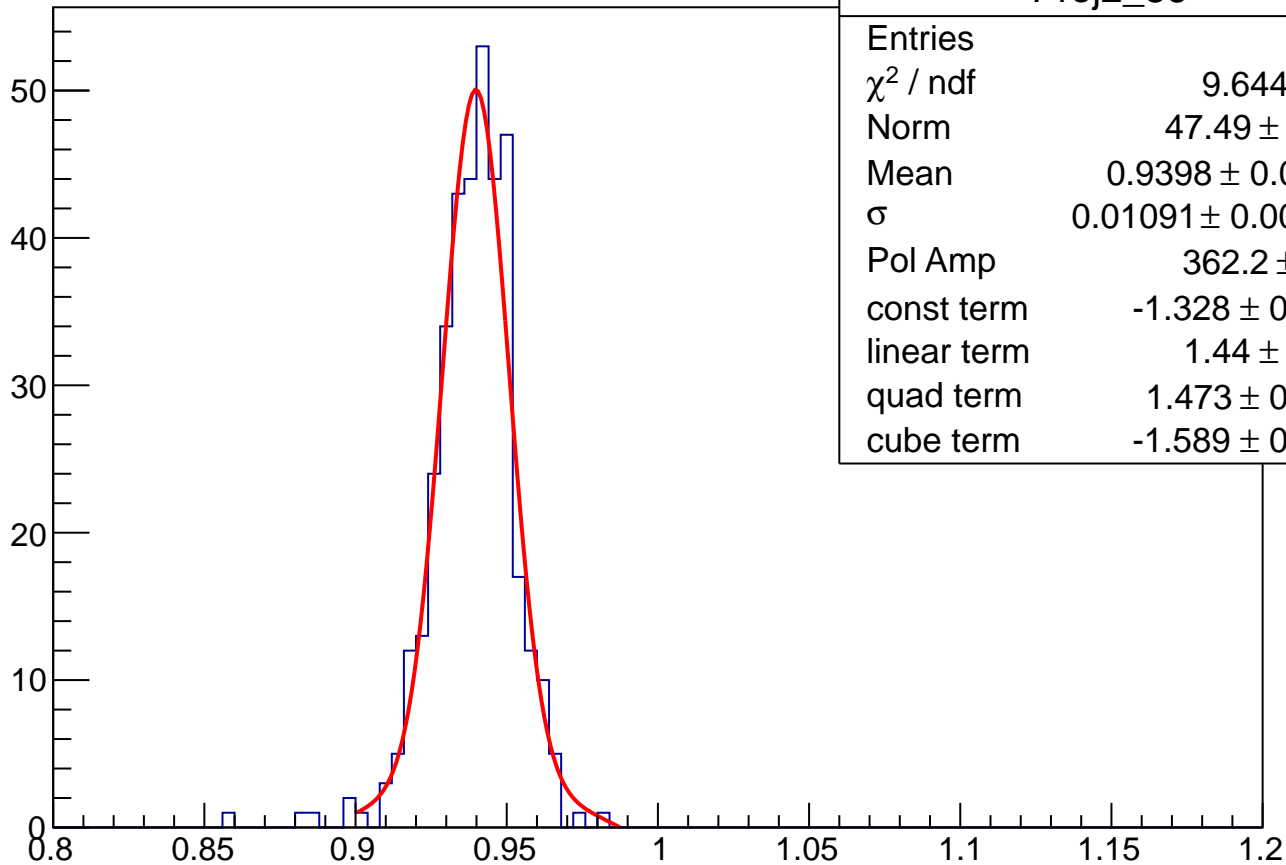
PhiThetaMassPim



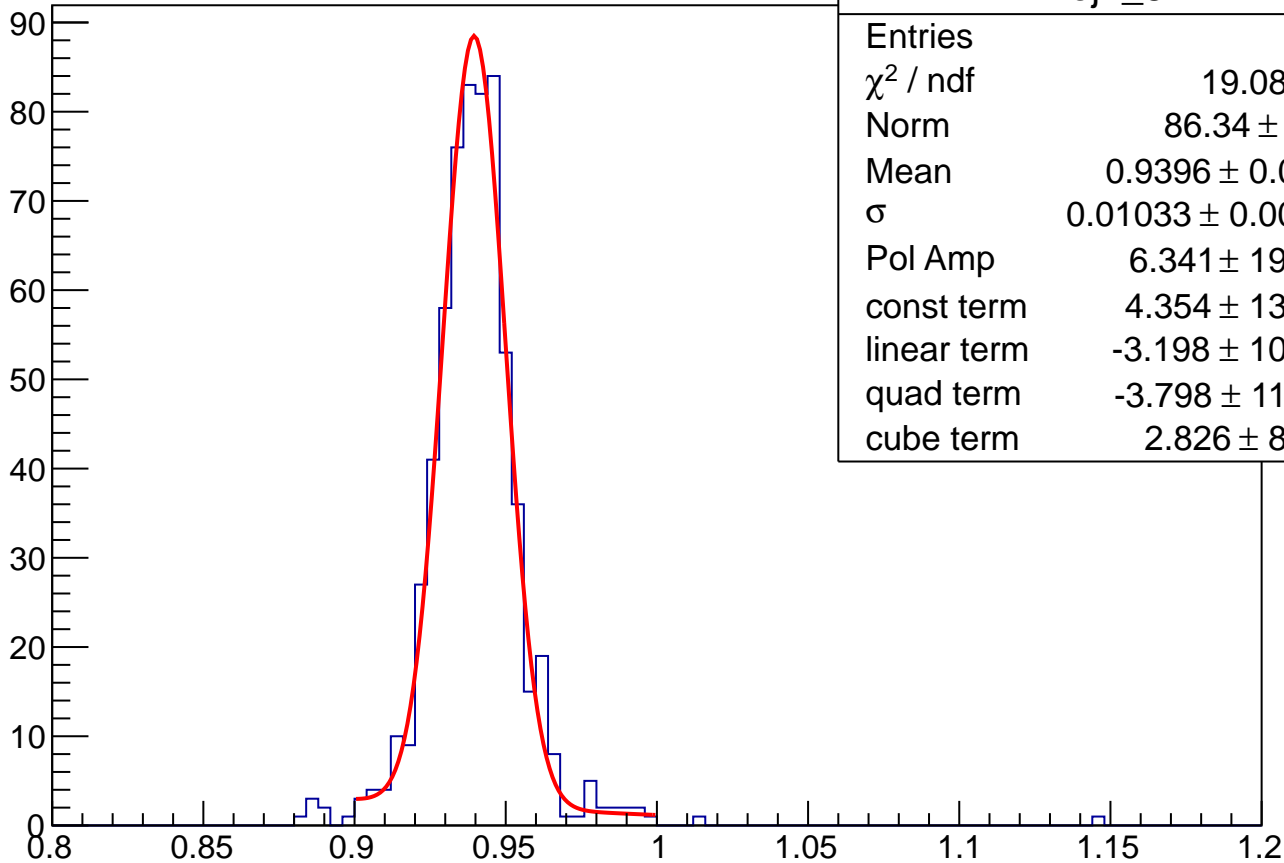
Proj2_85

Entries	418
χ^2 / ndf	9.828 / 12
Norm	50.78 ± 3.81
Mean	0.941 ± 0.001
σ	0.01086 ± 0.00084
Pol Amp	345.1 ± 306.5
const term	-1.753 ± 0.014
linear term	1.866 ± 0.017
quad term	1.926 ± 0.018
cube term	-2.037 ± 0.016

PhiThetaMassPim



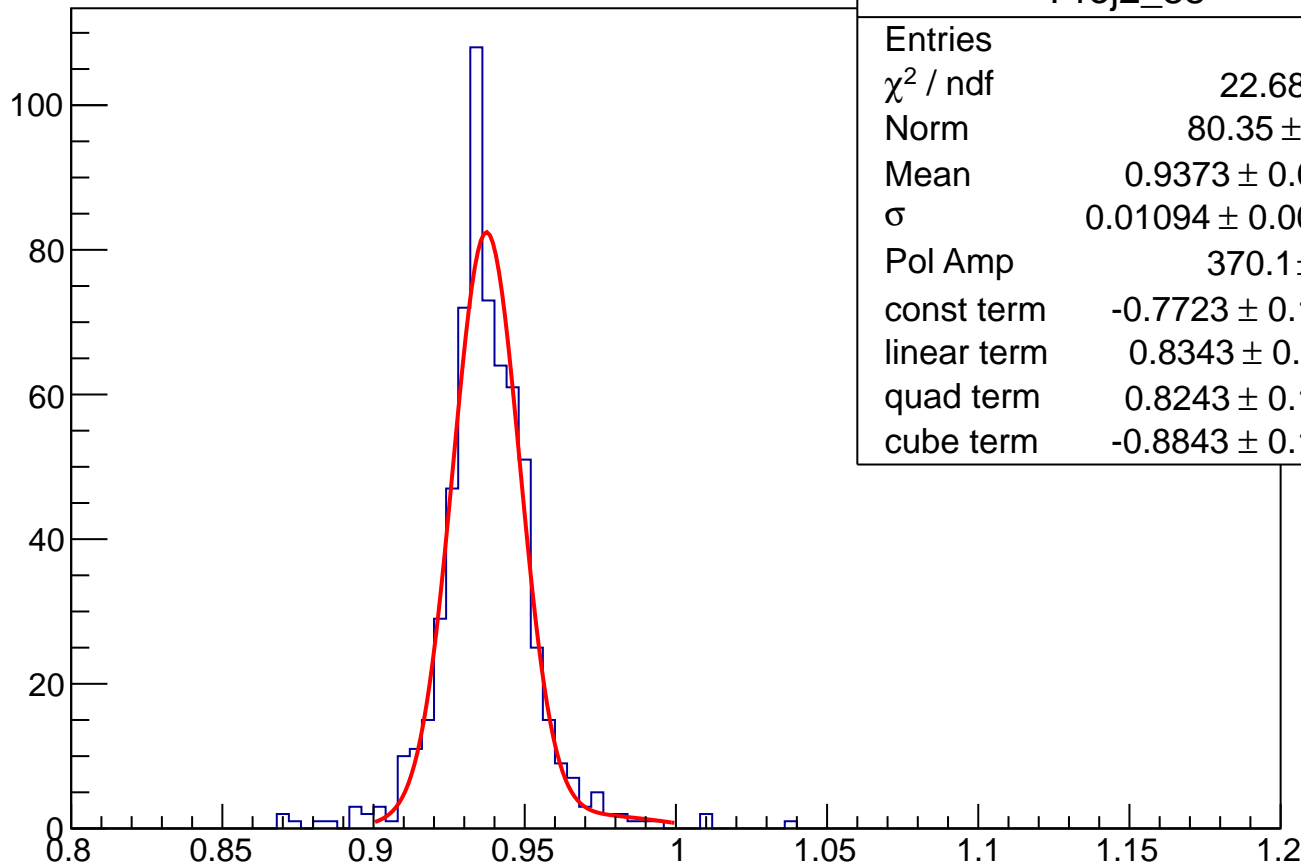
PhiThetaMassPim



Proj2_87

Entries	638
χ^2 / ndf	19.08 / 17
Norm	86.34 ± 4.67
Mean	0.9396 ± 0.0005
σ	0.01033 ± 0.00044
Pol Amp	6.341 ± 19.318
const term	4.354 ± 13.359
linear term	-3.198 ± 10.036
quad term	-3.798 ± 11.759
cube term	2.826 ± 8.970

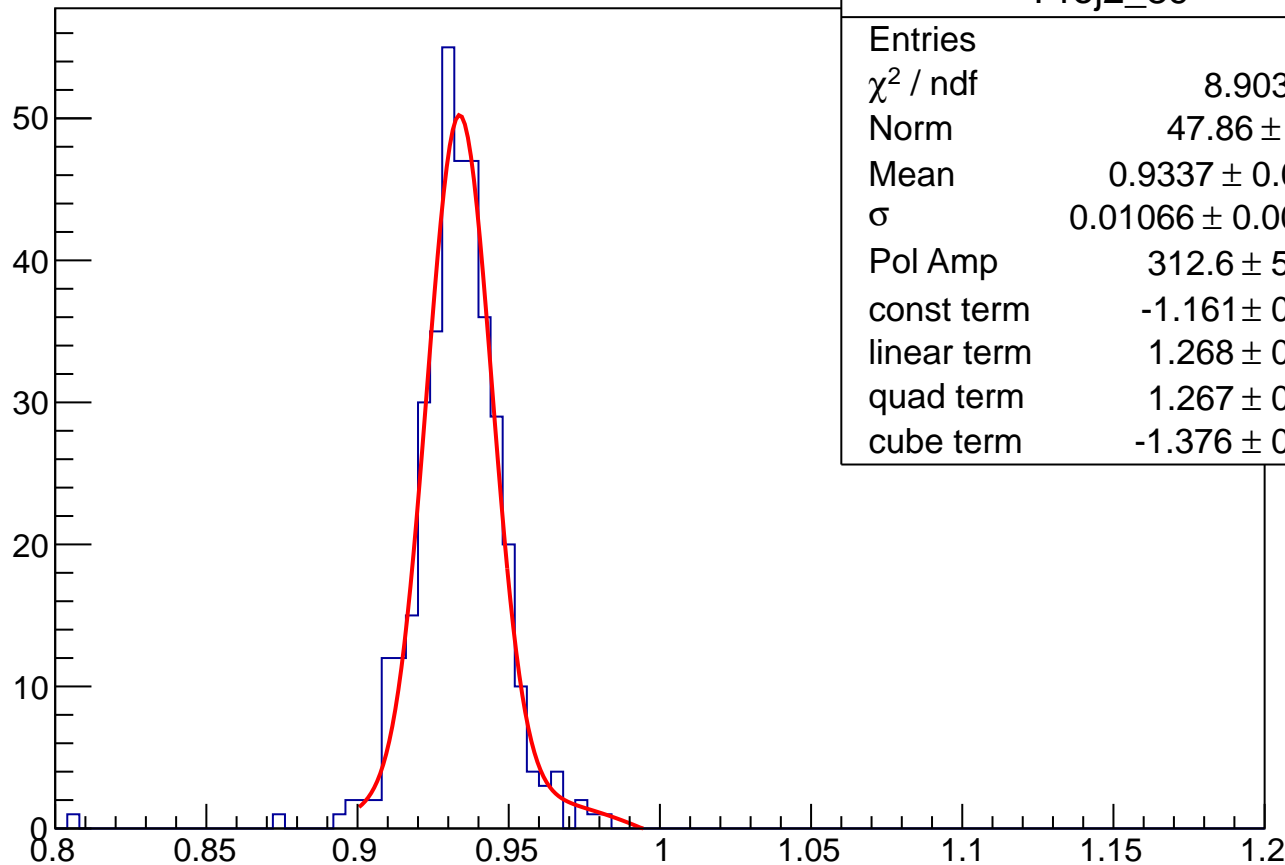
PhiThetaMassPim



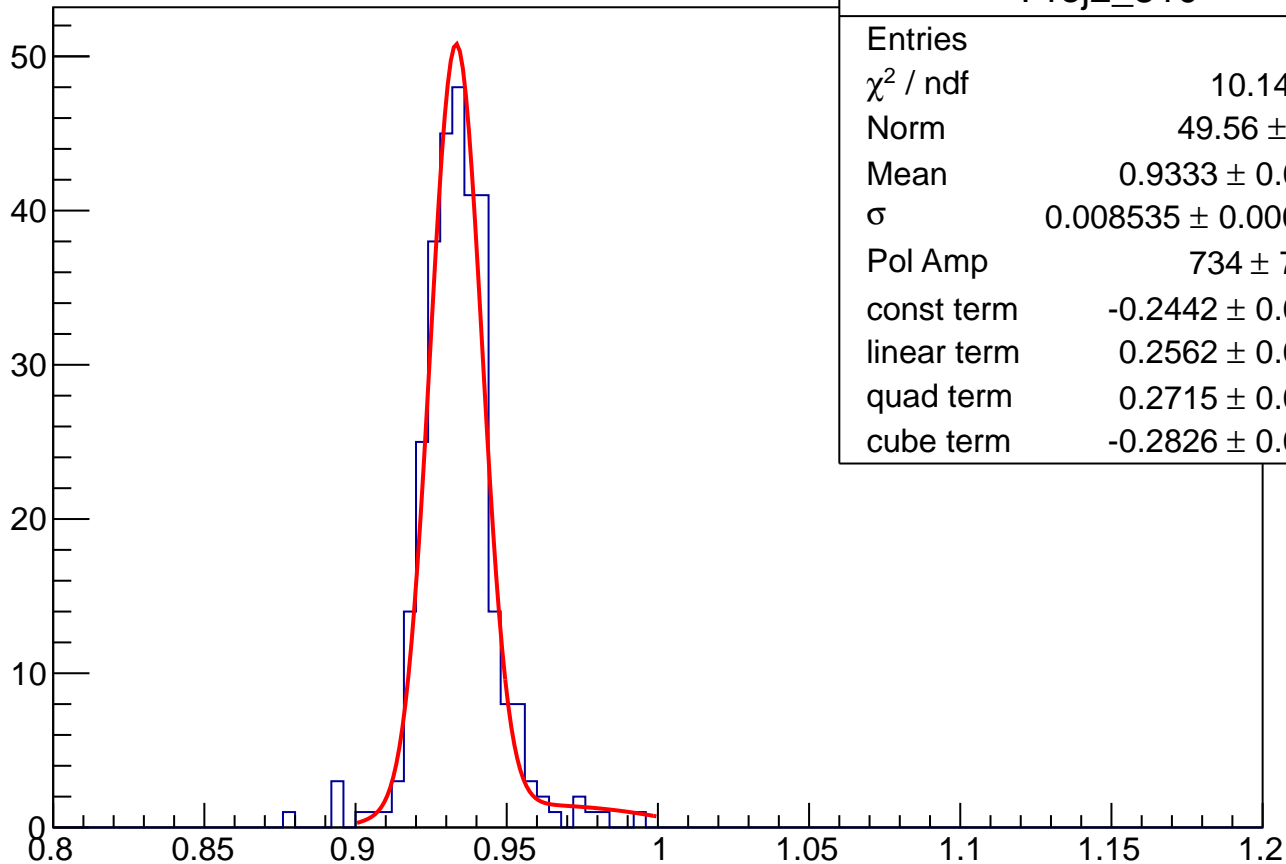
Proj2_88

Entries	629
χ^2 / ndf	22.68 / 16
Norm	80.35 ± 4.51
Mean	0.9373 ± 0.0005
σ	0.01094 ± 0.00046
Pol Amp	370.1 ± 0.3
const term	-0.7723 ± 0.1424
linear term	0.8343 ± 0.1471
quad term	0.8243 ± 0.1480
cube term	-0.8843 ± 0.1538

PhiThetaMassPim



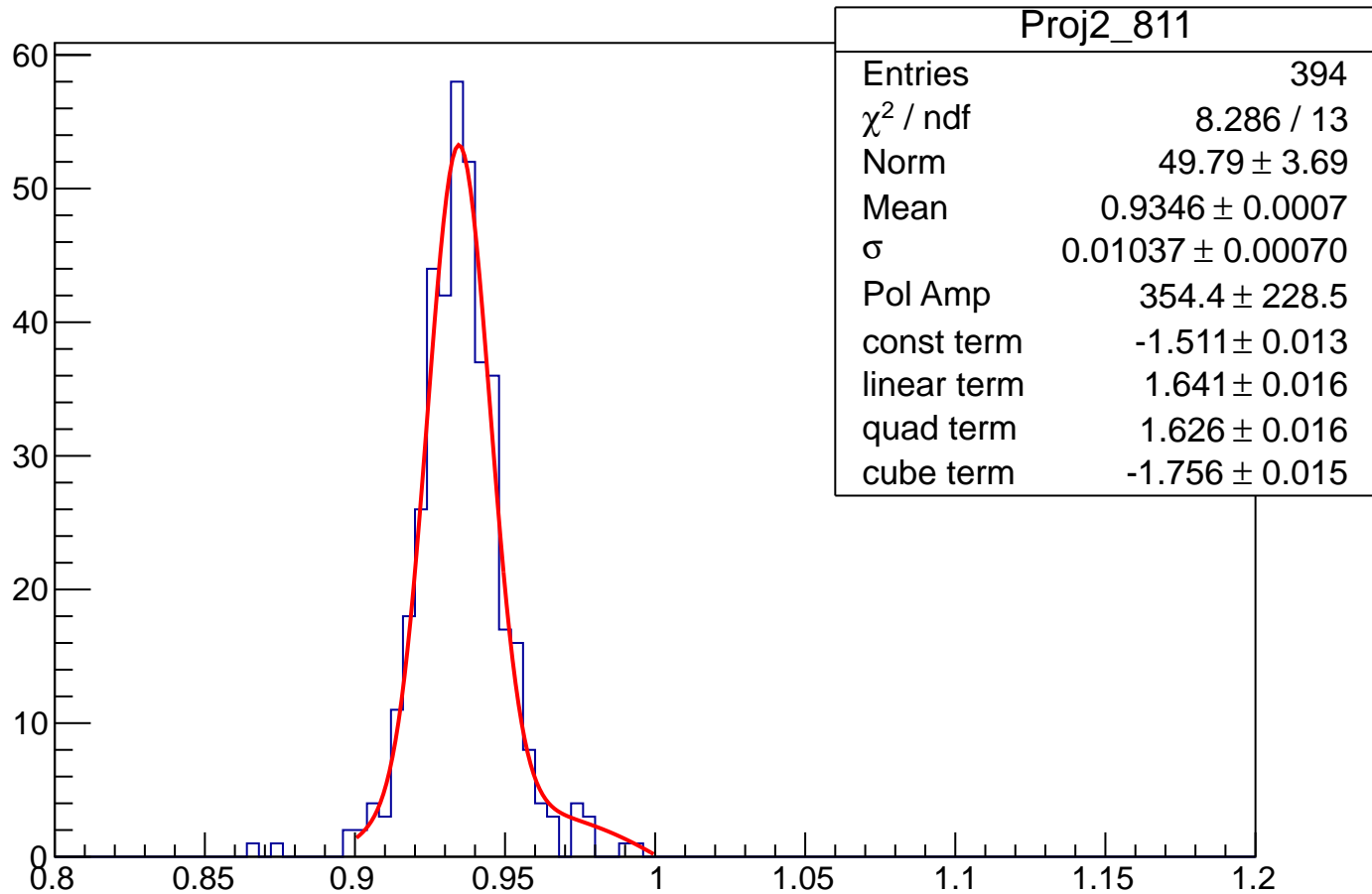
PhiThetaMassPim



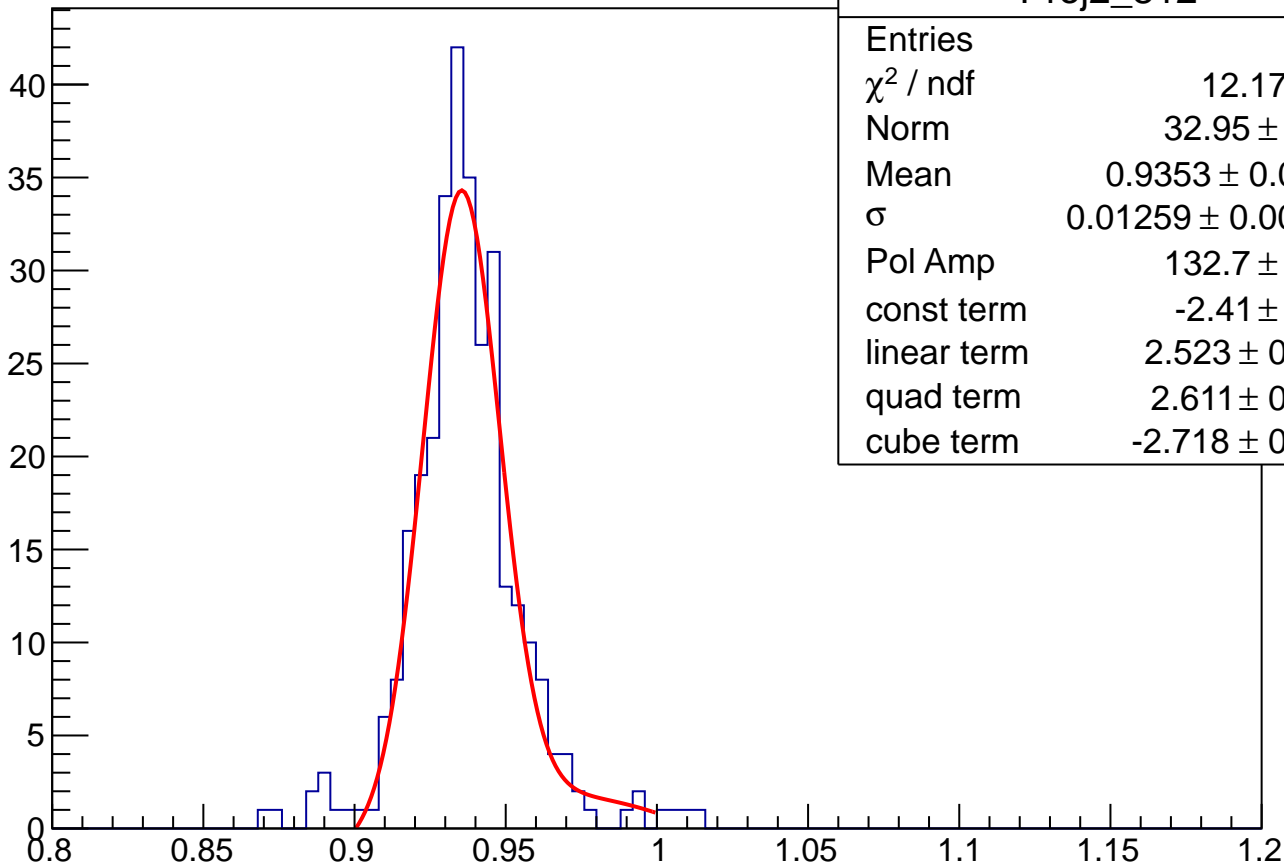
Proj2_810

Entries	303
χ^2 / ndf	10.14 / 13
Norm	49.56 ± 3.81
Mean	0.9333 ± 0.0006
σ	0.008535 ± 0.000463
Pol Amp	734 ± 787.1
const term	-0.2442 ± 0.0047
linear term	0.2562 ± 0.0056
quad term	0.2715 ± 0.0059
cube term	-0.2826 ± 0.0057

PhiThetaMassPim



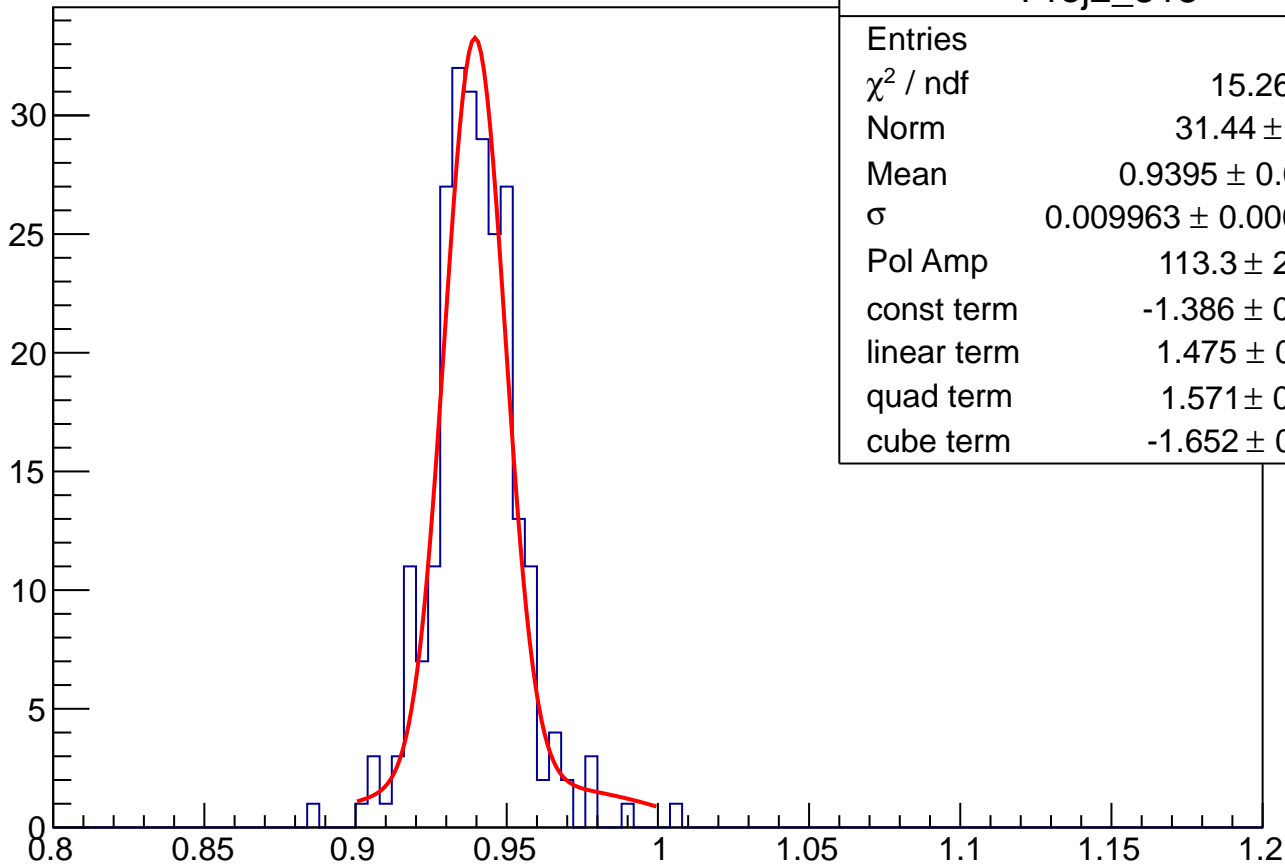
PhiThetaMassPim



Proj2_812

Entries	310
χ^2 / ndf	12.17 / 14
Norm	32.95 ± 2.78
Mean	0.9353 ± 0.0010
σ	0.01259 ± 0.00099
Pol Amp	132.7 ± 89.3
const term	-2.41 ± 0.03
linear term	2.523 ± 0.037
quad term	2.611 ± 0.039
cube term	-2.718 ± 0.040

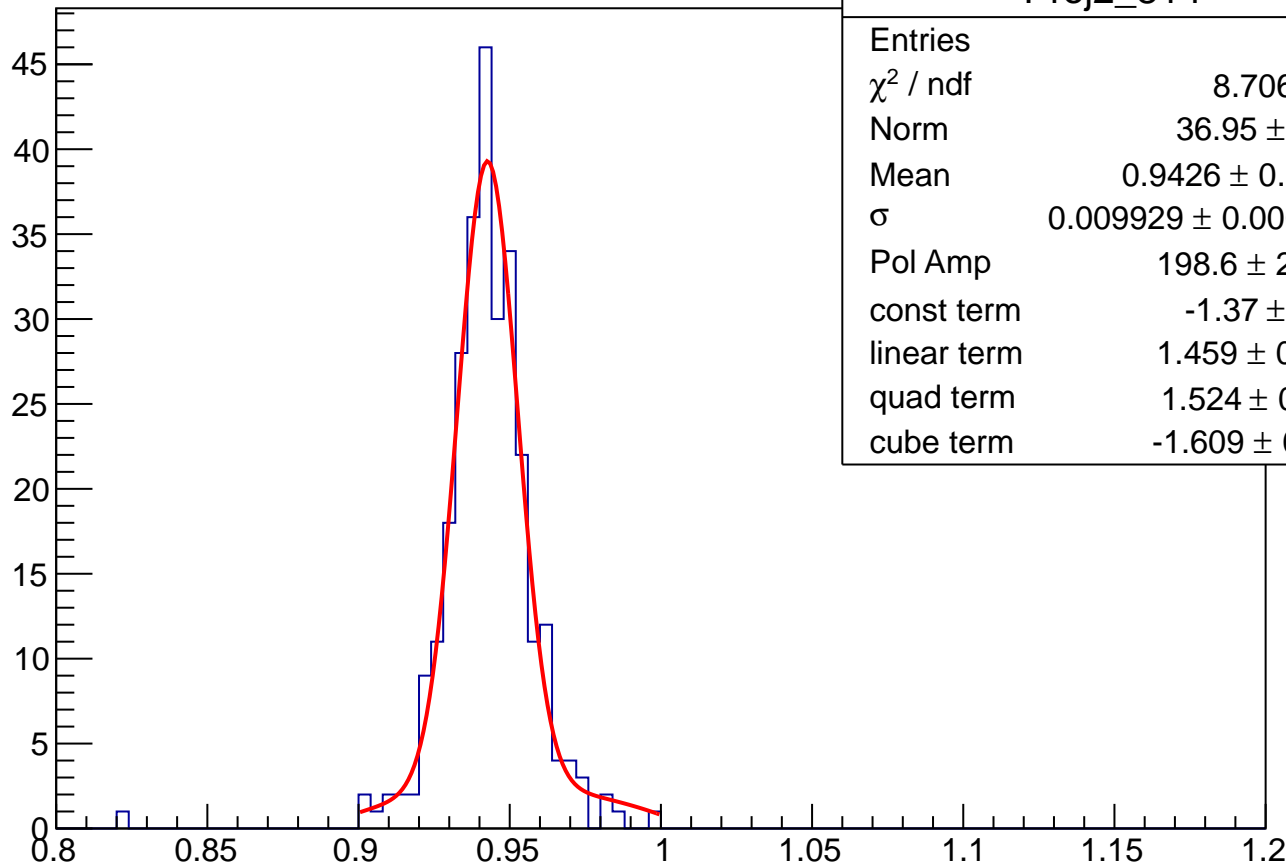
PhiThetaMassPim



Proj2_813

Entries	246
χ^2 / ndf	15.26 / 12
Norm	31.44 ± 2.99
Mean	0.9395 ± 0.0008
σ	0.009963 ± 0.000877
Pol Amp	113.3 ± 263.9
const term	-1.386 ± 0.035
linear term	1.475 ± 0.044
quad term	1.571 ± 0.047
cube term	-1.652 ± 0.042

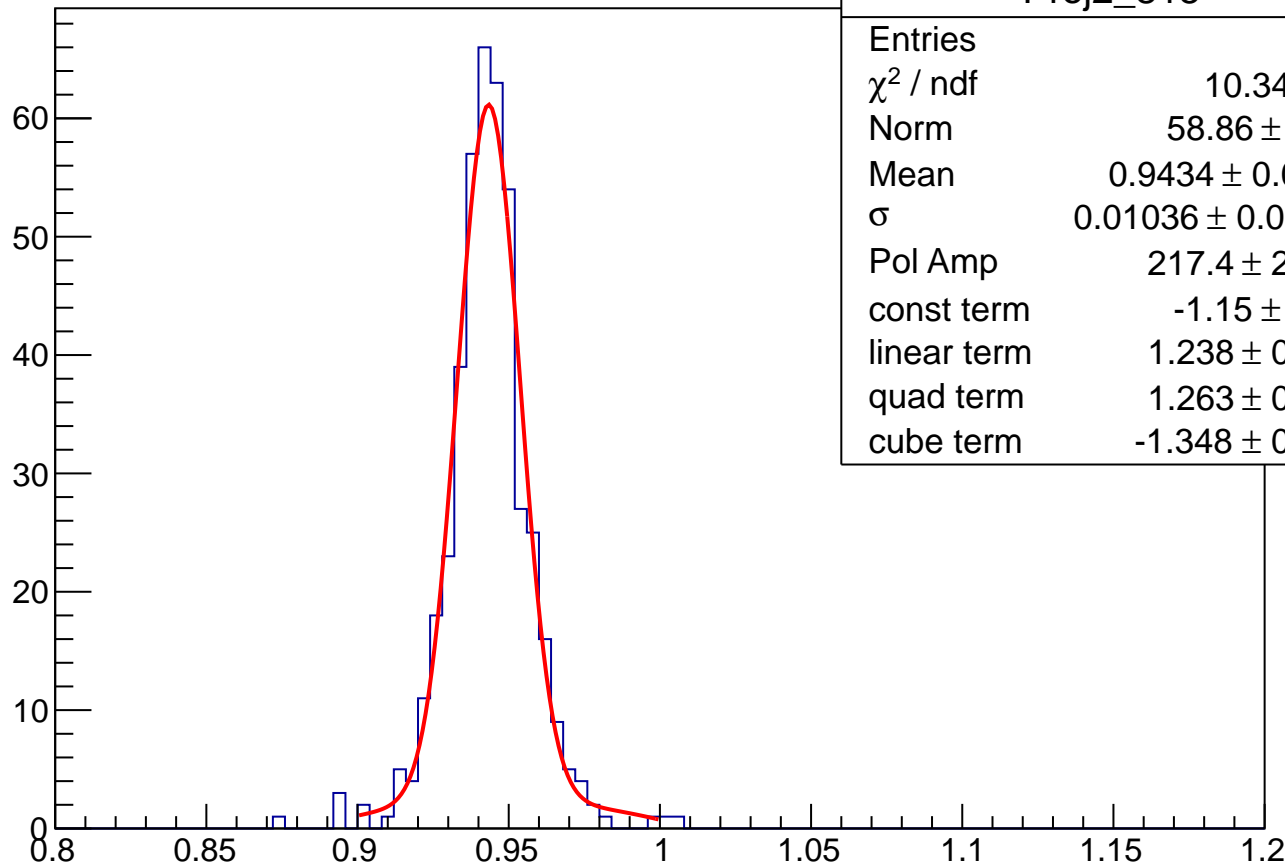
PhiThetaMassPim



Proj2_814

Entries	282
χ^2 / ndf	8.706 / 14
Norm	36.95 ± 3.27
Mean	0.9426 ± 0.0008
σ	0.009929 ± 0.000833
Pol Amp	198.6 ± 242.3
const term	-1.37 ± 0.02
linear term	1.459 ± 0.023
quad term	1.524 ± 0.024
cube term	-1.609 ± 0.021

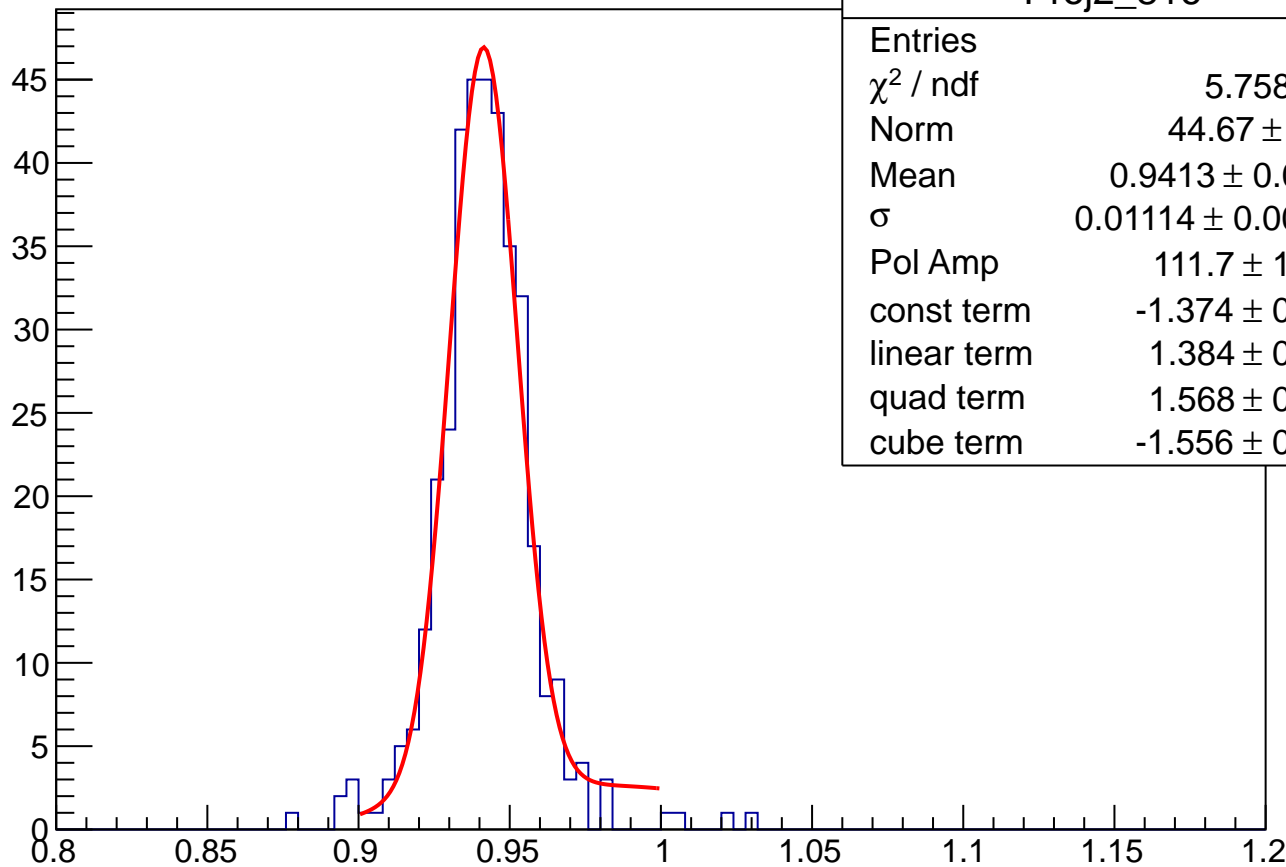
PhiThetaMassPim



Proj2_815

Entries	439
χ^2 / ndf	10.34 / 13
Norm	58.86 ± 4.09
Mean	0.9434 ± 0.0006
σ	0.01036 ± 0.00071
Pol Amp	217.4 ± 292.0
const term	-1.15 ± 0.02
linear term	1.238 ± 0.024
quad term	1.263 ± 0.025
cube term	-1.348 ± 0.022

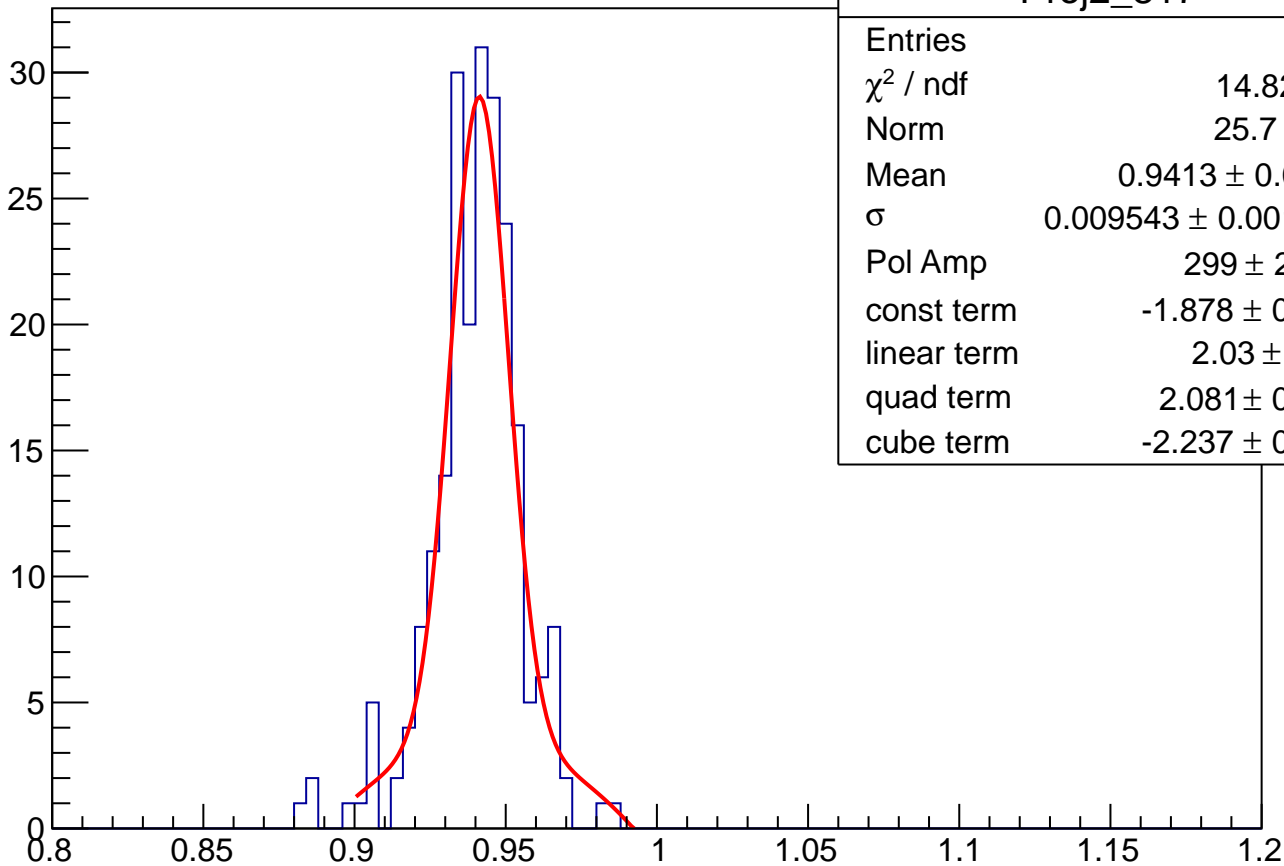
PhiThetaMassPim



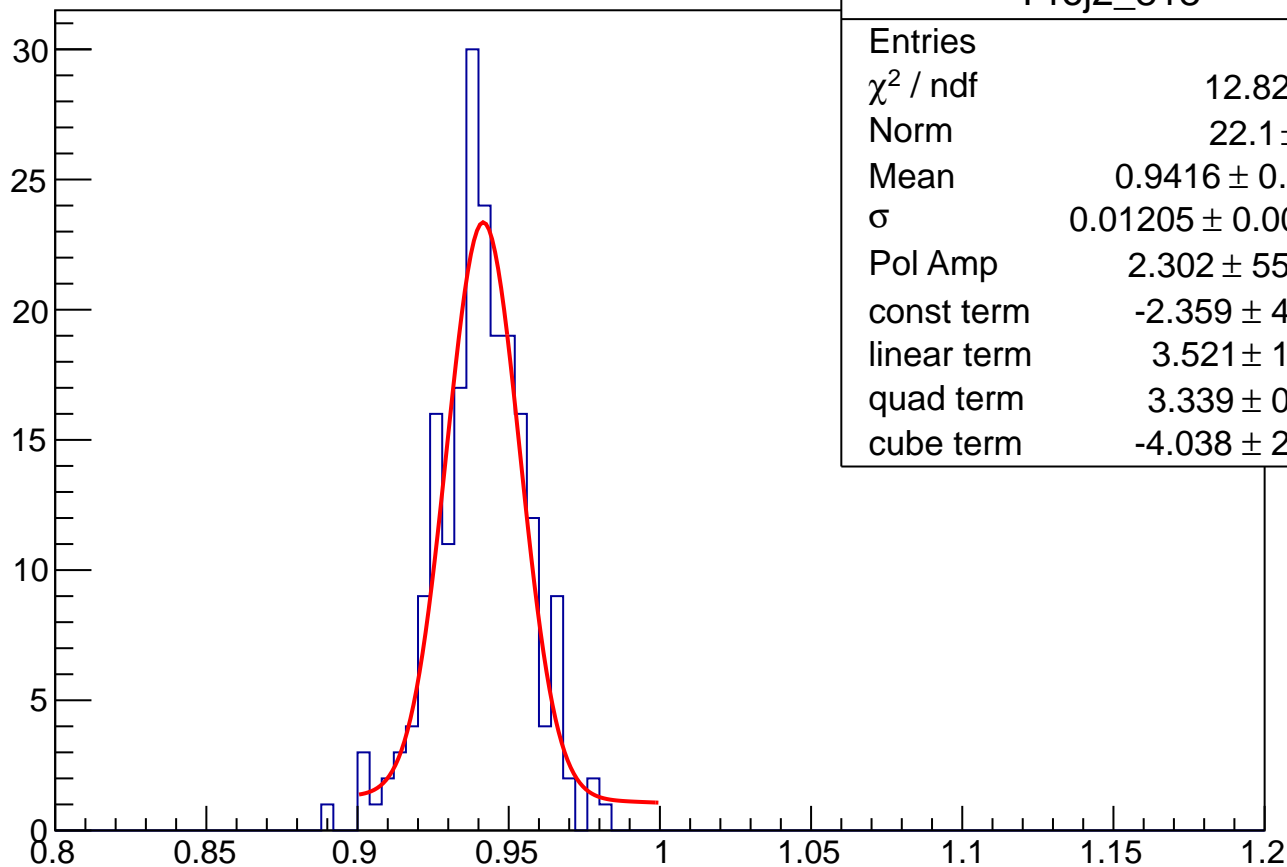
Proj2_816

Entries	369
χ^2 / ndf	5.758 / 12
Norm	44.67 ± 3.34
Mean	0.9413 ± 0.0008
σ	0.01114 ± 0.00074
Pol Amp	111.7 ± 128.7
const term	-1.374 ± 0.048
linear term	1.384 ± 0.053
quad term	1.568 ± 0.059
cube term	-1.556 ± 0.064

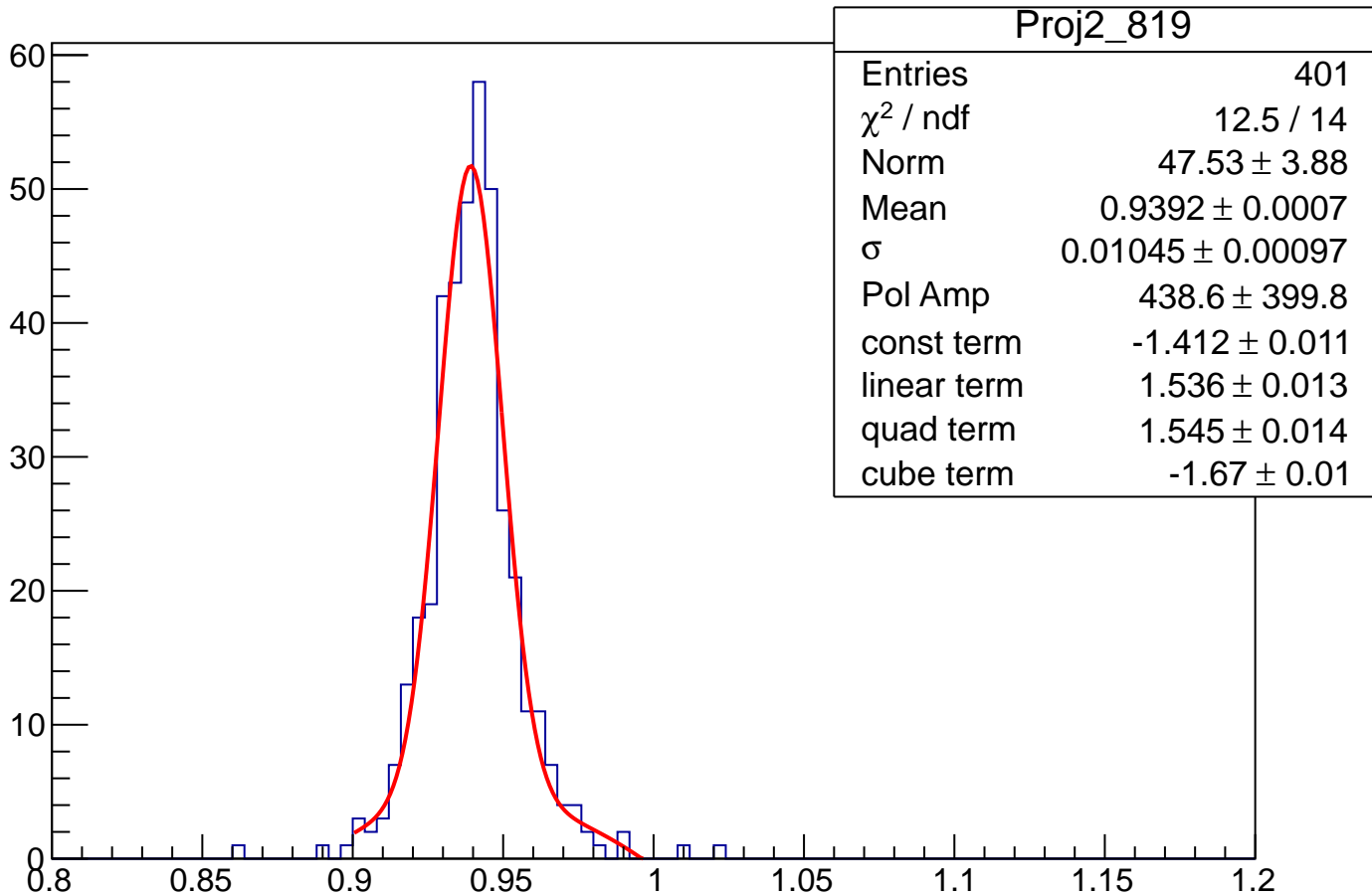
PhiThetaMassPim



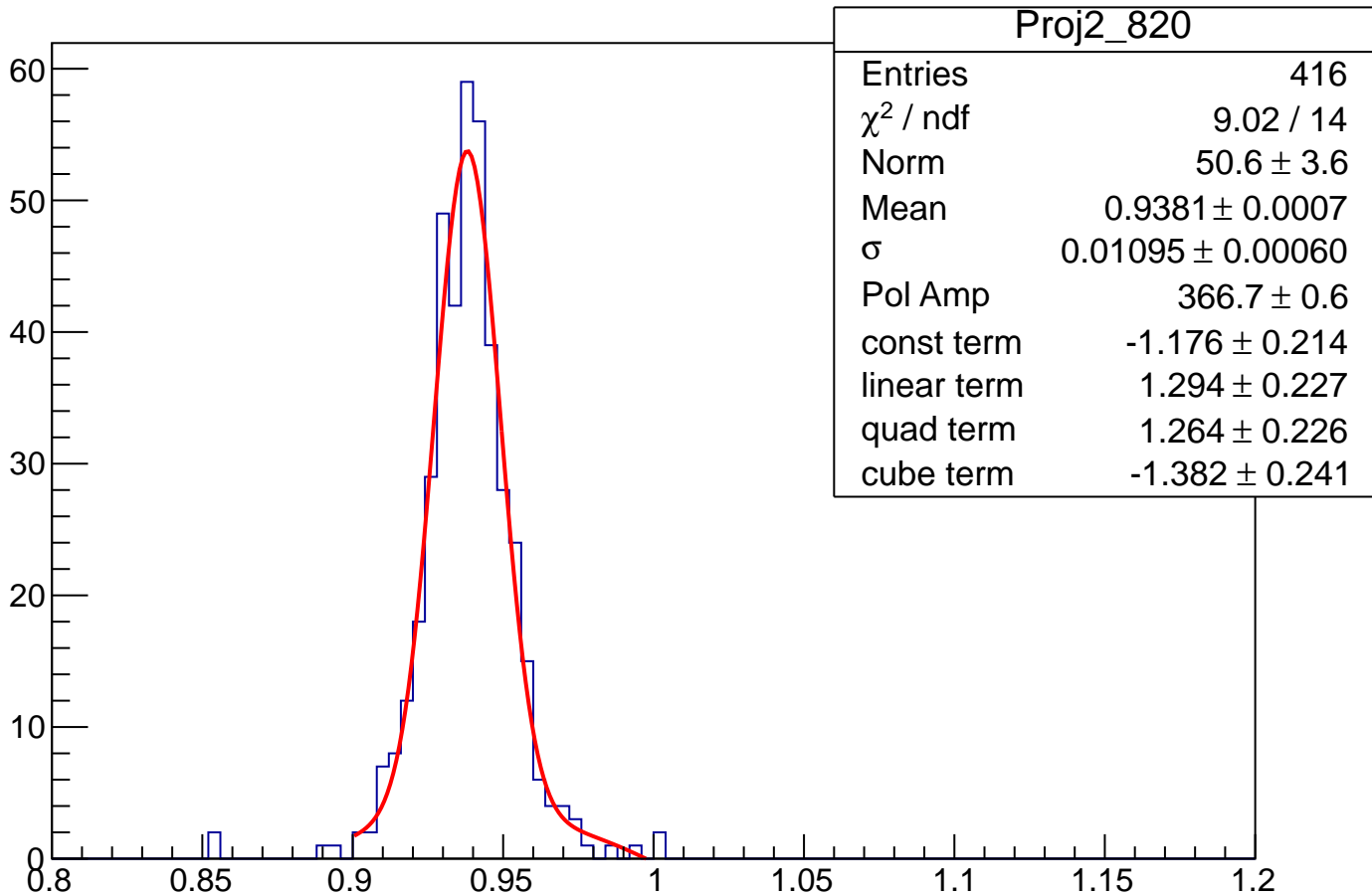
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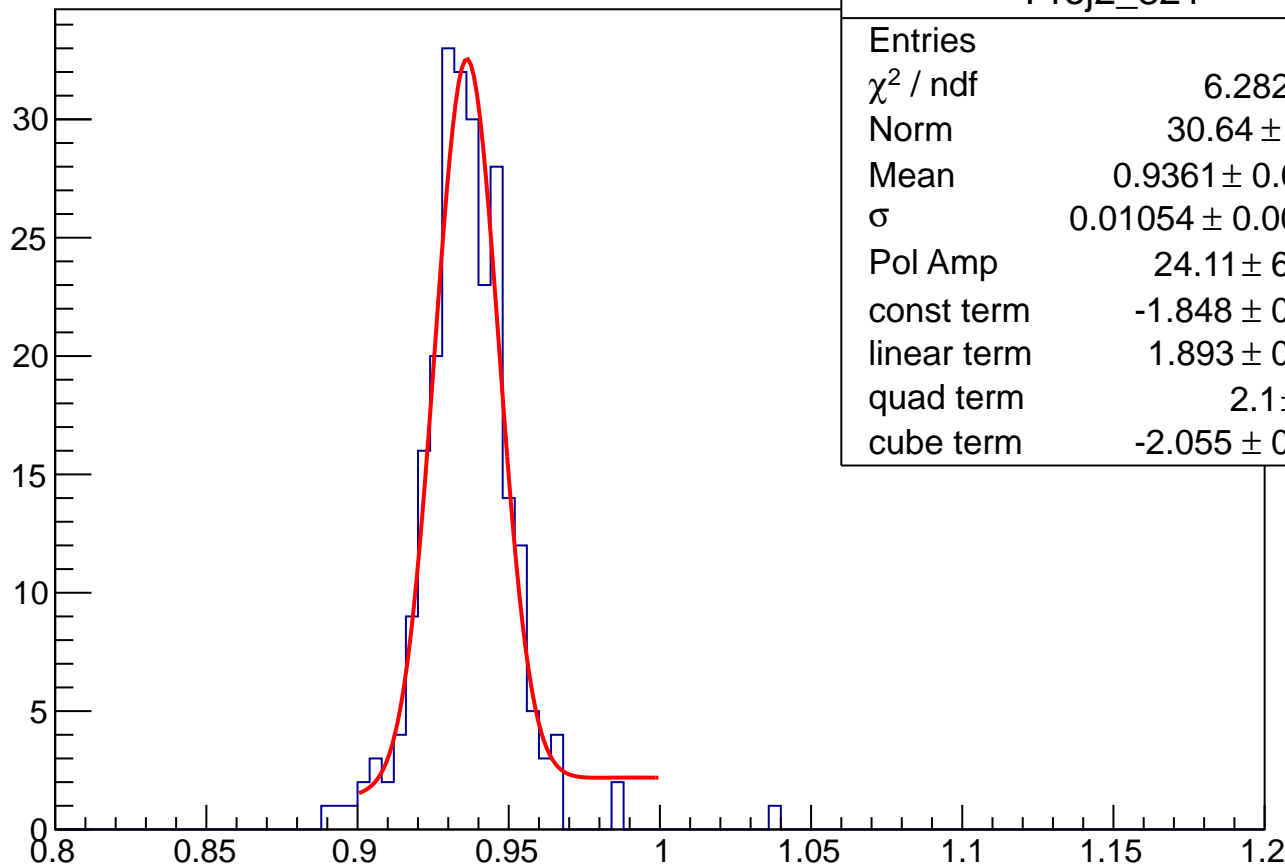
PhiThetaMassPim



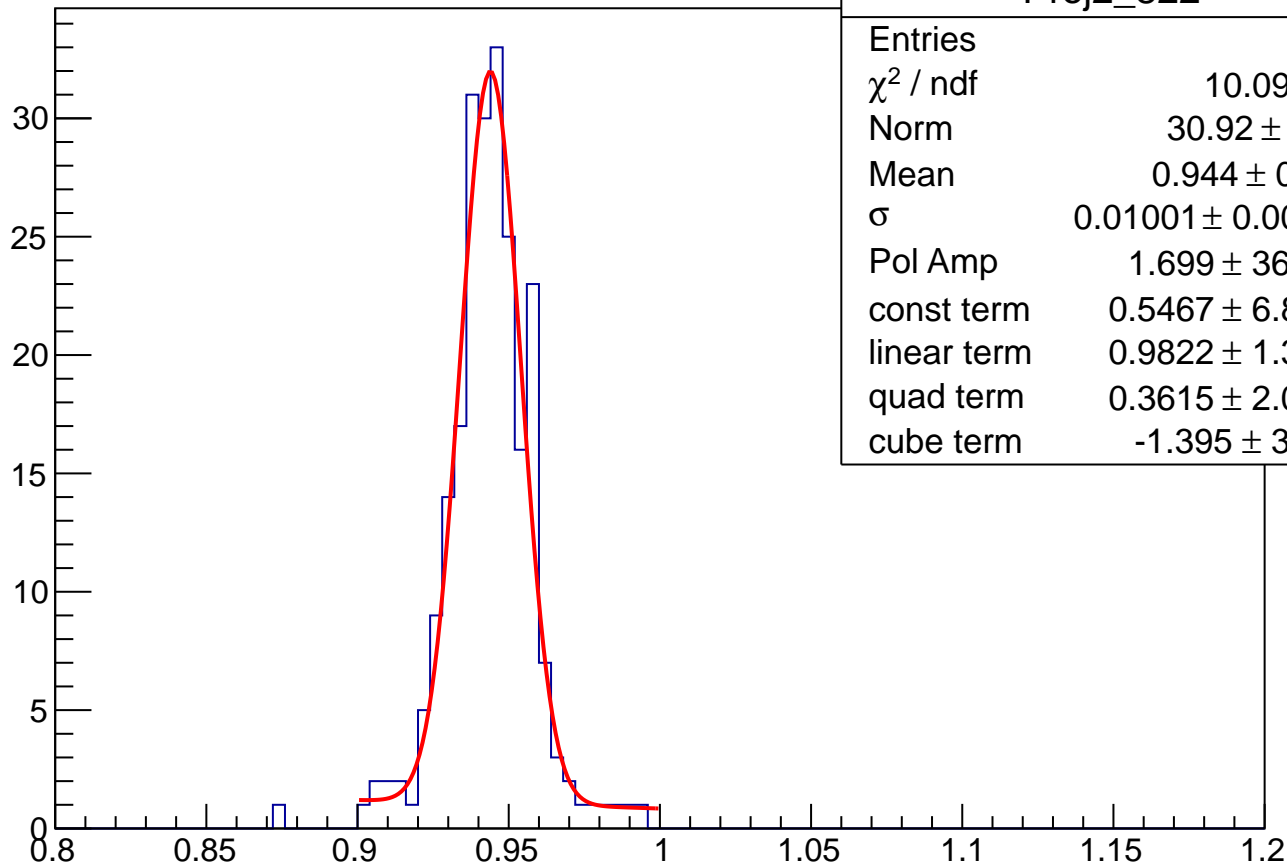
PhiThetaMassPim



PhiThetaMassPim



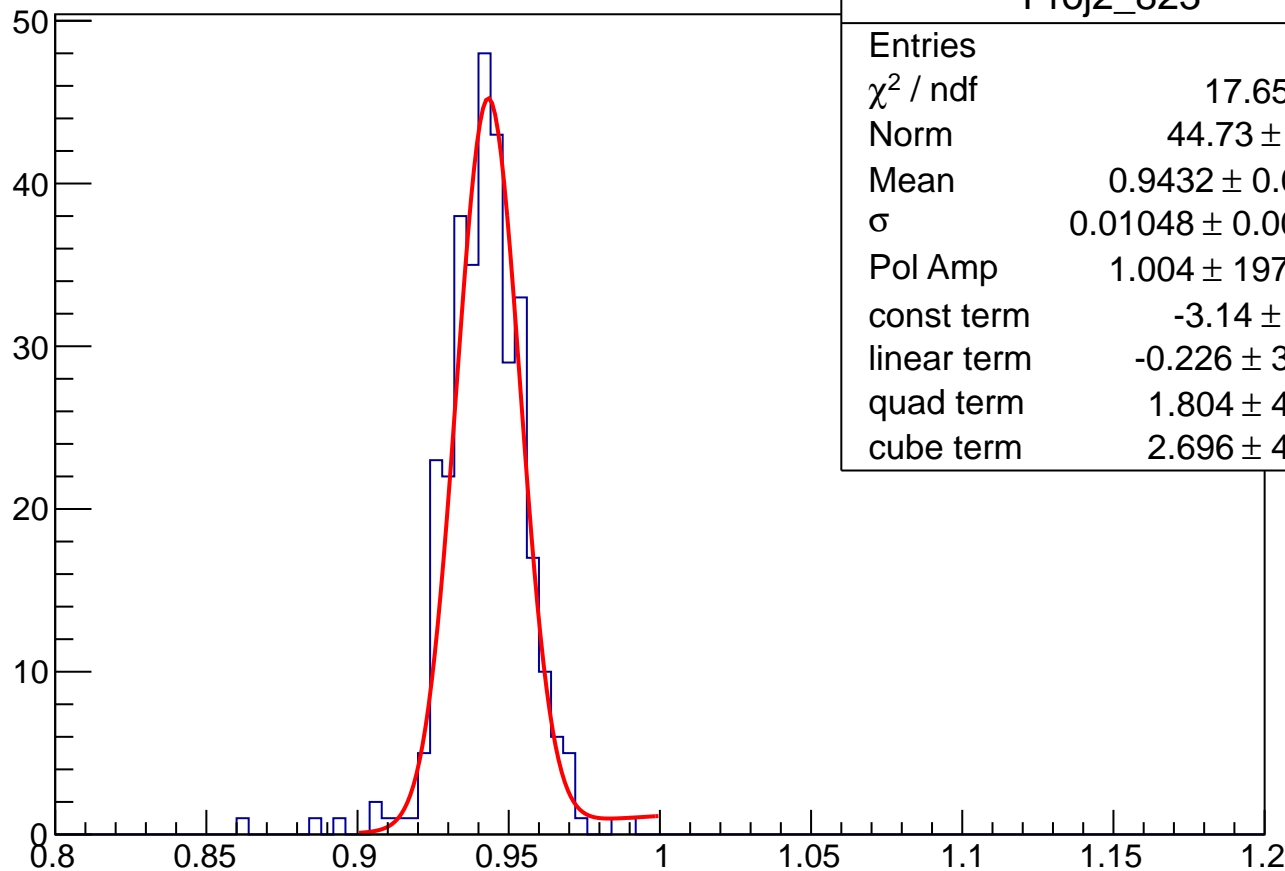
PhiThetaMassPim



Proj2_822

Entries	230
χ^2 / ndf	10.09 / 16
Norm	30.92 ± 2.80
Mean	0.944 ± 0.001
σ	0.01001 ± 0.00067
Pol Amp	1.699 ± 36.032
const term	0.5467 ± 6.8027
linear term	0.9822 ± 1.3968
quad term	0.3615 ± 2.0548
cube term	-1.395 ± 3.294

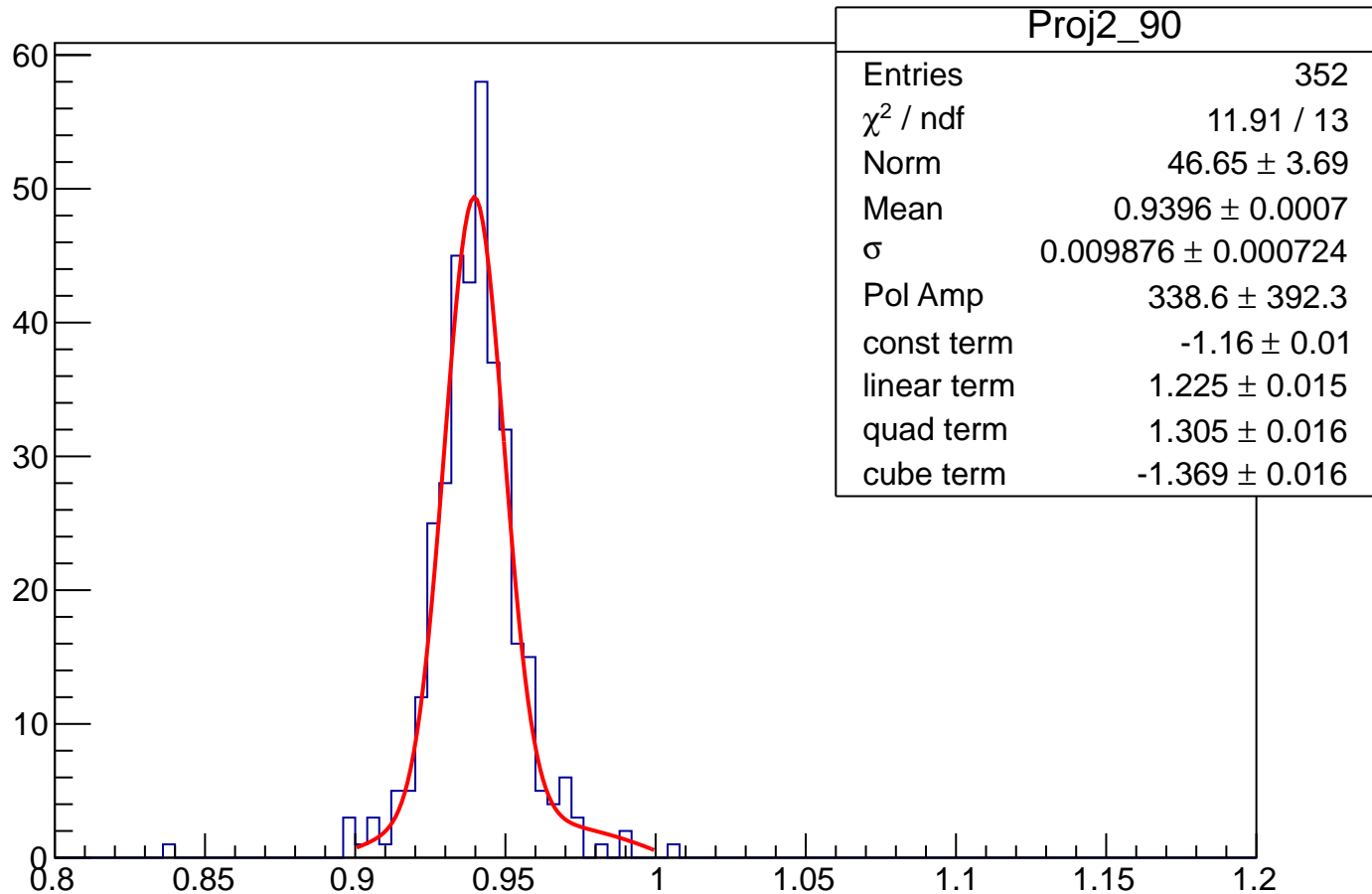
PhiThetaMassPim



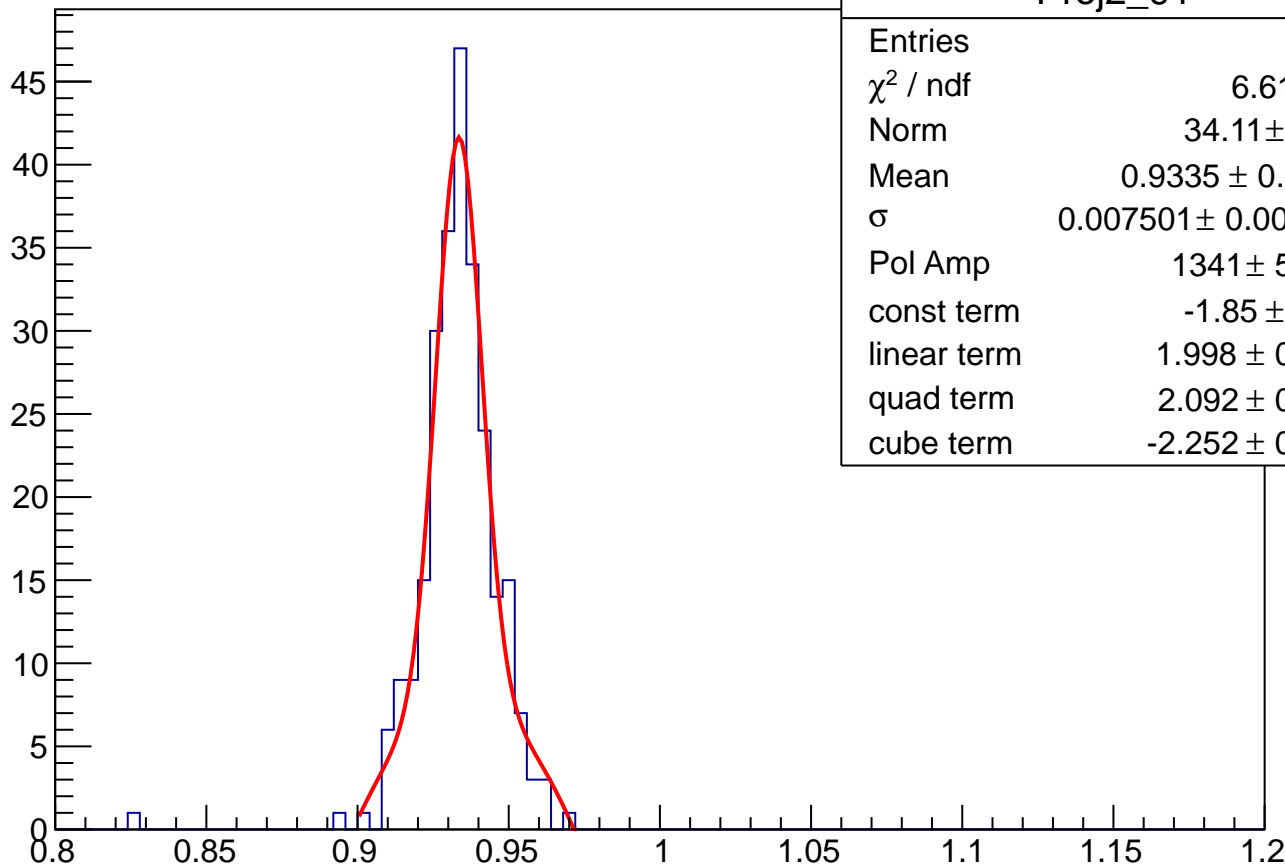
Proj2_823

Entries	325
χ^2 / ndf	17.65 / 12
Norm	44.73 ± 3.18
Mean	0.9432 ± 0.0007
σ	0.01048 ± 0.00055
Pol Amp	1.004 ± 197.446
const term	-3.14 ± 3.86
linear term	-0.226 ± 3.896
quad term	1.804 ± 4.240
cube term	2.696 ± 4.883

PhiThetaMassPim



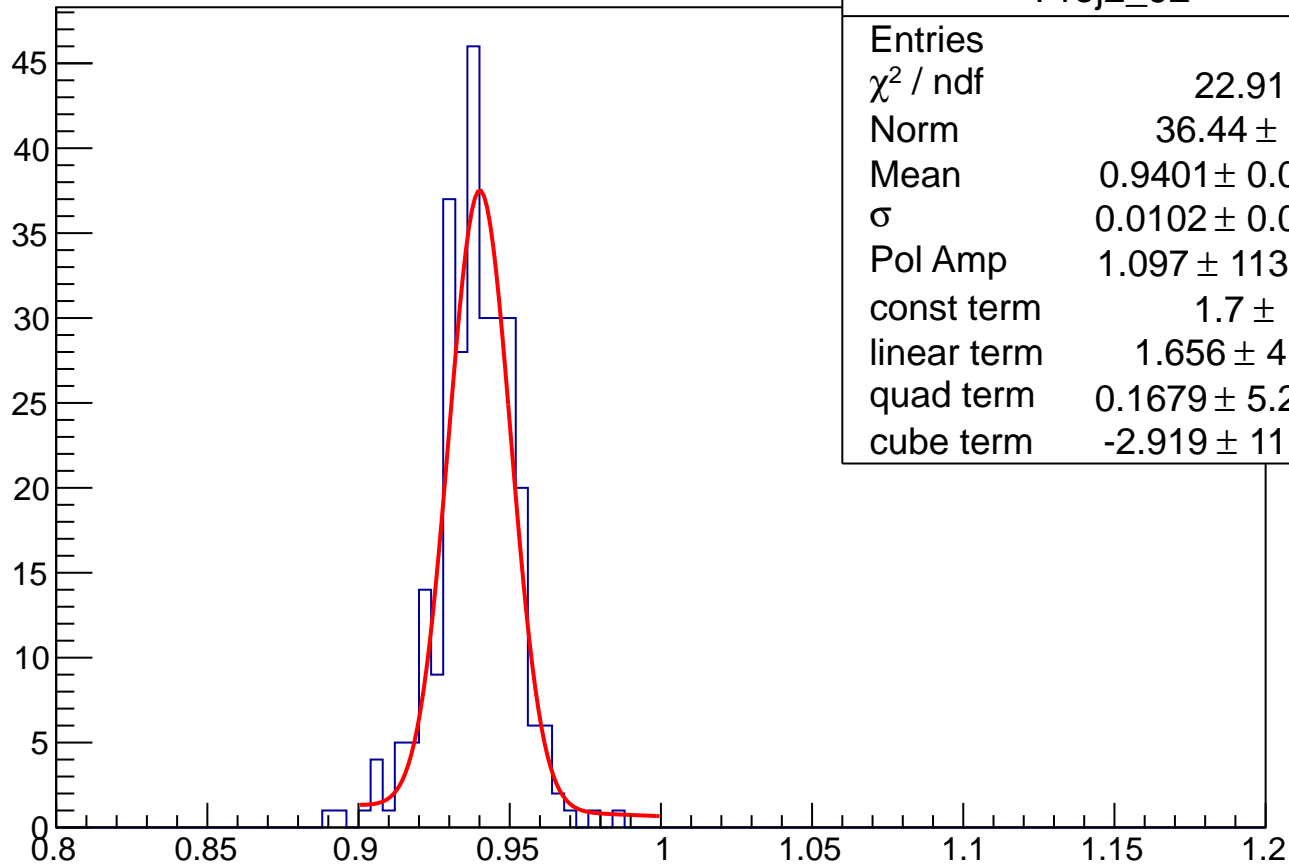
PhiThetaMassPim



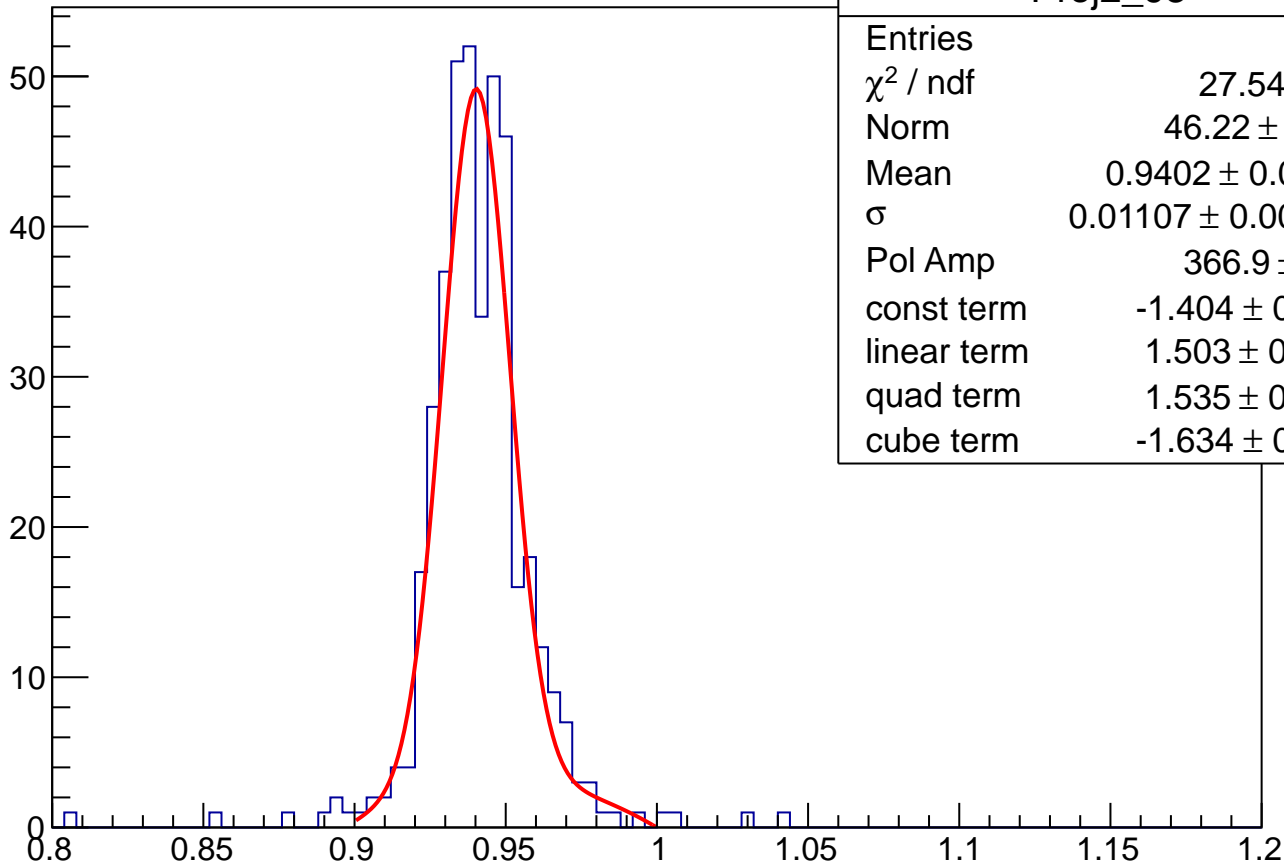
Proj2_91

Entries	256
χ^2 / ndf	6.617 / 8
Norm	34.11 ± 4.24
Mean	0.9335 ± 0.0008
σ	0.007501 ± 0.001188
Pol Amp	1341 ± 572.7
const term	-1.85 ± 0.00
linear term	1.998 ± 0.005
quad term	2.092 ± 0.005
cube term	-2.252 ± 0.005

PhiThetaMassPim



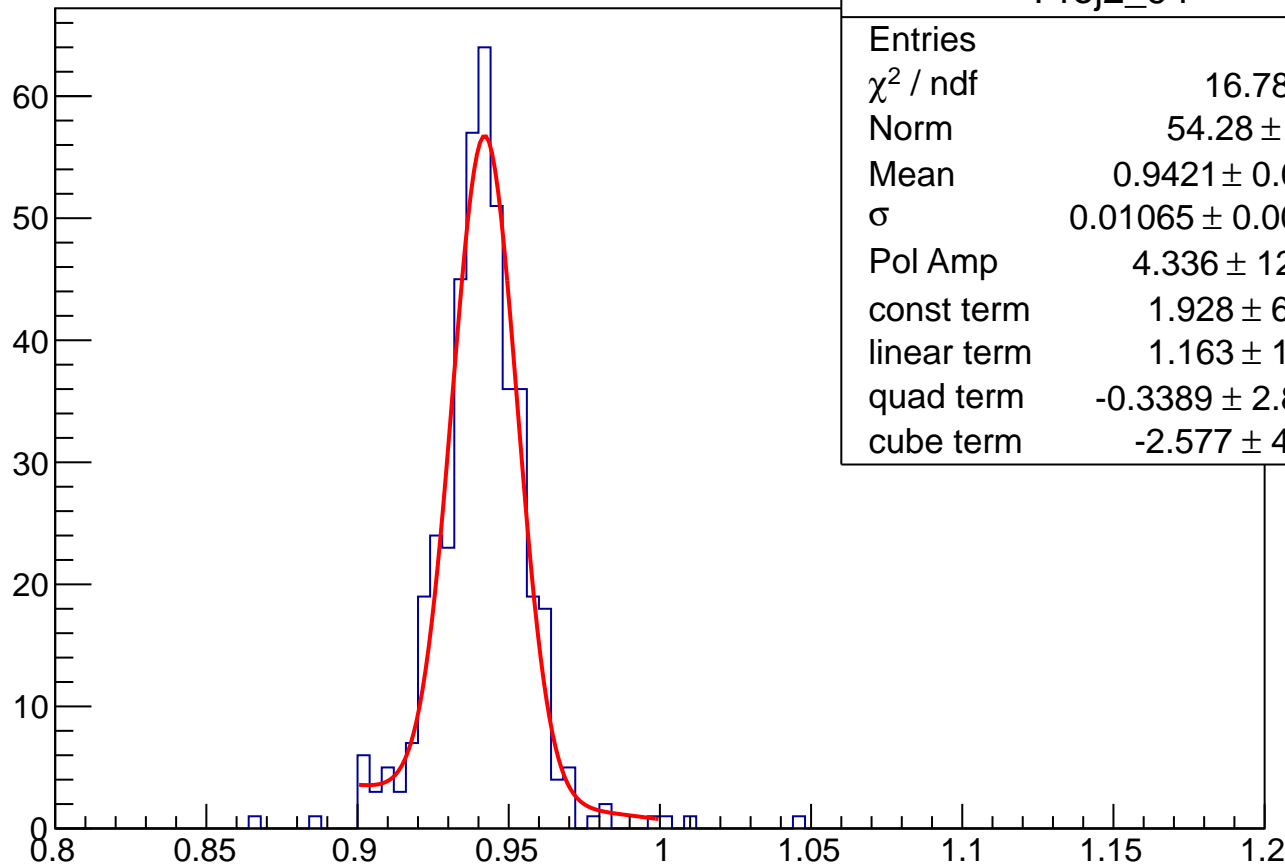
PhiThetaMassPim



Proj2_93

Entries	410
χ^2 / ndf	27.54 / 15
Norm	46.22 ± 3.46
Mean	0.9402 ± 0.0007
σ	0.01107 ± 0.00054
Pol Amp	366.9 ± 0.4
const term	-1.404 ± 0.261
linear term	1.503 ± 0.276
quad term	1.535 ± 0.284
cube term	-1.634 ± 0.301

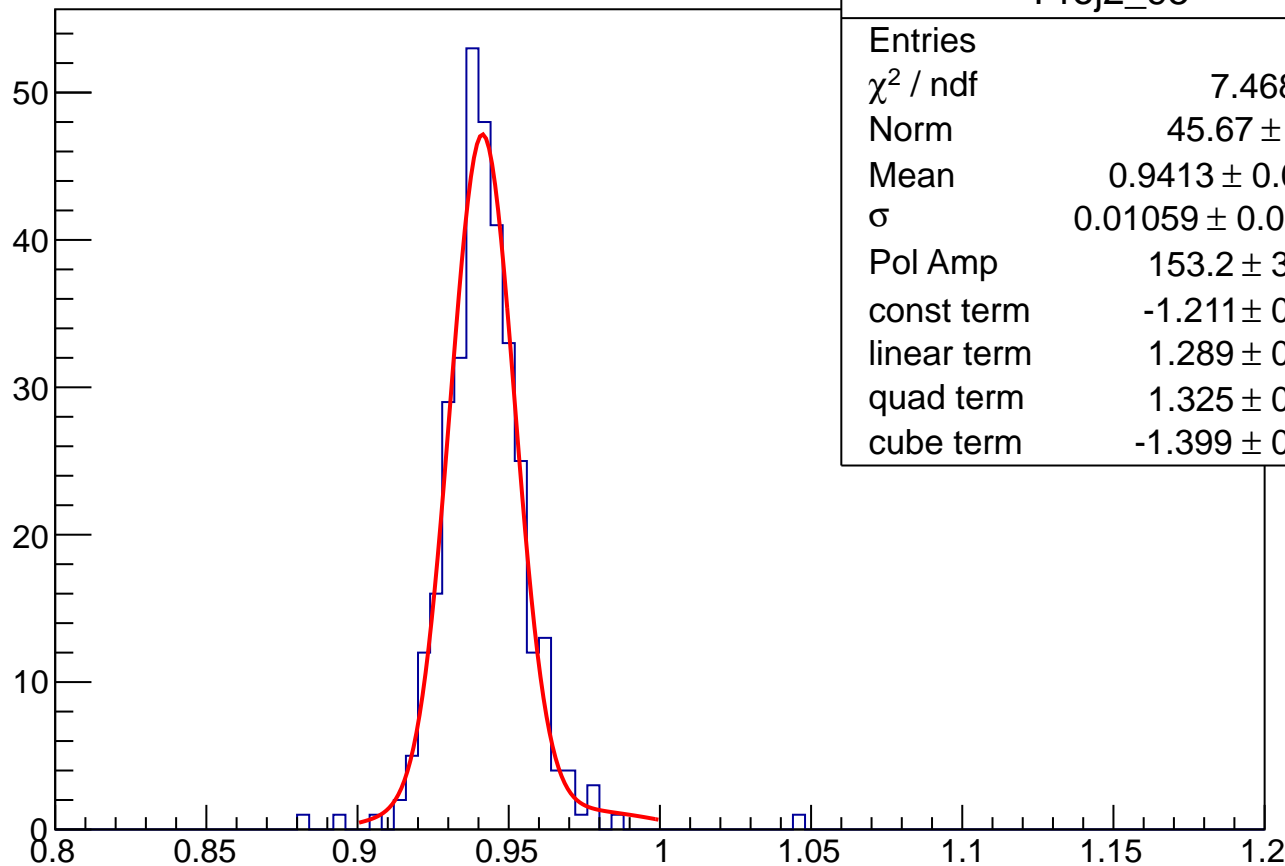
PhiThetaMassPim



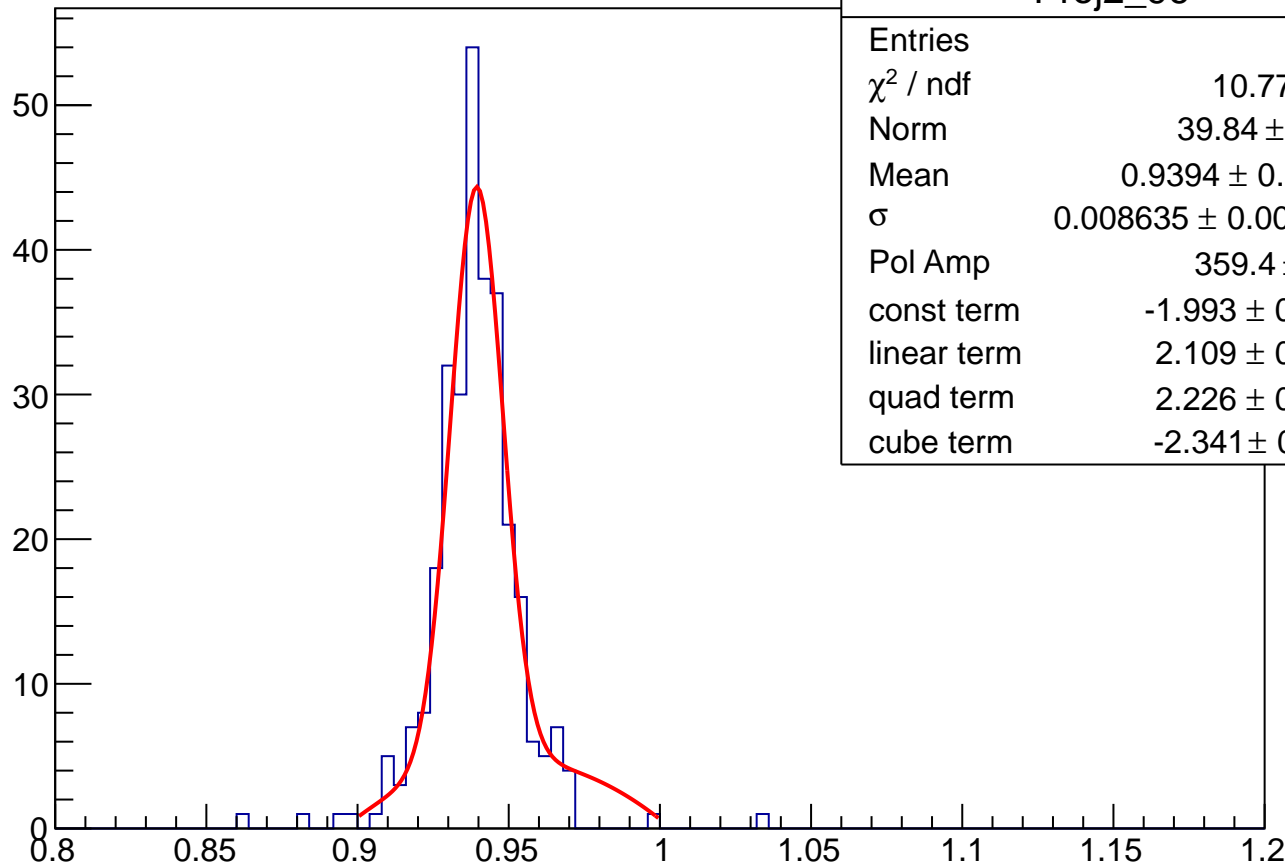
Proj2_94

Entries	434
χ^2 / ndf	16.78 / 13
Norm	54.28 ± 3.58
Mean	0.9421 ± 0.0007
σ	0.01065 ± 0.00060
Pol Amp	4.336 ± 12.441
const term	1.928 ± 6.976
linear term	1.163 ± 1.168
quad term	-0.3389 ± 2.8278
cube term	-2.577 ± 4.812

PhiThetaMassPim



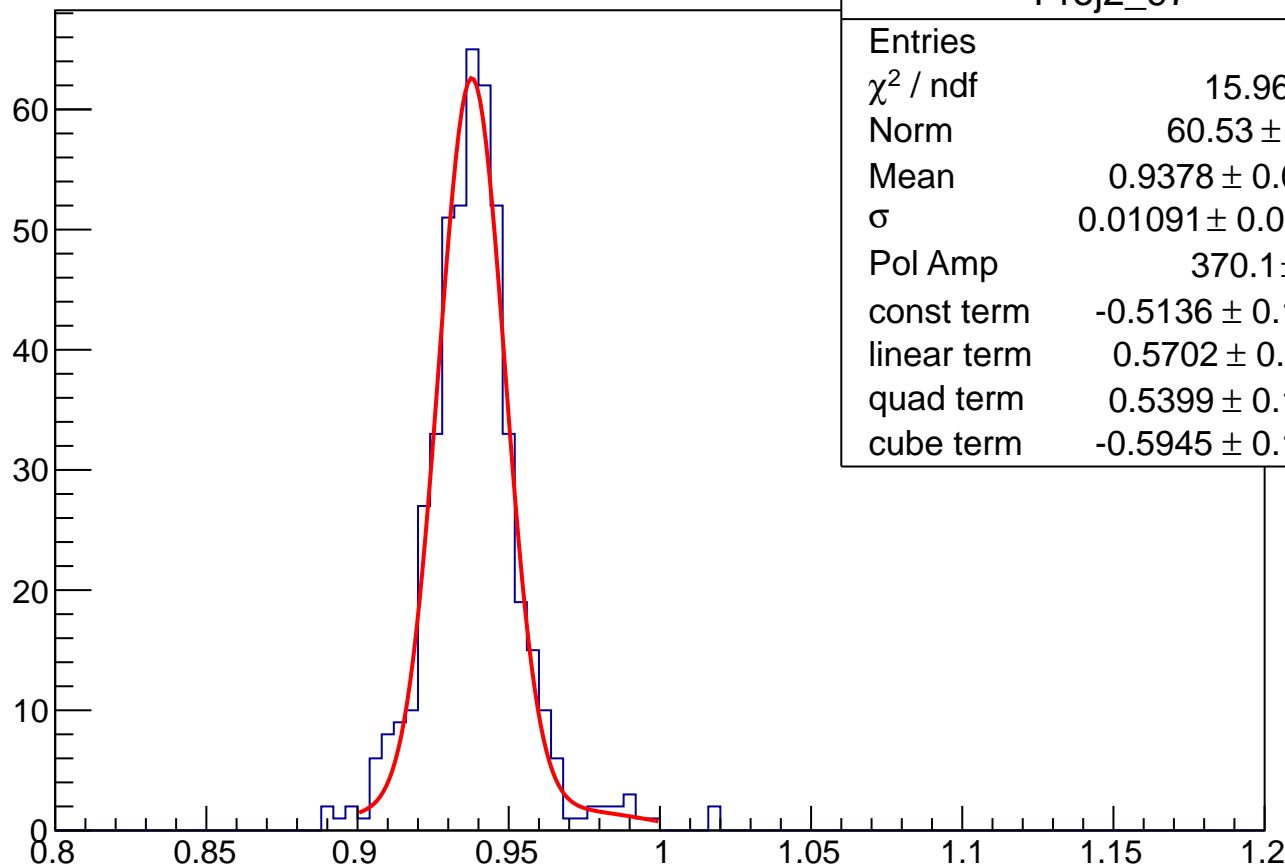
PhiThetaMassPim



Proj2_96

Entries	298
χ^2 / ndf	10.77 / 10
Norm	39.84 ± 3.76
Mean	0.9394 ± 0.0000
σ	0.008635 ± 0.000391
Pol Amp	359.4 ± 0.8
const term	-1.993 ± 0.473
linear term	2.109 ± 0.497
quad term	2.226 ± 0.525
cube term	-2.341 ± 0.550

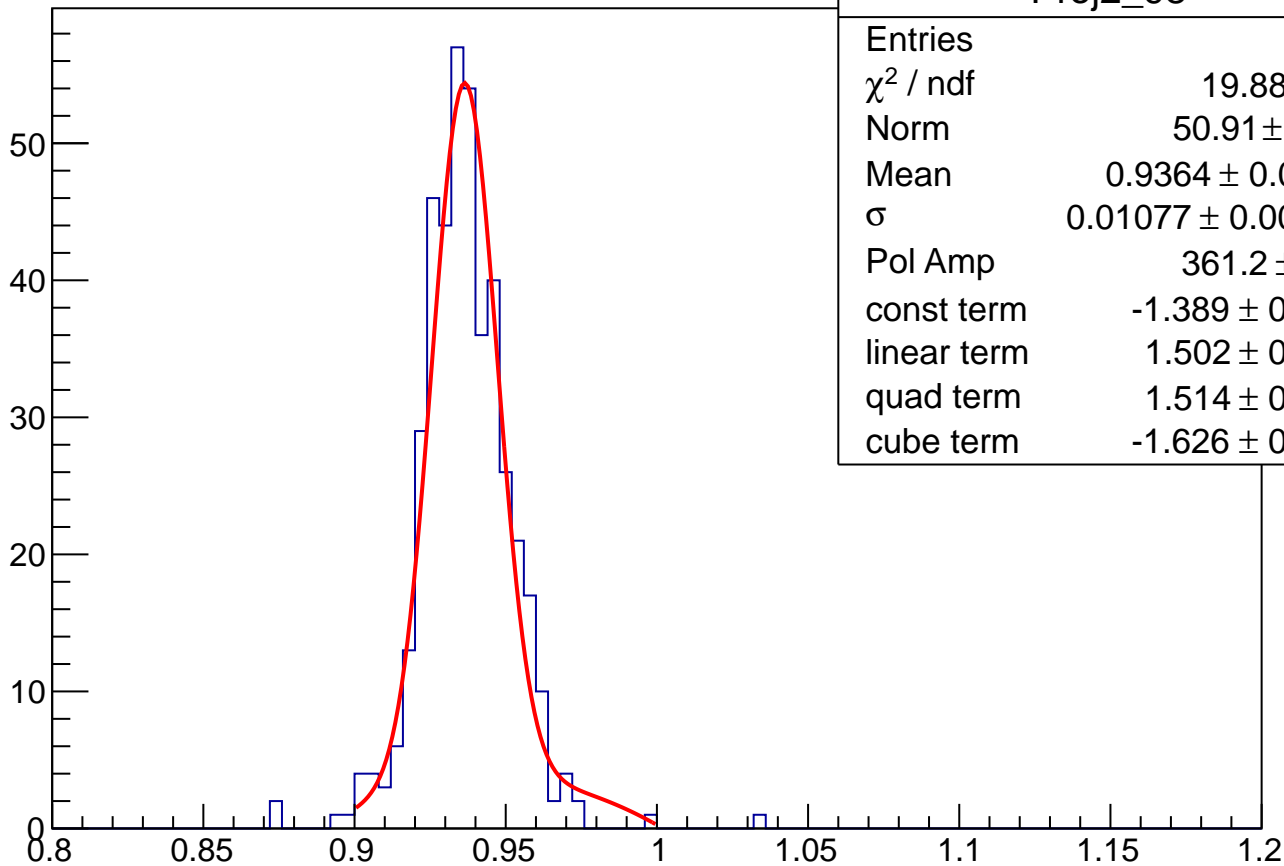
PhiThetaMassPim



Proj2_97

Entries	479
χ^2 / ndf	15.96 / 17
Norm	60.53 ± 3.80
Mean	0.9378 ± 0.0006
σ	0.01091 ± 0.00051
Pol Amp	370.1 ± 0.4
const term	-0.5136 ± 0.1392
linear term	0.5702 ± 0.1491
quad term	0.5399 ± 0.1464
cube term	-0.5945 ± 0.1576

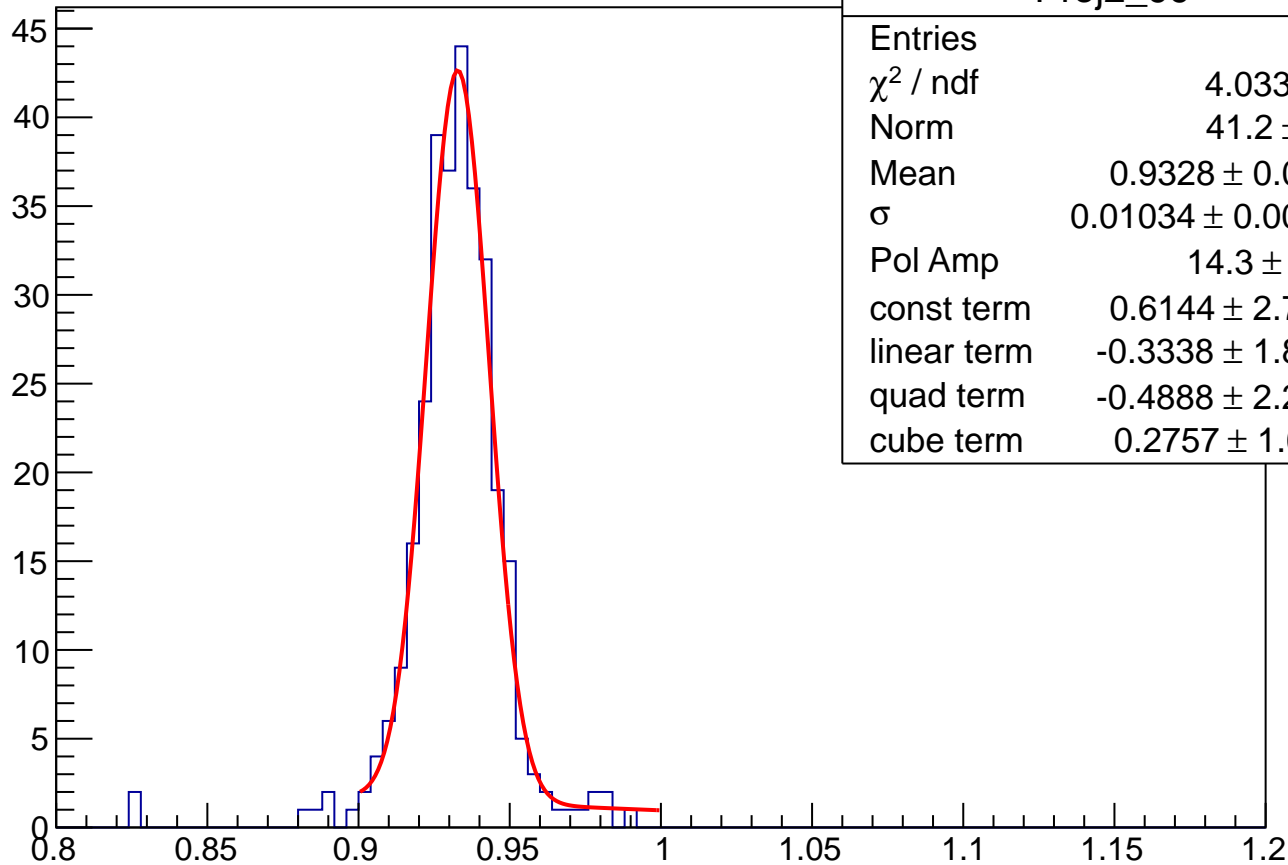
PhiThetaMassPim



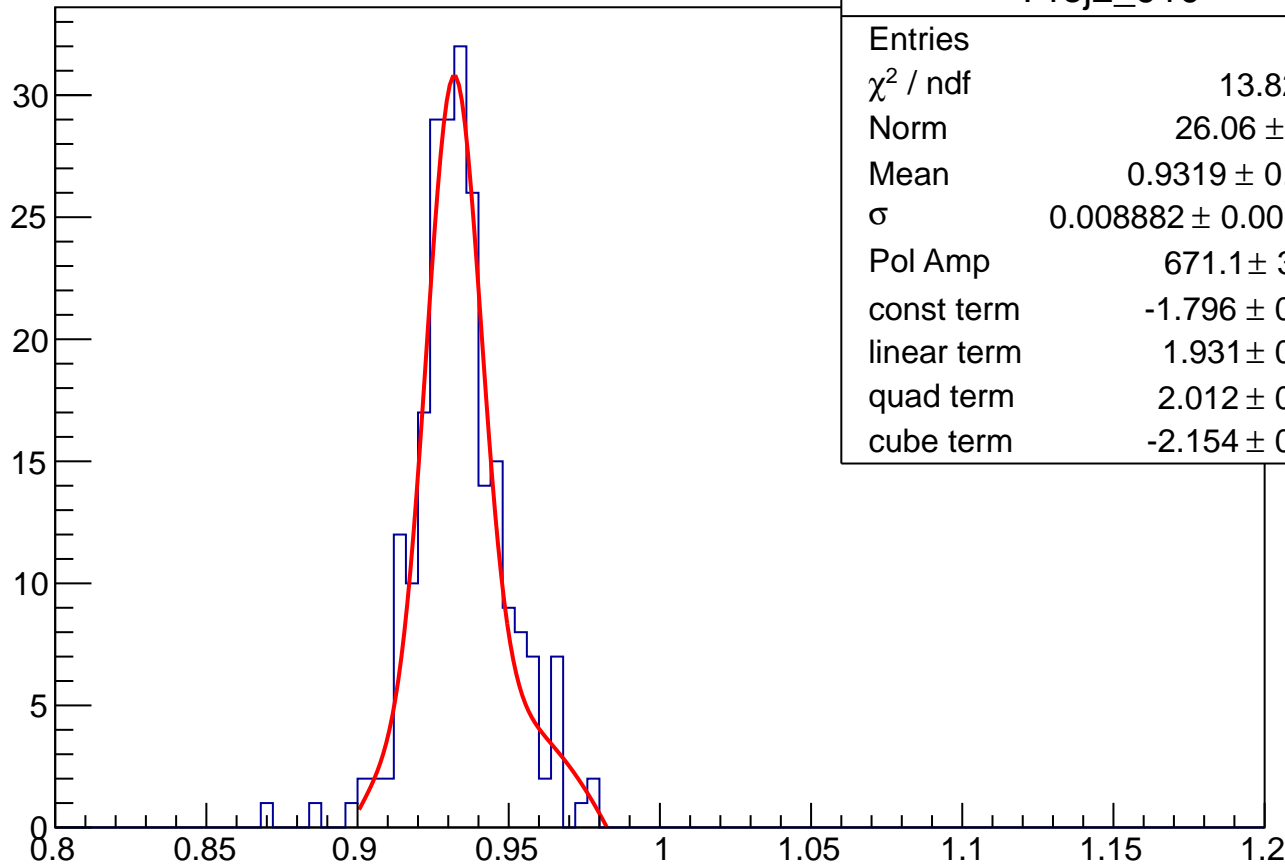
Proj2_98

Entries	424
χ^2 / ndf	19.88 / 12
Norm	50.91 ± 3.61
Mean	0.9364 ± 0.0007
σ	0.01077 ± 0.00056
Pol Amp	361.2 ± 0.8
const term	-1.389 ± 0.284
linear term	1.502 ± 0.294
quad term	1.514 ± 0.302
cube term	-1.626 ± 0.313

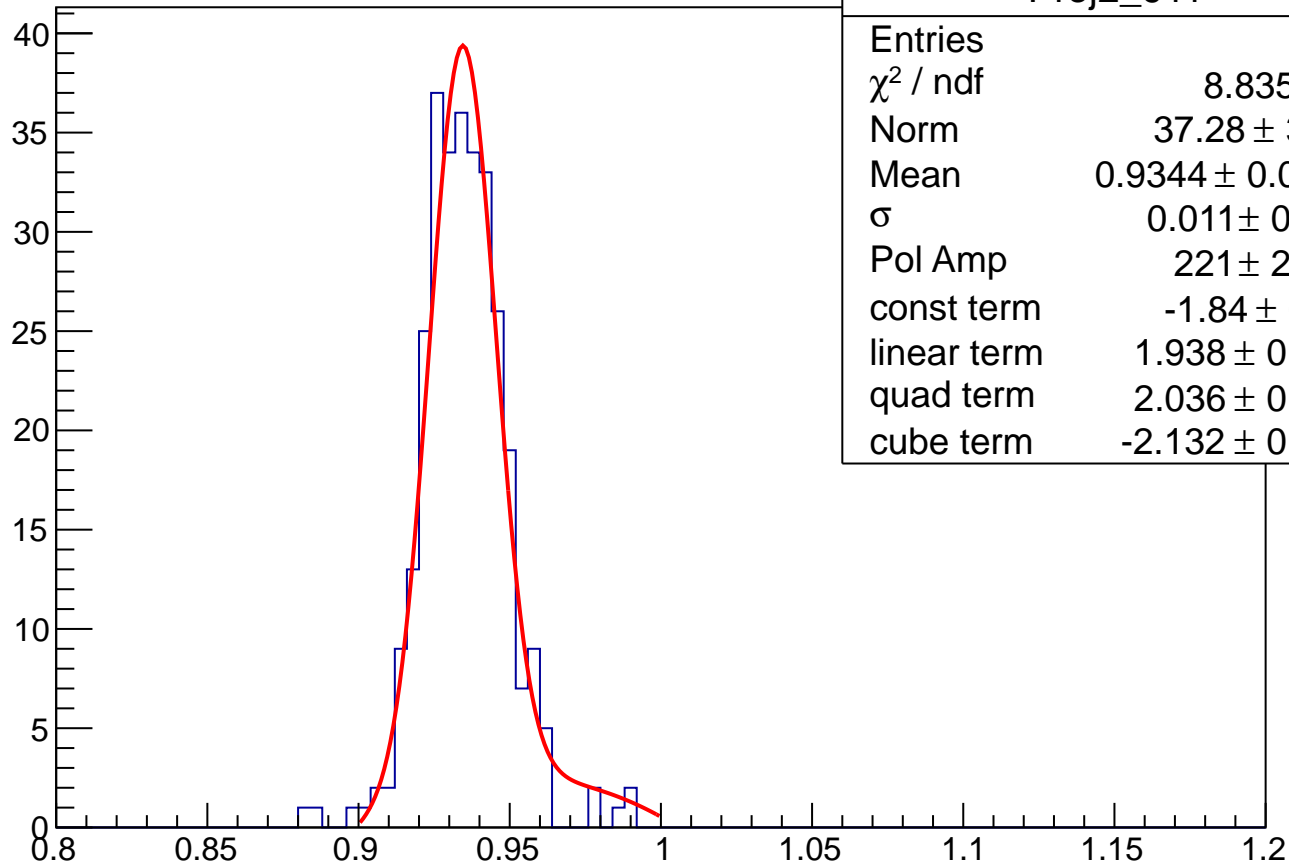
PhiThetaMassPim



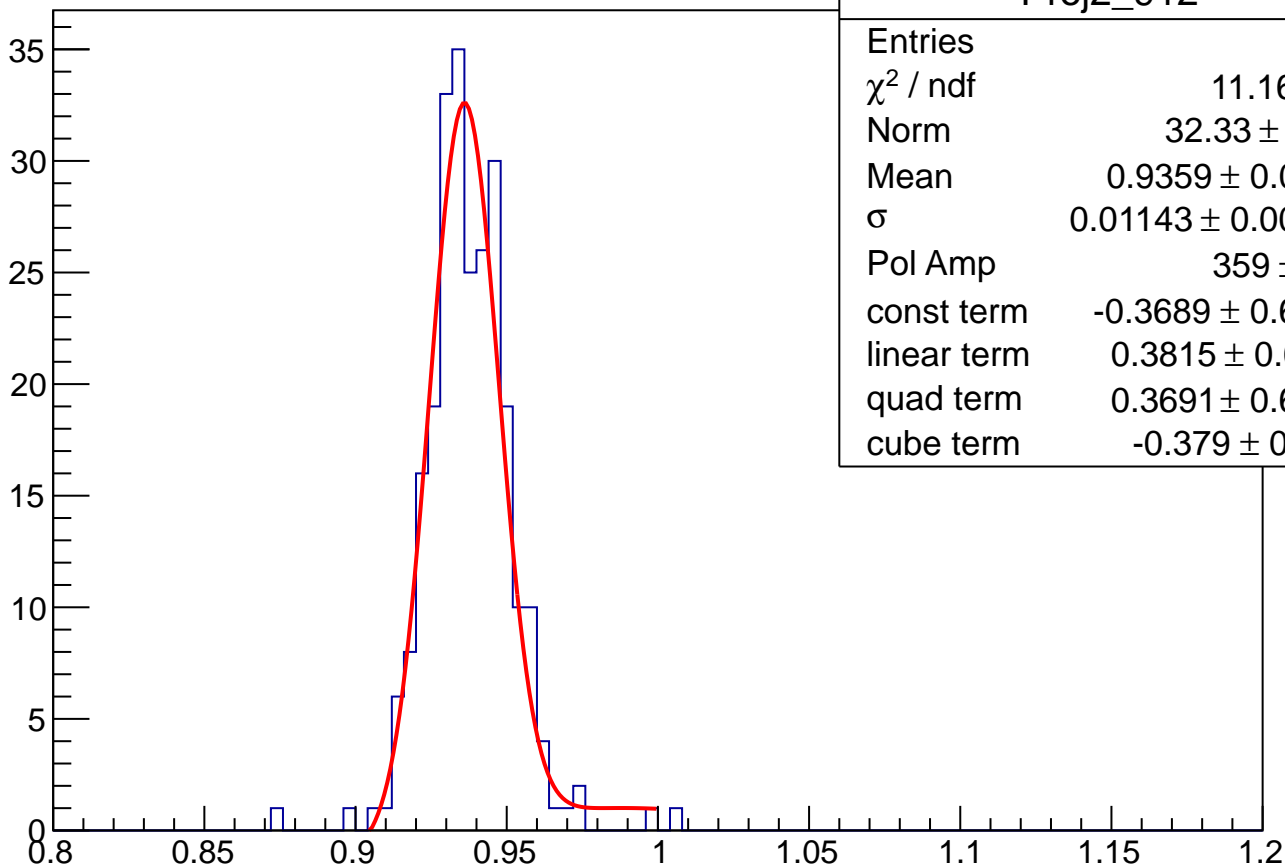
PhiThetaMassPim



PhiThetaMassPim



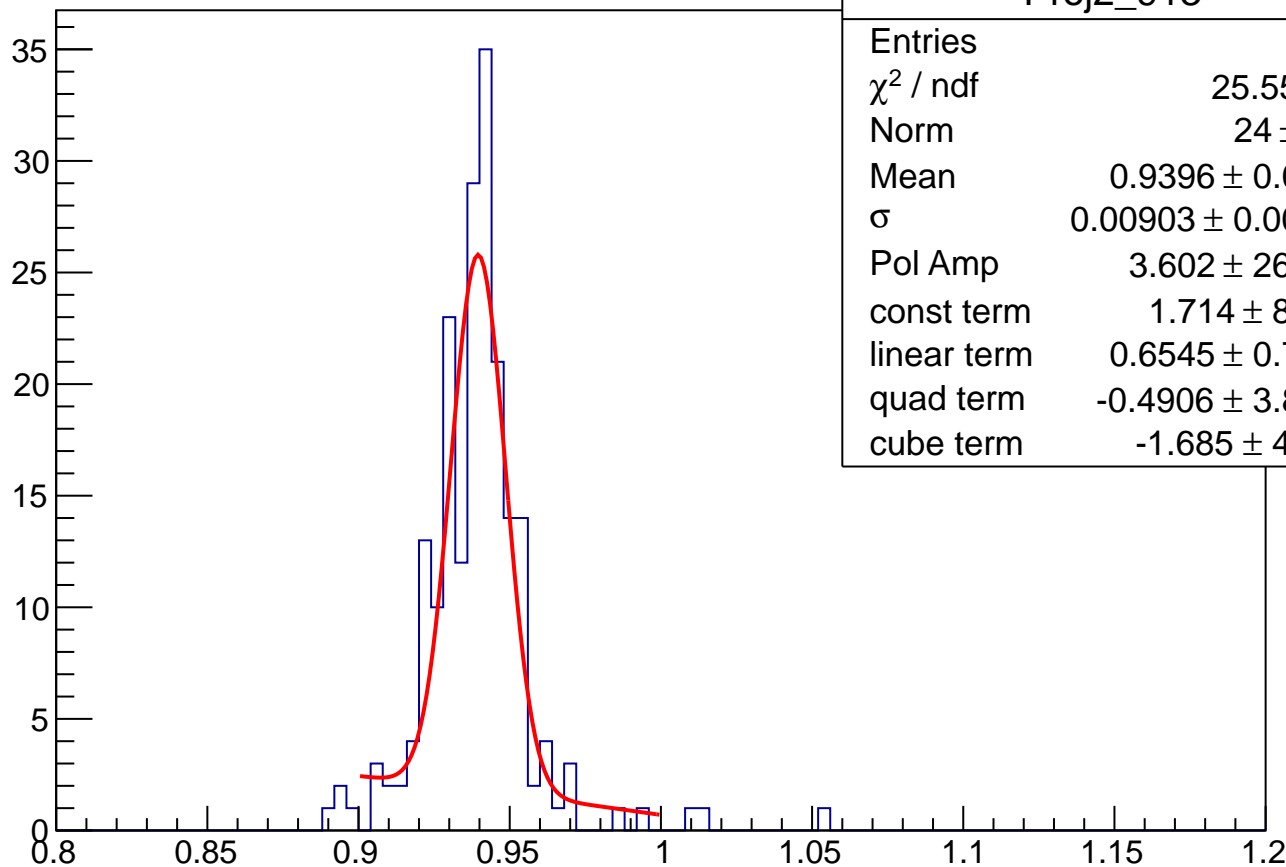
PhiThetaMassPim



Proj2_912

Entries	252
χ^2 / ndf	11.16 / 11
Norm	32.33 ± 2.66
Mean	0.9359 ± 0.0004
σ	0.01143 ± 0.00086
Pol Amp	359 ± 2.0
const term	-0.3689 ± 0.6124
linear term	0.3815 ± 0.6501
quad term	0.3691 ± 0.6829
cube term	-0.379 ± 0.723

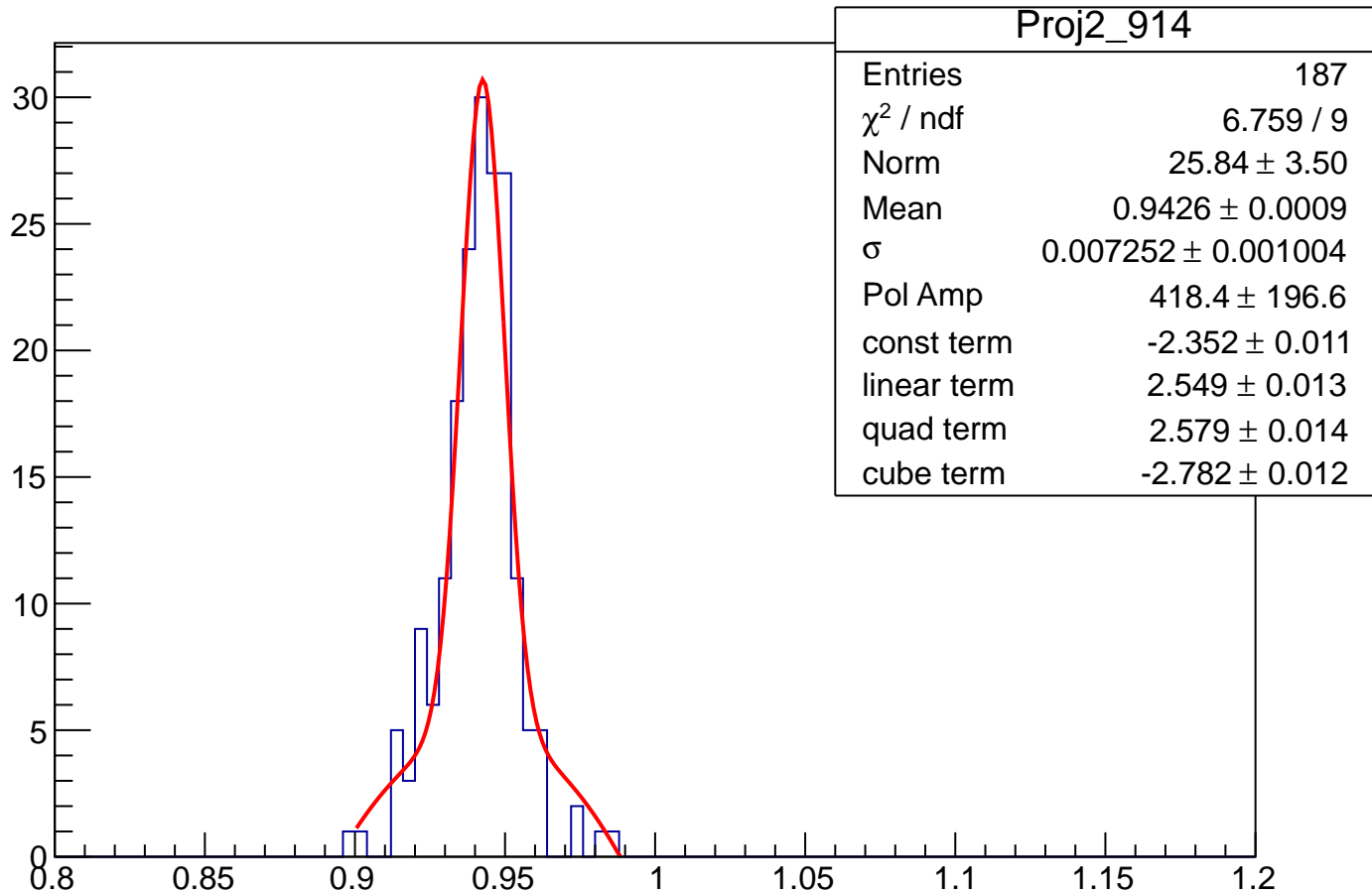
PhiThetaMassPim



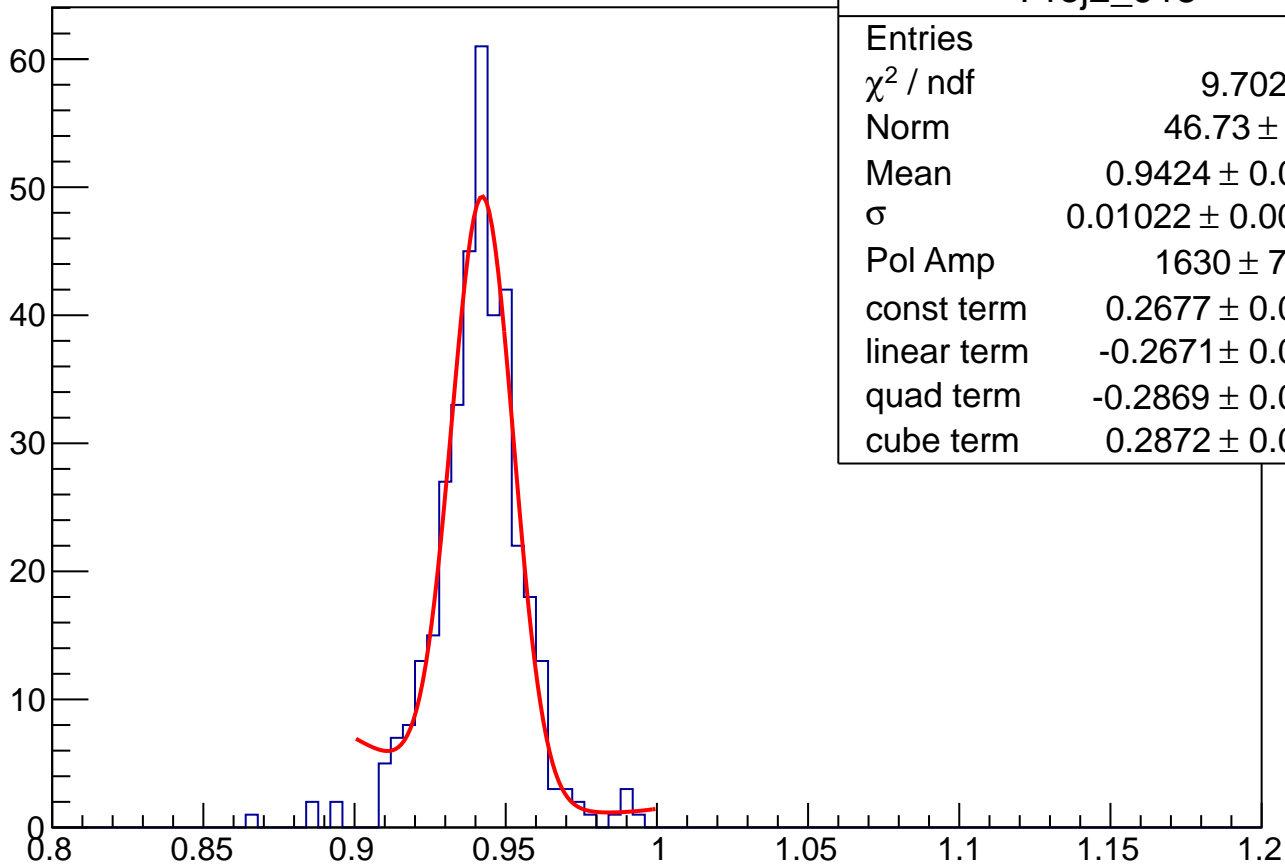
Proj2_913

Entries	201
χ^2 / ndf	25.55 / 11
Norm	24 ± 2.9
Mean	0.9396 ± 0.0012
σ	0.00903 ± 0.00105
Pol Amp	3.602 ± 26.213
const term	1.714 ± 8.742
linear term	0.6545 ± 0.7506
quad term	-0.4906 ± 3.8807
cube term	-1.685 ± 4.628

PhiThetaMassPim



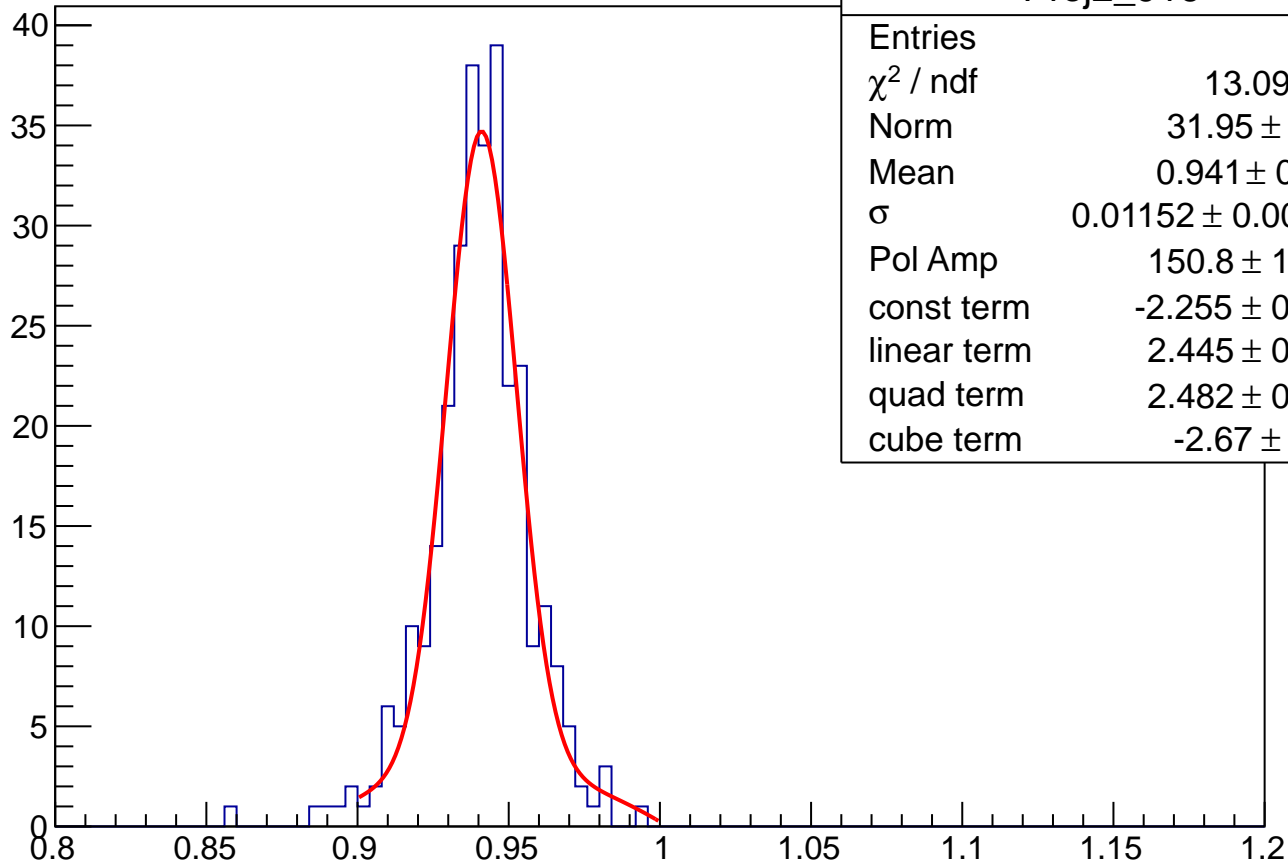
PhiThetaMassPim



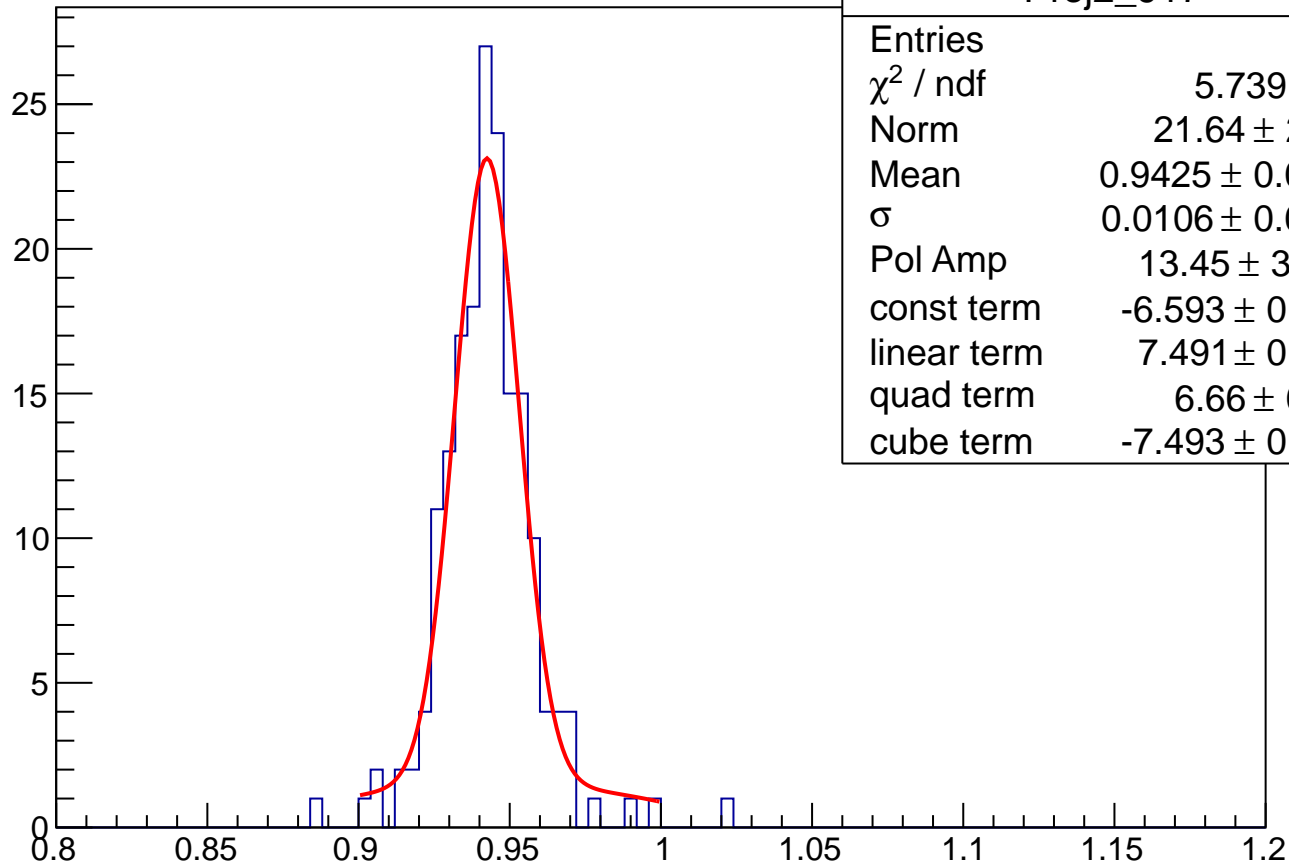
Proj2_915

Entries	368
χ^2 / ndf	9.702 / 13
Norm	46.73 ± 3.59
Mean	0.9424 ± 0.0007
σ	0.01022 ± 0.00069
Pol Amp	1630 ± 716.8
const term	0.2677 ± 0.0032
linear term	-0.2671 ± 0.0033
quad term	-0.2869 ± 0.0033
cube term	0.2872 ± 0.0033

PhiThetaMassPim



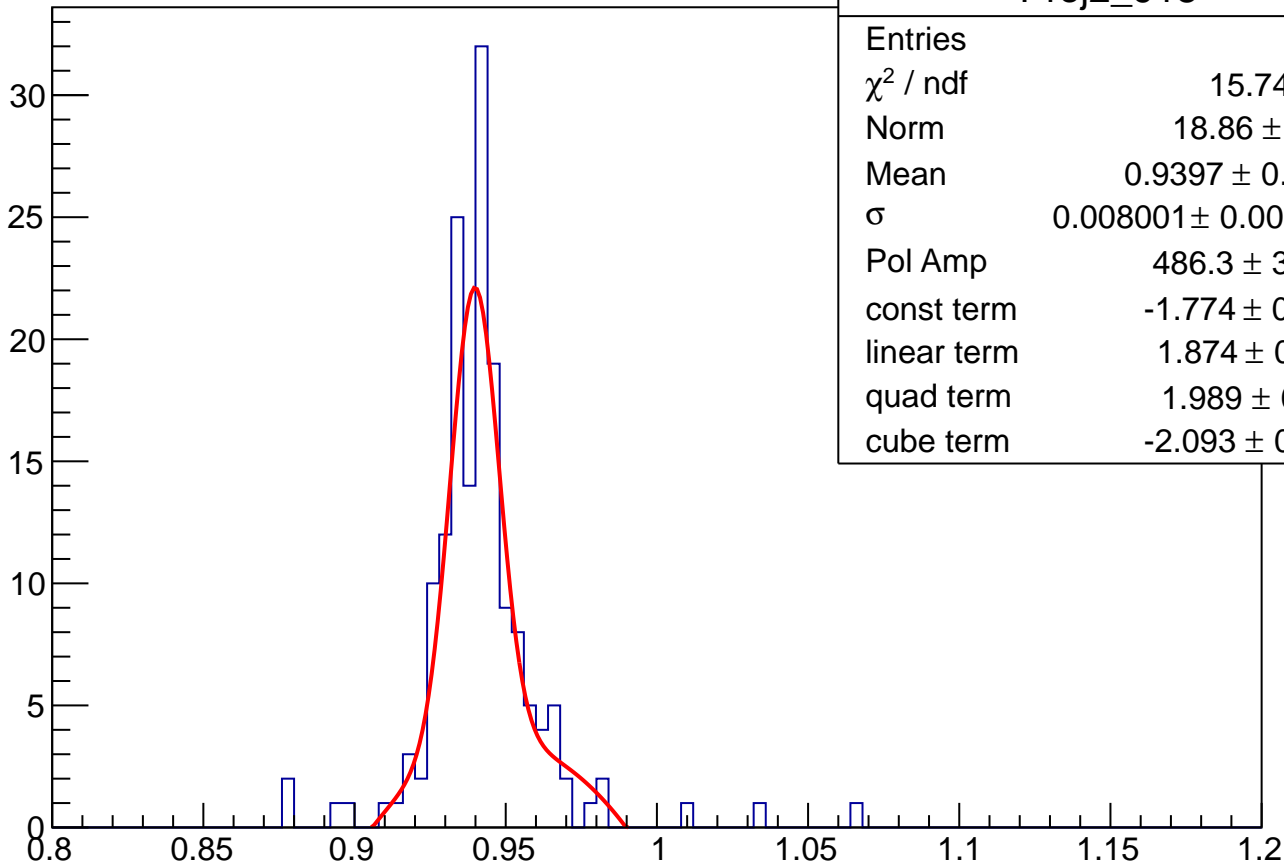
PhiThetaMassPim



Proj2_917

Entries	178
χ^2 / ndf	5.739 / 12
Norm	21.64 ± 2.47
Mean	0.9425 ± 0.0011
σ	0.0106 ± 0.0011
Pol Amp	13.45 ± 34.71
const term	-6.593 ± 0.302
linear term	7.491 ± 0.345
quad term	6.66 ± 0.35
cube term	-7.493 ± 0.309

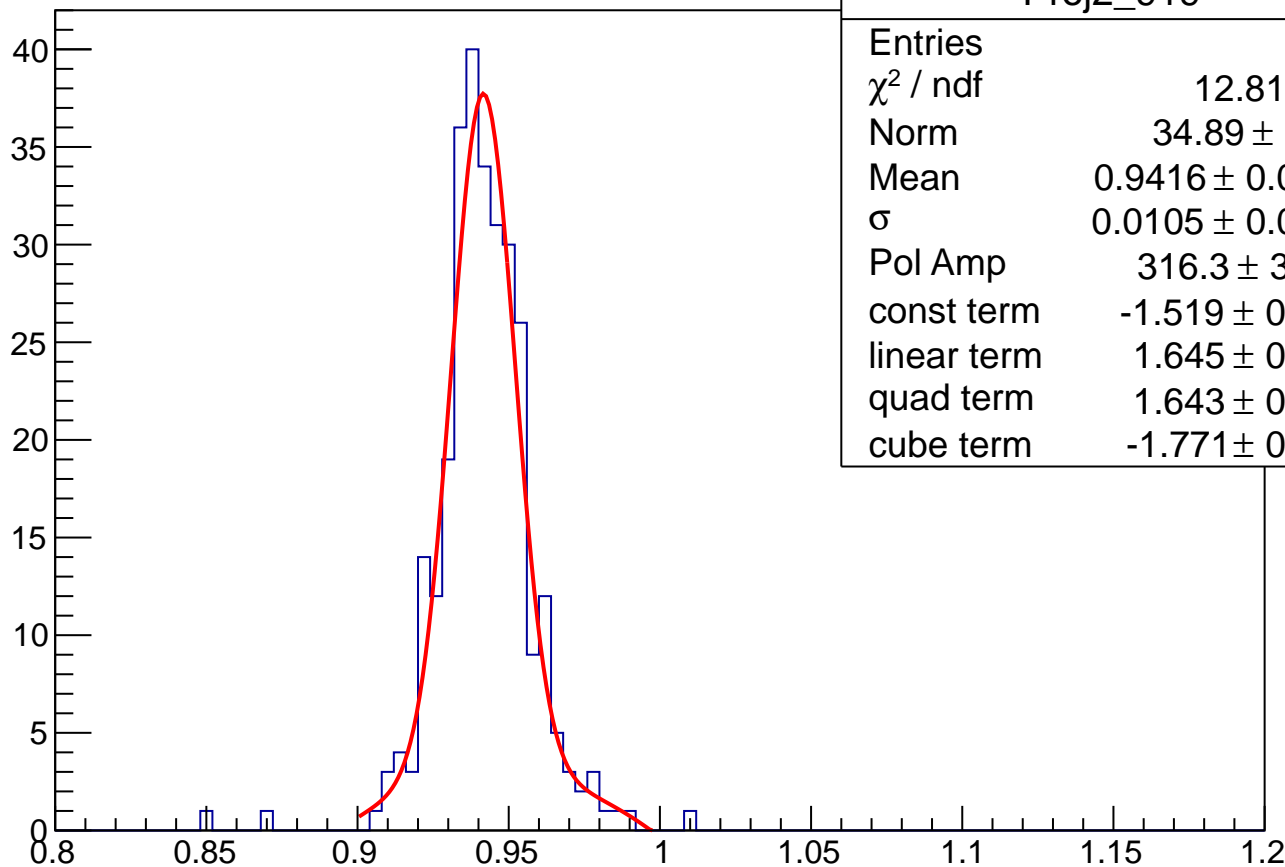
PhiThetaMassPim



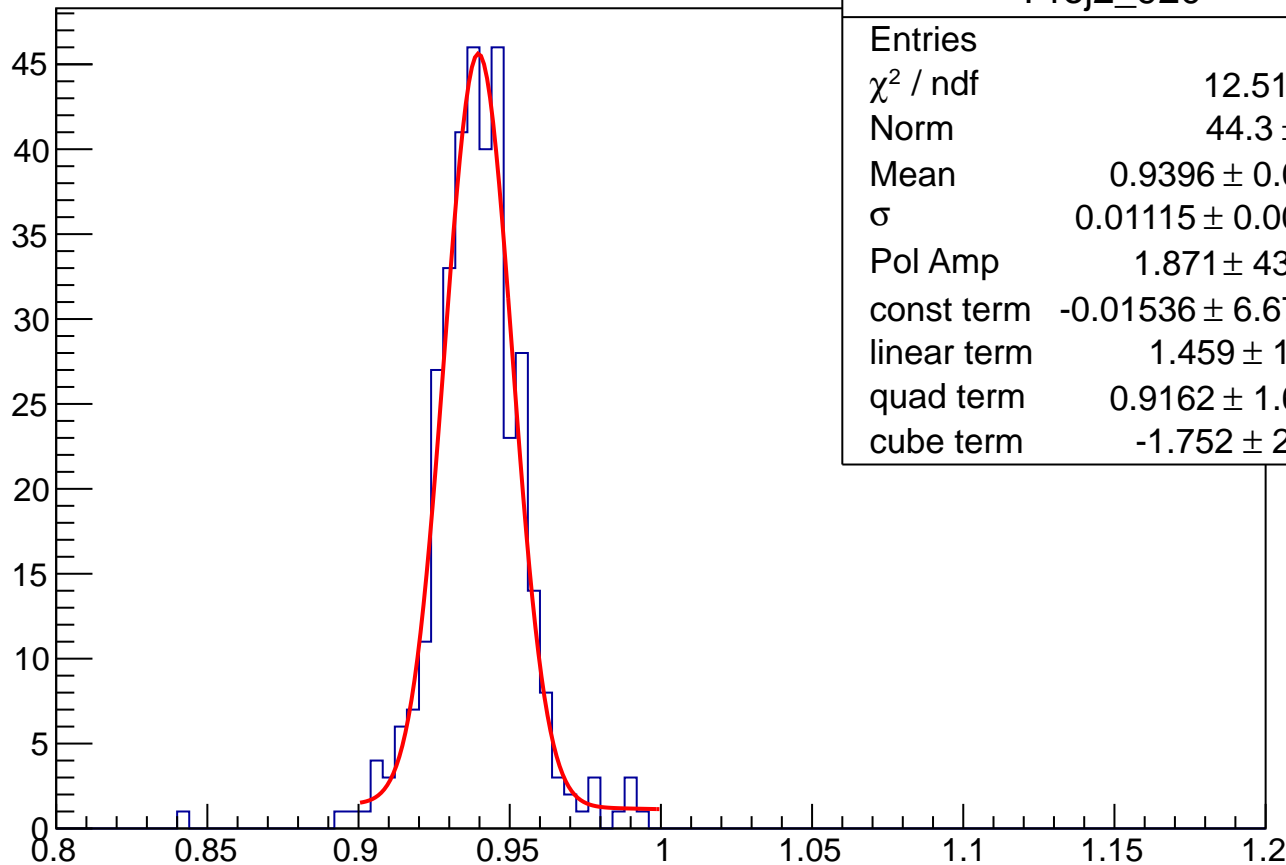
Proj2_918

Entries	162
χ^2 / ndf	15.74 / 10
Norm	18.86 ± 2.88
Mean	0.9397 ± 0.0011
σ	0.008001 ± 0.001125
Pol Amp	486.3 ± 357.7
const term	-1.774 ± 0.009
linear term	1.874 ± 0.010
quad term	1.989 ± 0.011
cube term	-2.093 ± 0.010

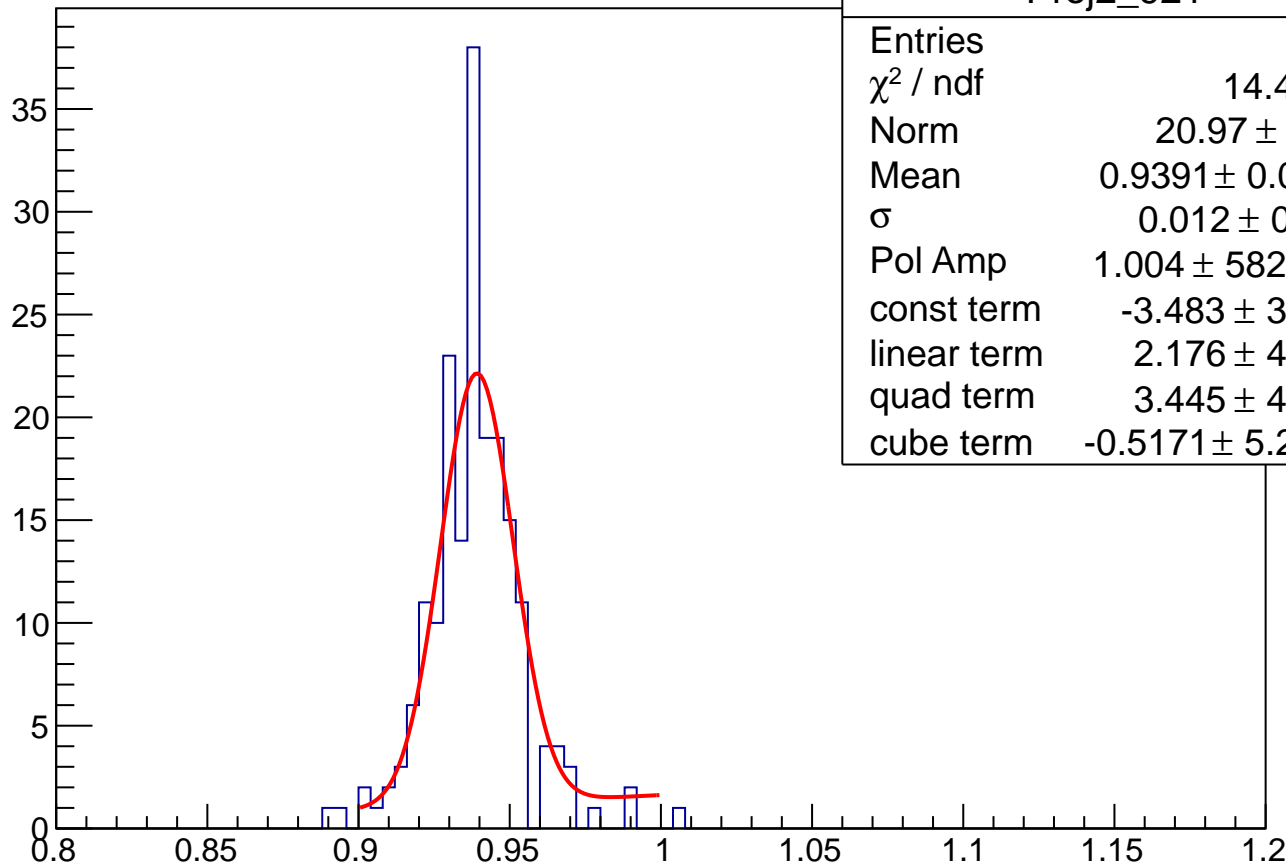
PhiThetaMassPim



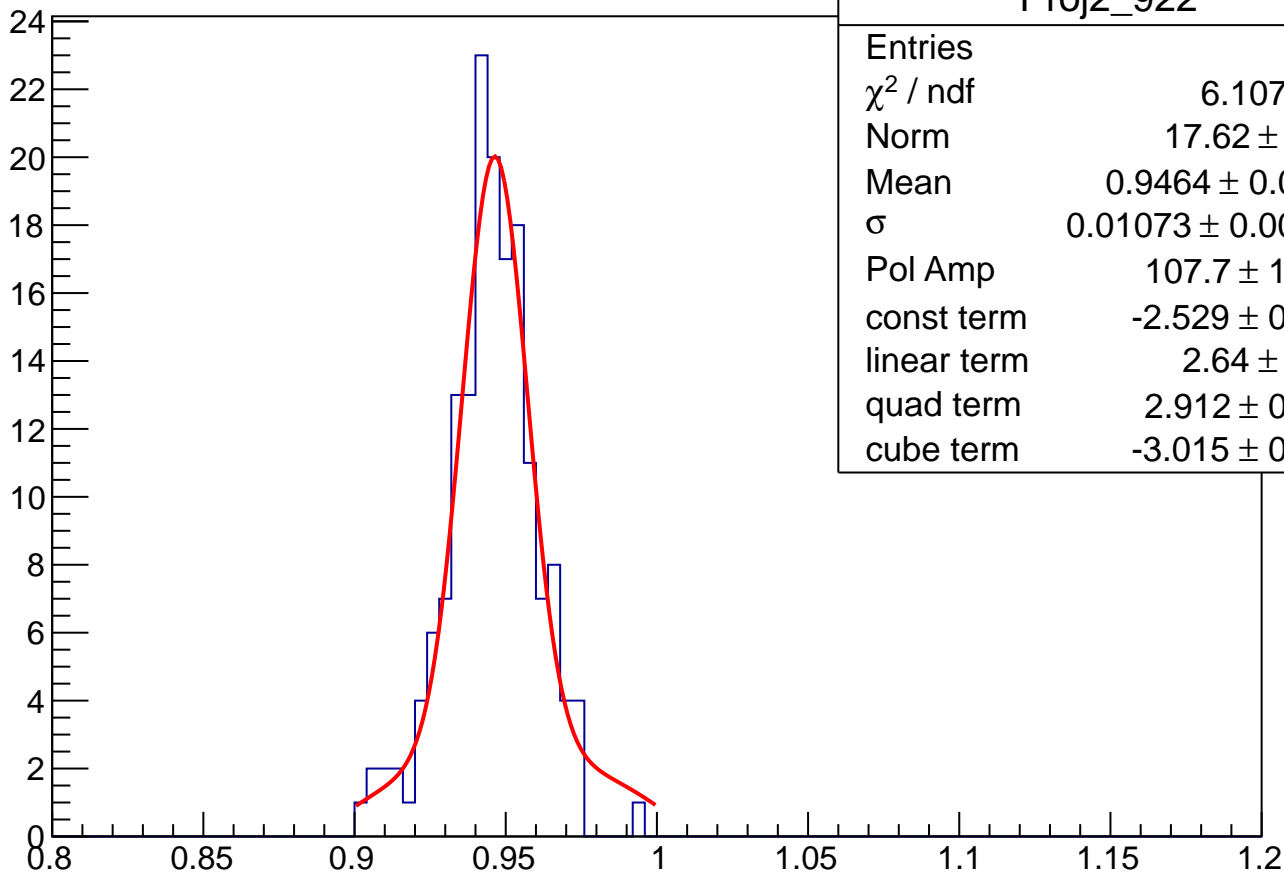
PhiThetaMassPim



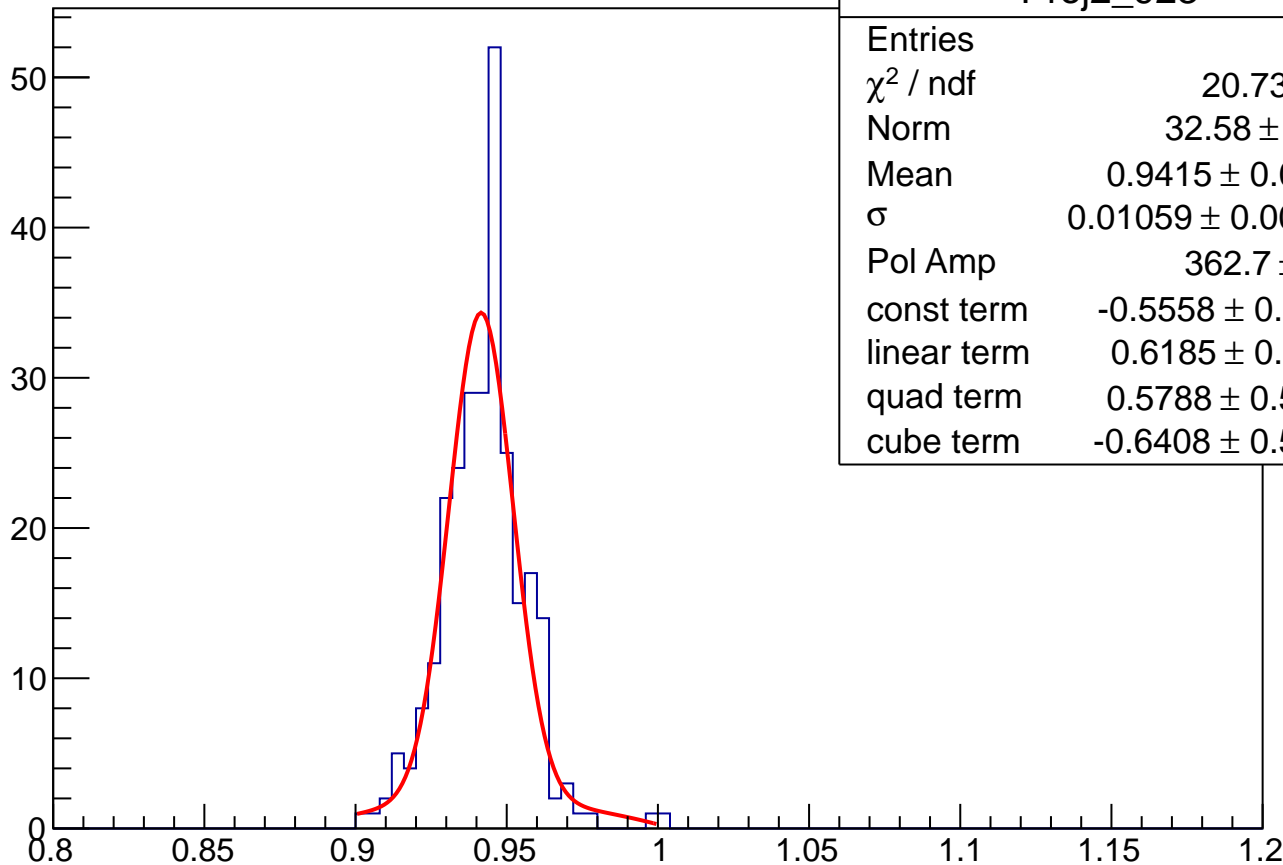
PhiThetaMassPim



PhiThetaMassPim



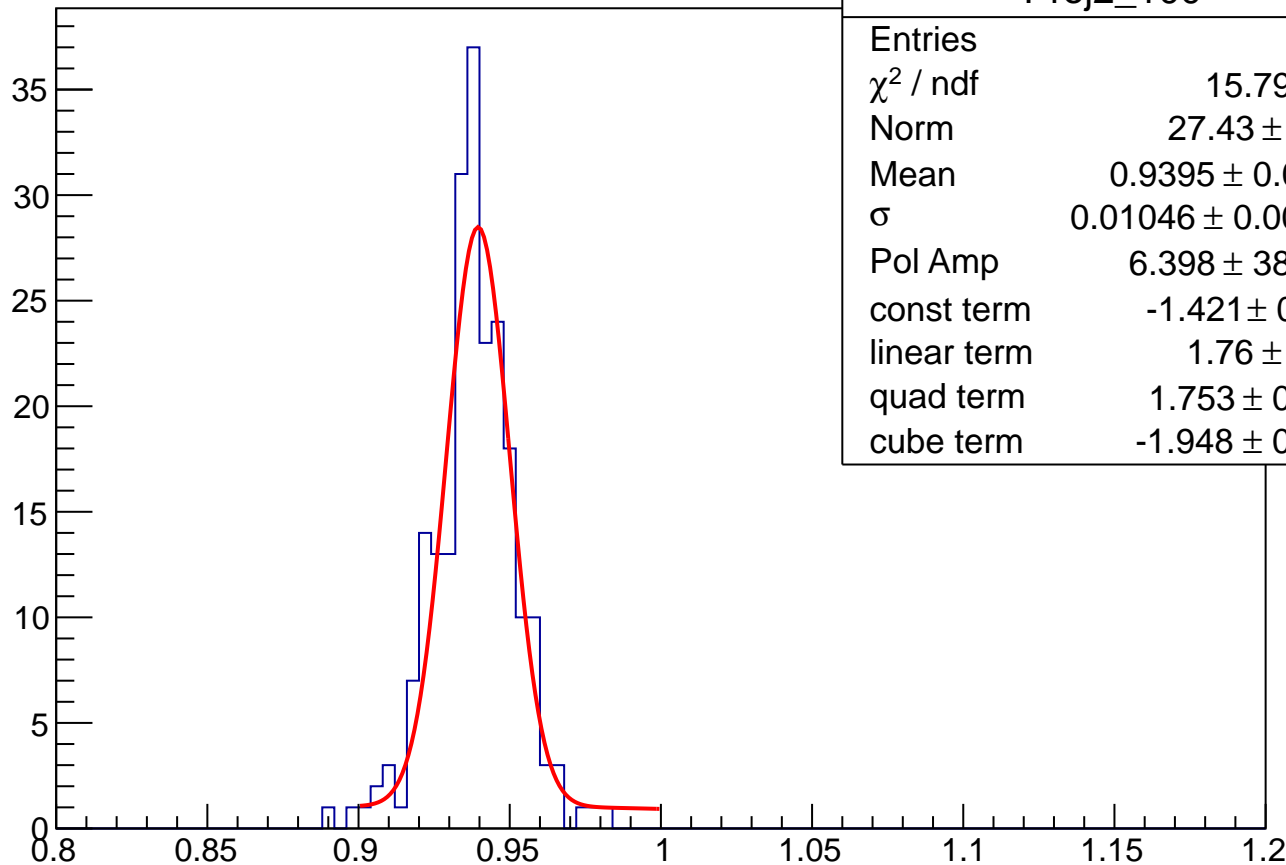
PhiThetaMassPim



Proj2_923

Entries	268
χ^2 / ndf	20.73 / 13
Norm	32.58 ± 2.87
Mean	0.9415 ± 0.0007
σ	0.01059 ± 0.00070
Pol Amp	362.7 ± 1.2
const term	-0.5558 ± 0.4601
linear term	0.6185 ± 0.4871
quad term	0.5788 ± 0.5218
cube term	-0.6408 ± 0.5506

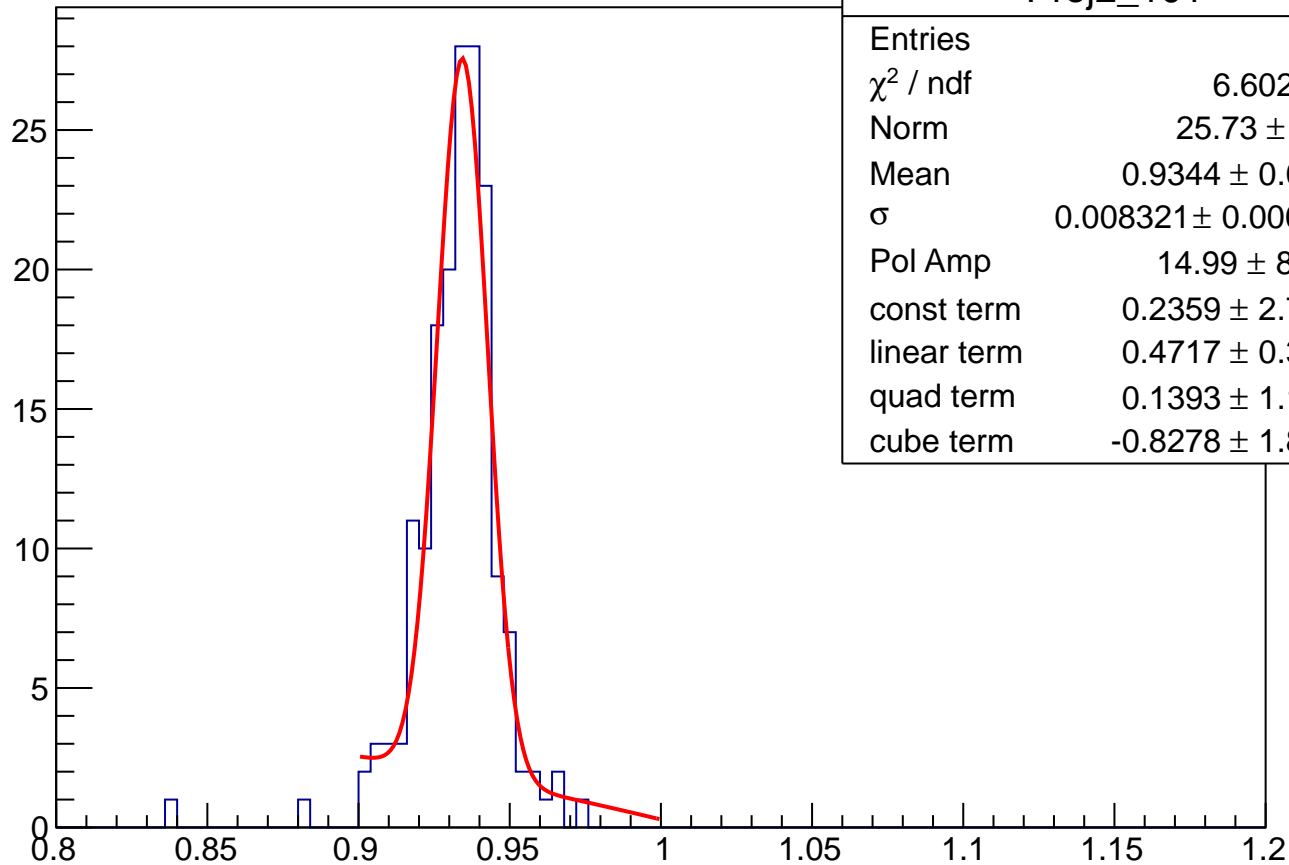
PhiThetaMassPim



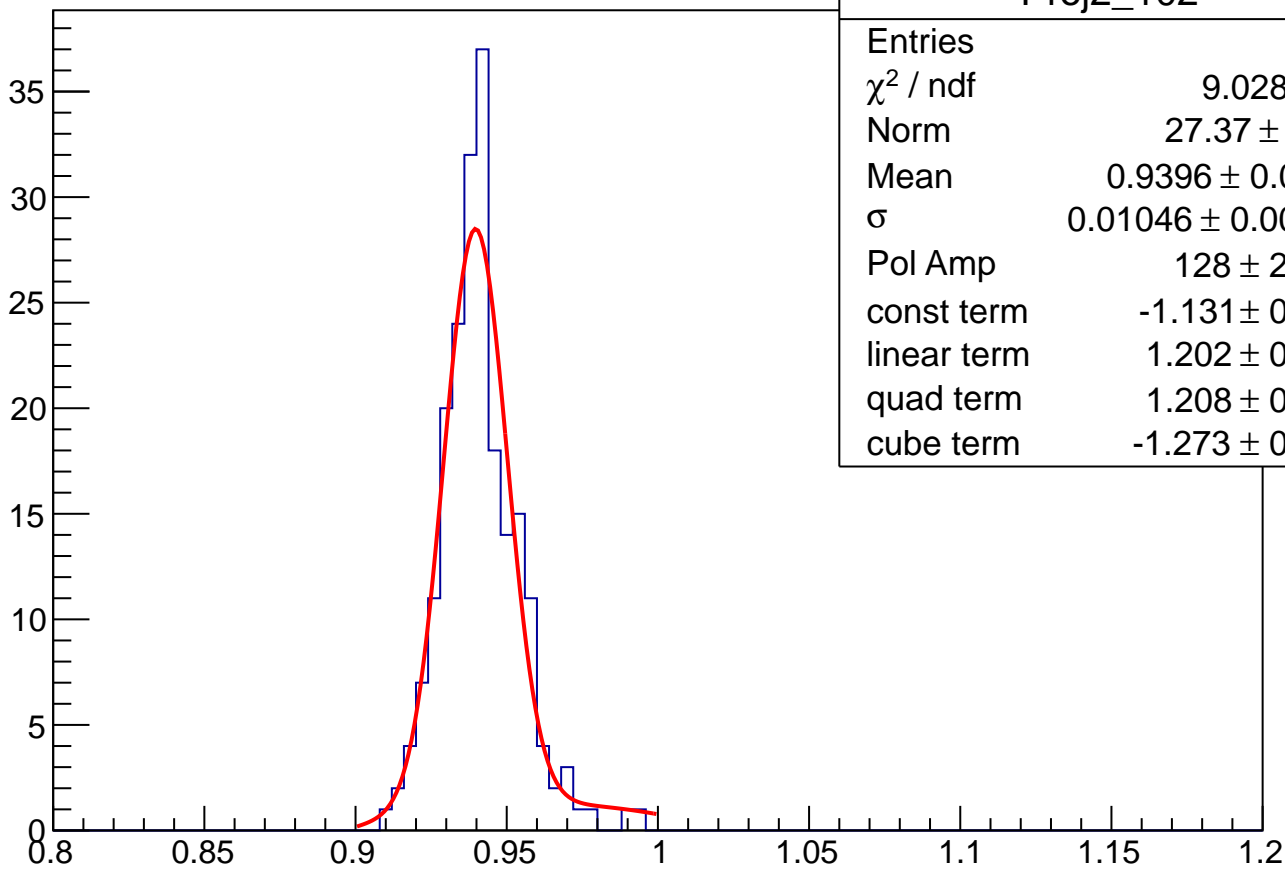
Proj2_100

Entries	218
χ^2 / ndf	15.79 / 12
Norm	27.43 ± 2.40
Mean	0.9395 ± 0.0009
σ	0.01046 ± 0.00089
Pol Amp	6.398 ± 38.023
const term	-1.421 ± 0.981
linear term	1.76 ± 0.32
quad term	1.753 ± 0.212
cube term	-1.948 ± 0.592

PhiThetaMassPim



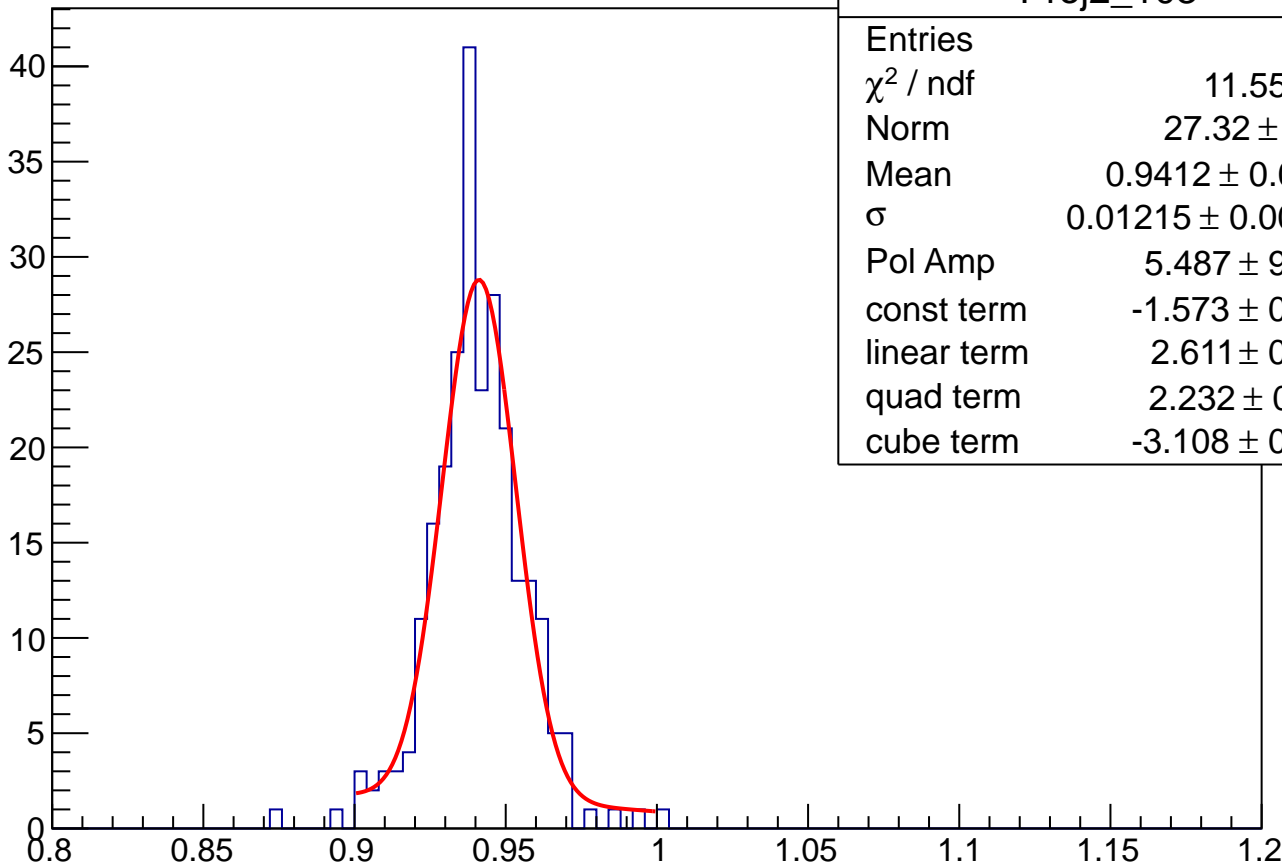
PhiThetaMassPim



Proj2_102

Entries	209
χ^2 / ndf	9.028 / 12
Norm	27.37 ± 2.75
Mean	0.9396 ± 0.0010
σ	0.01046 ± 0.00094
Pol Amp	128 ± 229.6
const term	-1.131 ± 0.030
linear term	1.202 ± 0.034
quad term	1.208 ± 0.036
cube term	-1.273 ± 0.036

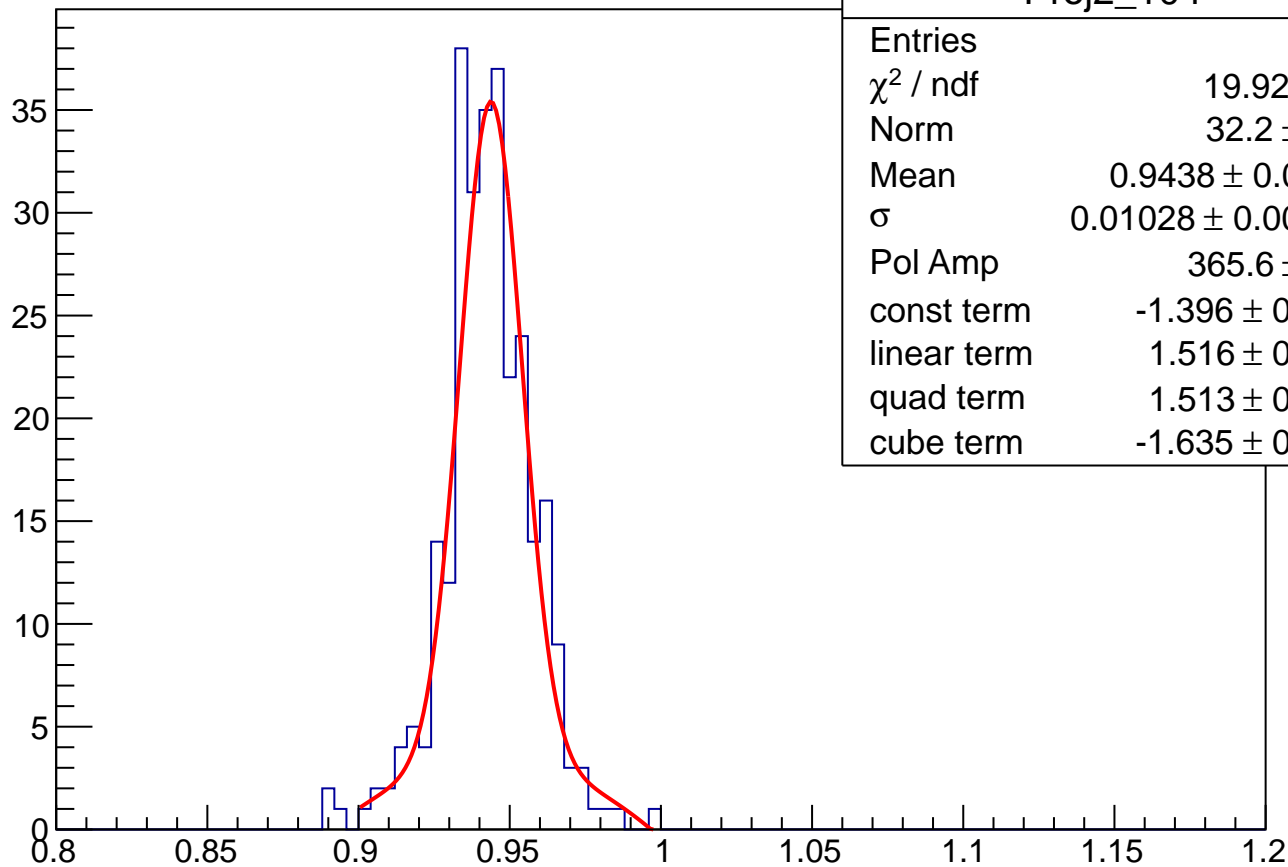
PhiThetaMassPim



Proj2_103

Entries	252
χ^2 / ndf	11.55 / 13
Norm	27.32 ± 2.54
Mean	0.9412 ± 0.0010
σ	0.01215 ± 0.00107
Pol Amp	5.487 ± 9.353
const term	-1.573 ± 0.894
linear term	2.611 ± 0.917
quad term	2.232 ± 0.921
cube term	-3.108 ± 0.905

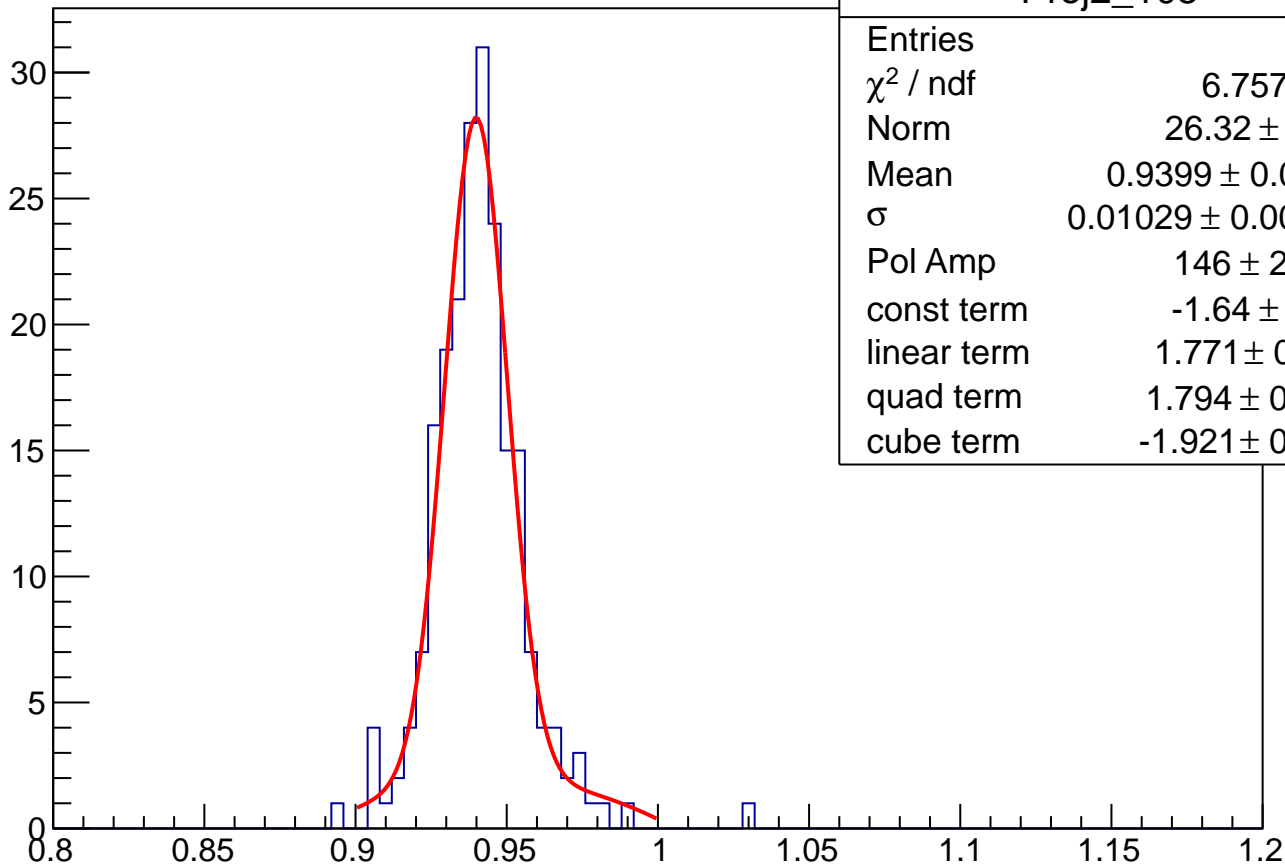
PhiThetaMassPim



Proj2_104

Entries	283
χ^2 / ndf	19.92 / 15
Norm	32.2 ± 3.0
Mean	0.9438 ± 0.0010
σ	0.01028 ± 0.00060
Pol Amp	365.6 ± 0.7
const term	-1.396 ± 0.337
linear term	1.516 ± 0.359
quad term	1.513 ± 0.364
cube term	-1.635 ± 0.388

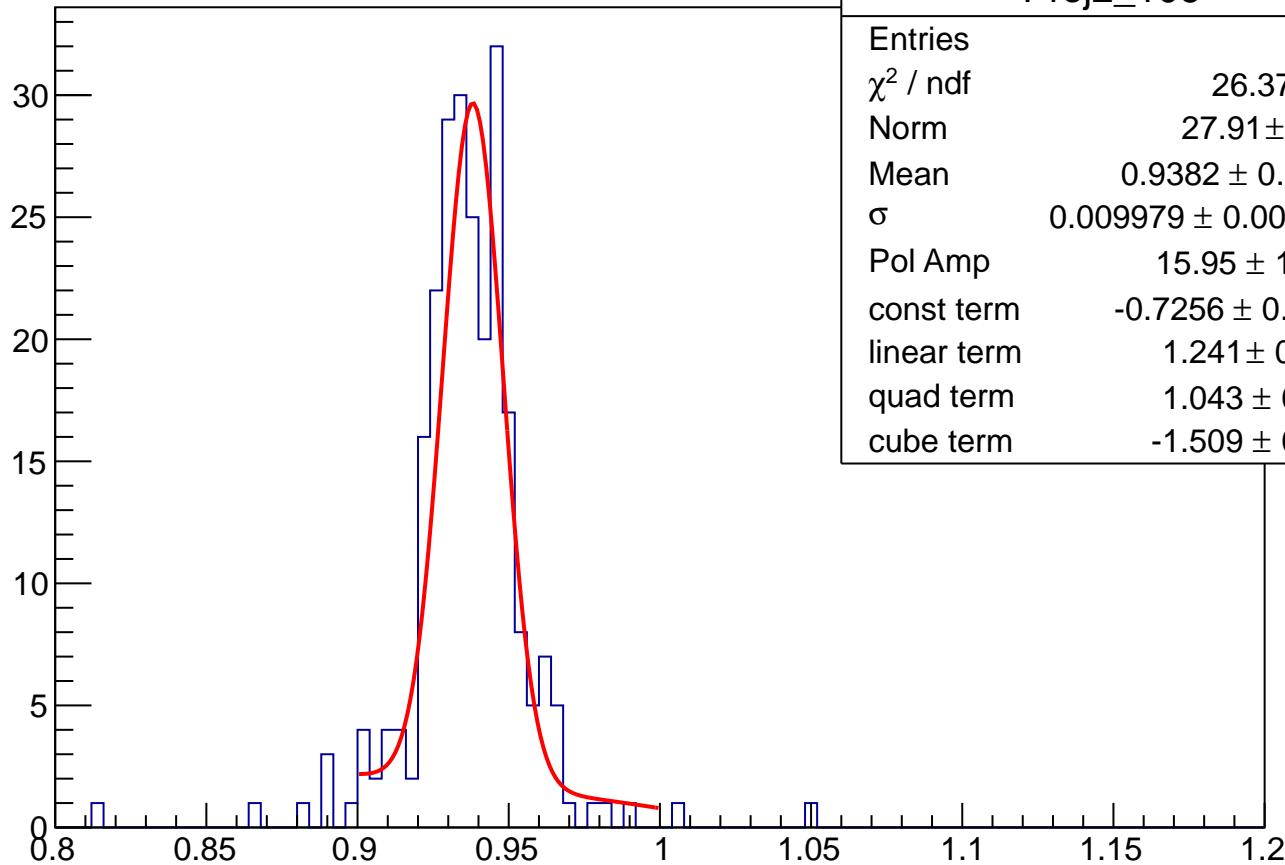
PhiThetaMassPim



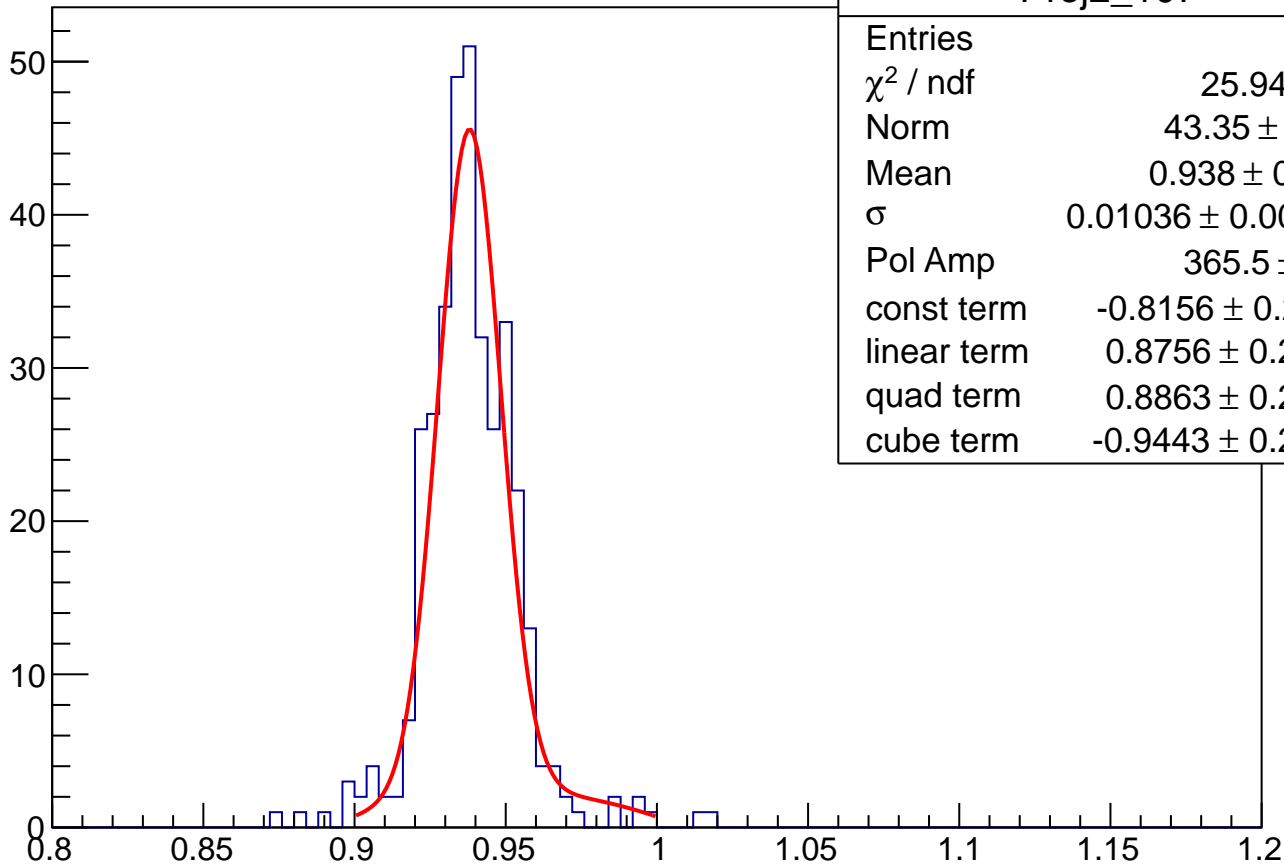
Proj2_105

Entries	212
χ^2 / ndf	6.757 / 13
Norm	26.32 ± 2.79
Mean	0.9399 ± 0.0010
σ	0.01029 ± 0.00105
Pol Amp	146 ± 259.2
const term	-1.64 ± 0.03
linear term	1.771 ± 0.031
quad term	1.794 ± 0.032
cube term	-1.921 ± 0.030

PhiThetaMassPim



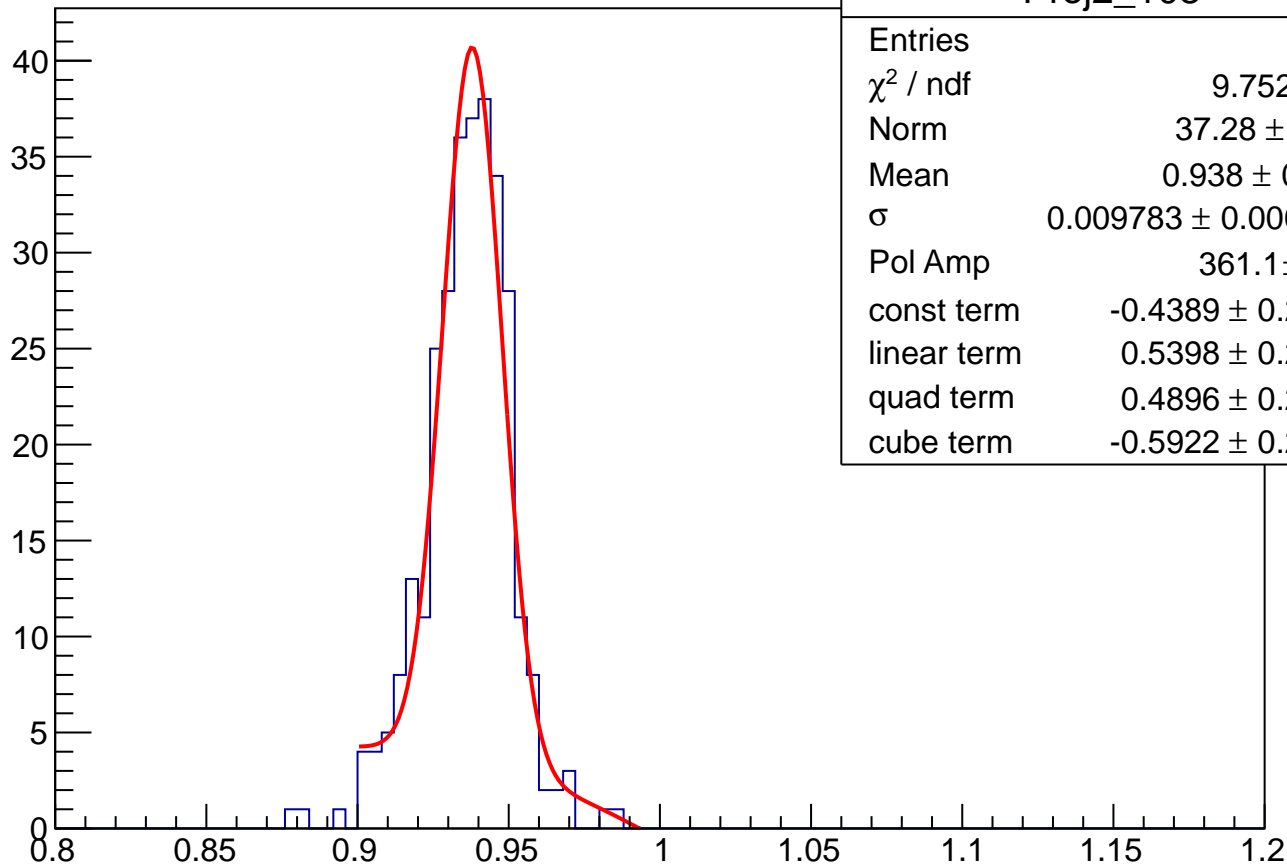
PhiThetaMassPim



Proj2_107

Entries	354
χ^2 / ndf	25.94 / 14
Norm	43.35 ± 3.35
Mean	0.938 ± 0.001
σ	0.01036 ± 0.00054
Pol Amp	365.5 ± 0.7
const term	-0.8156 ± 0.2091
linear term	0.8756 ± 0.2167
quad term	0.8863 ± 0.2219
cube term	-0.9443 ± 0.2303

PhiThetaMassPim

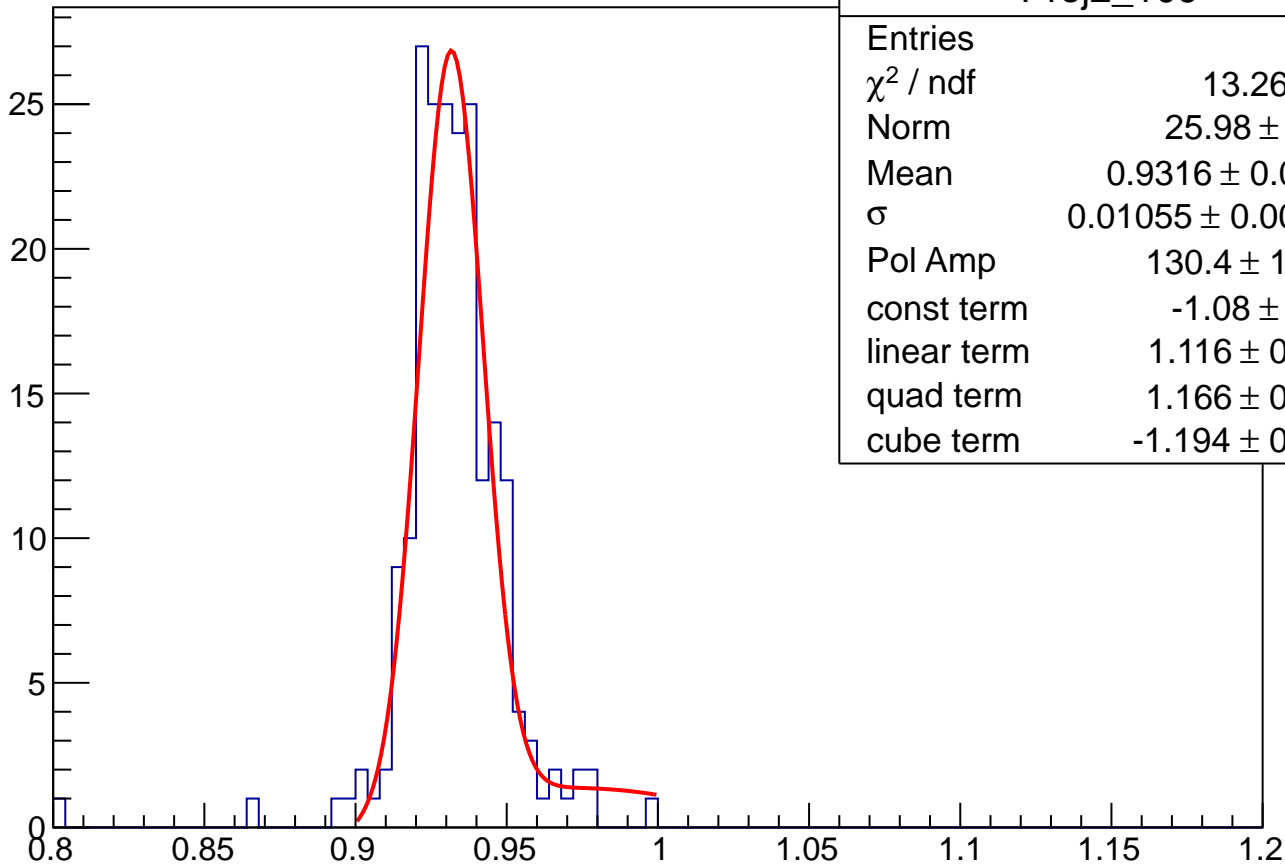


Proj2_108

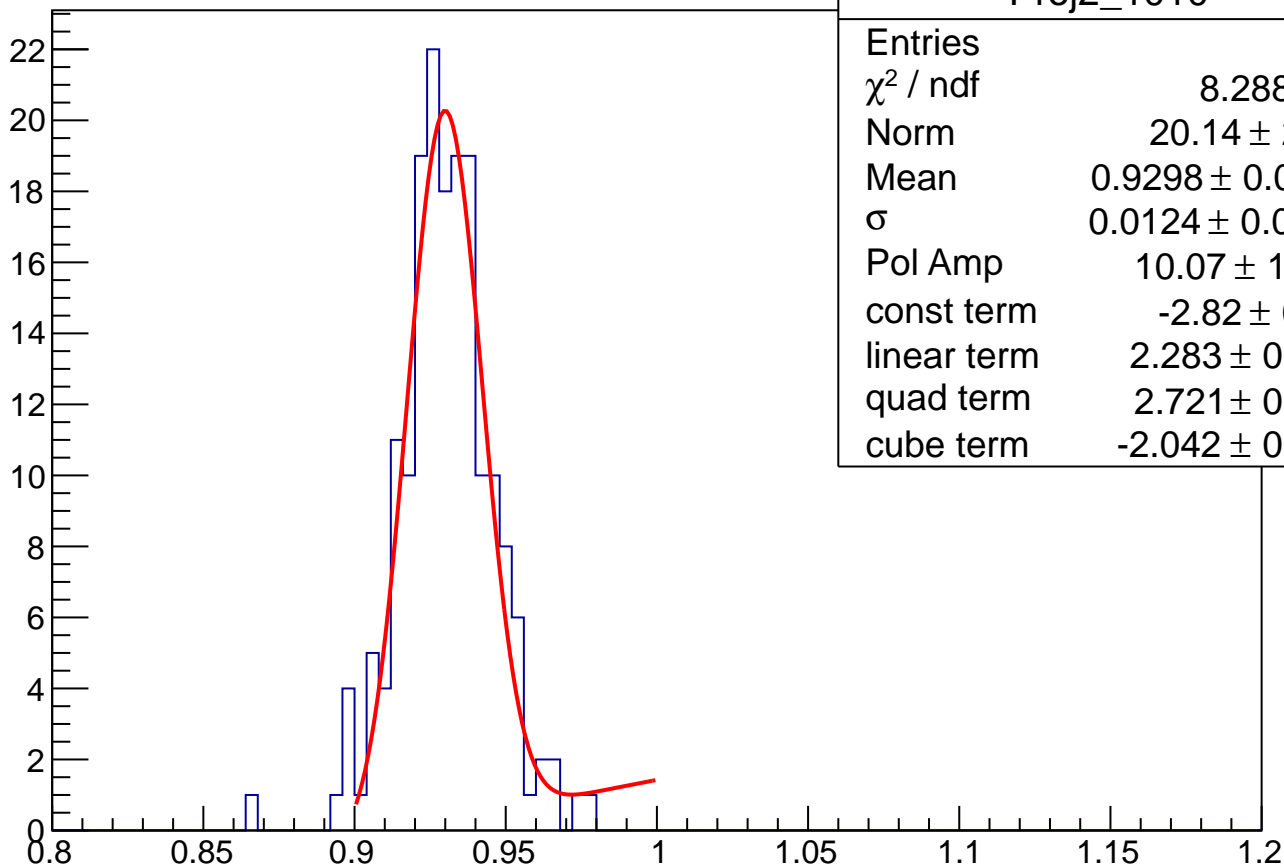
Entries	302
χ^2 / ndf	9.752 / 12
Norm	37.28 ± 3.25
Mean	0.938 ± 0.001
σ	0.009783 ± 0.000746
Pol Amp	361.1 ± 1.2
const term	-0.4389 ± 0.2017
linear term	0.5398 ± 0.2206
quad term	0.4896 ± 0.2245
cube term	-0.5922 ± 0.2459

PhiThetaMassPim

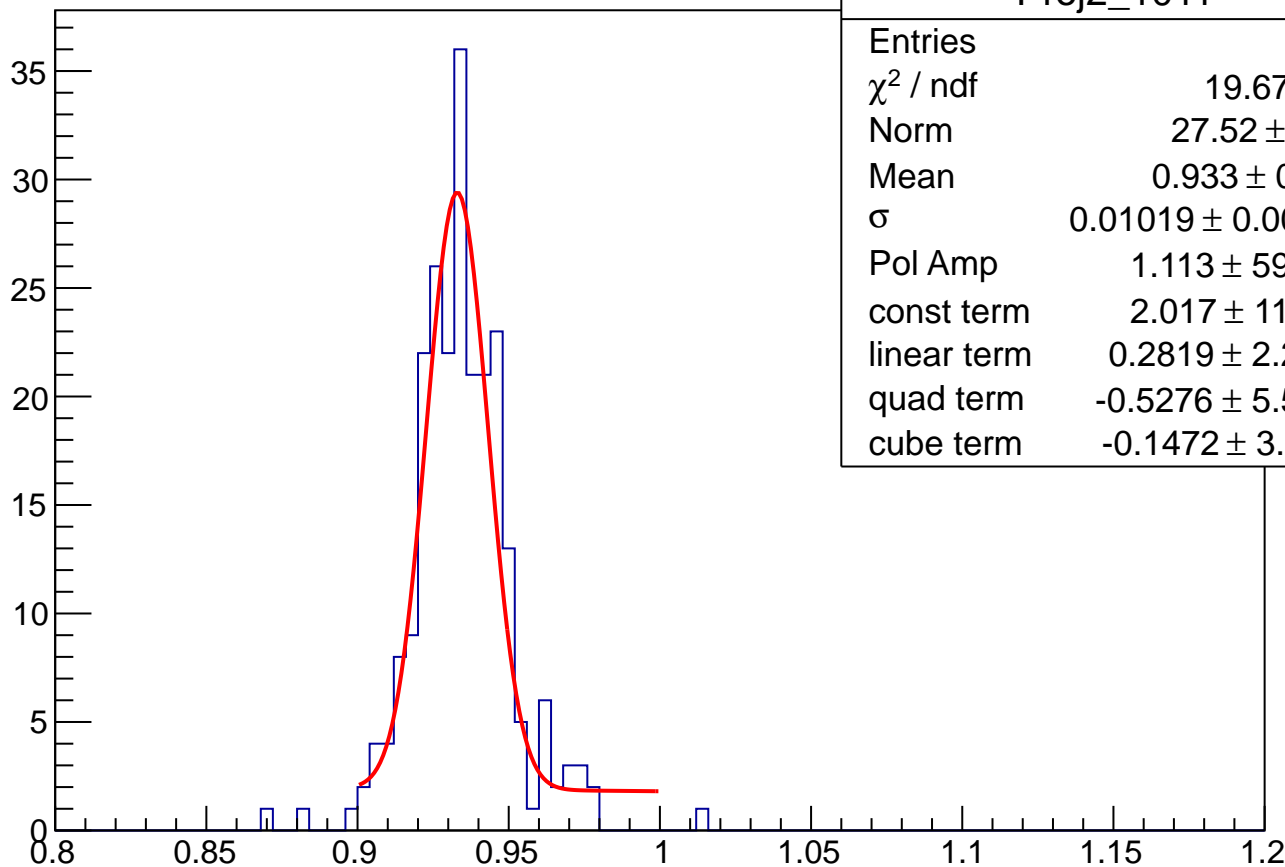
Proj2_109	
Entries	208
χ^2 / ndf	13.26 / 13
Norm	25.98 ± 2.53
Mean	0.9316 ± 0.0010
σ	0.01055 ± 0.00090
Pol Amp	130.4 ± 135.5
const term	-1.08 ± 0.03
linear term	1.116 ± 0.034
quad term	1.166 ± 0.036
cube term	-1.194 ± 0.036



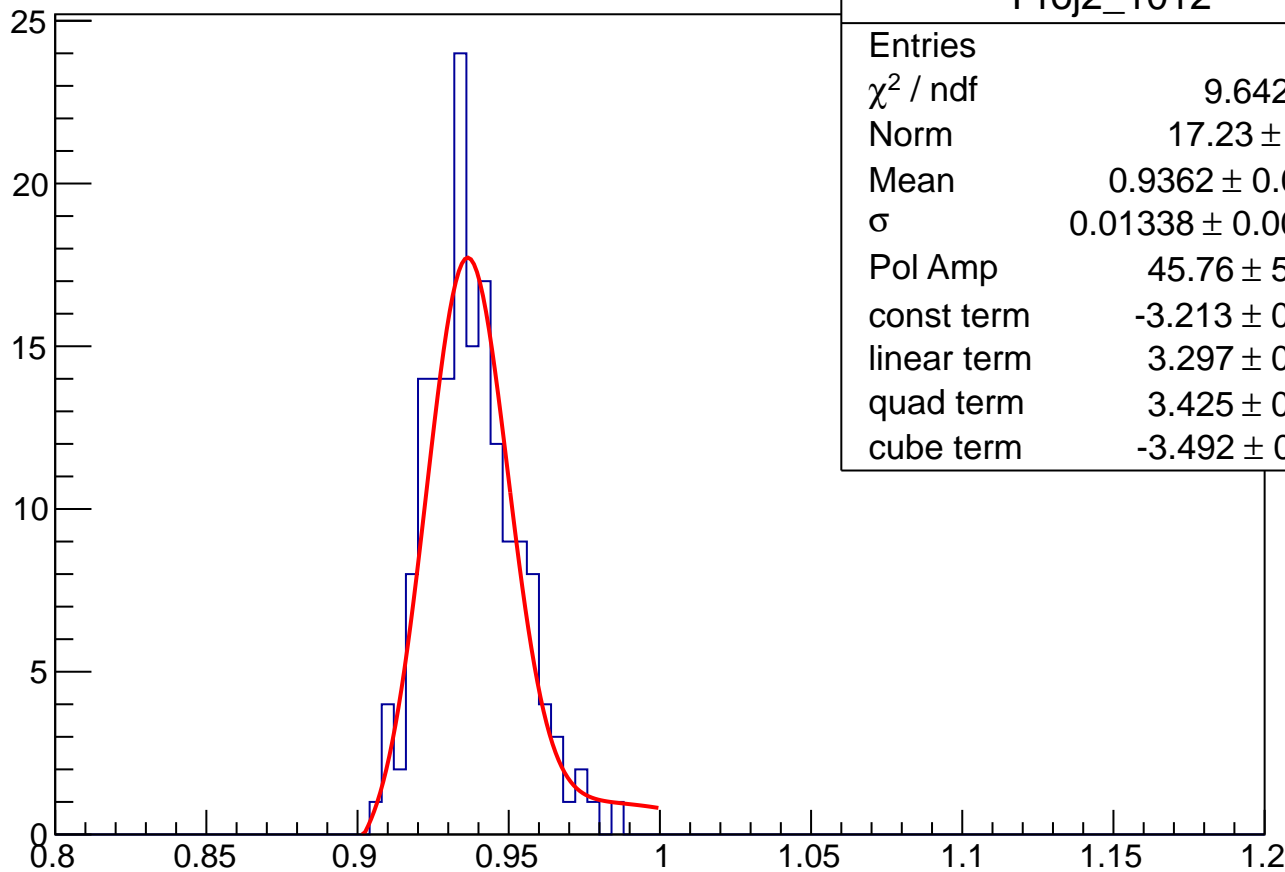
PhiThetaMassPim



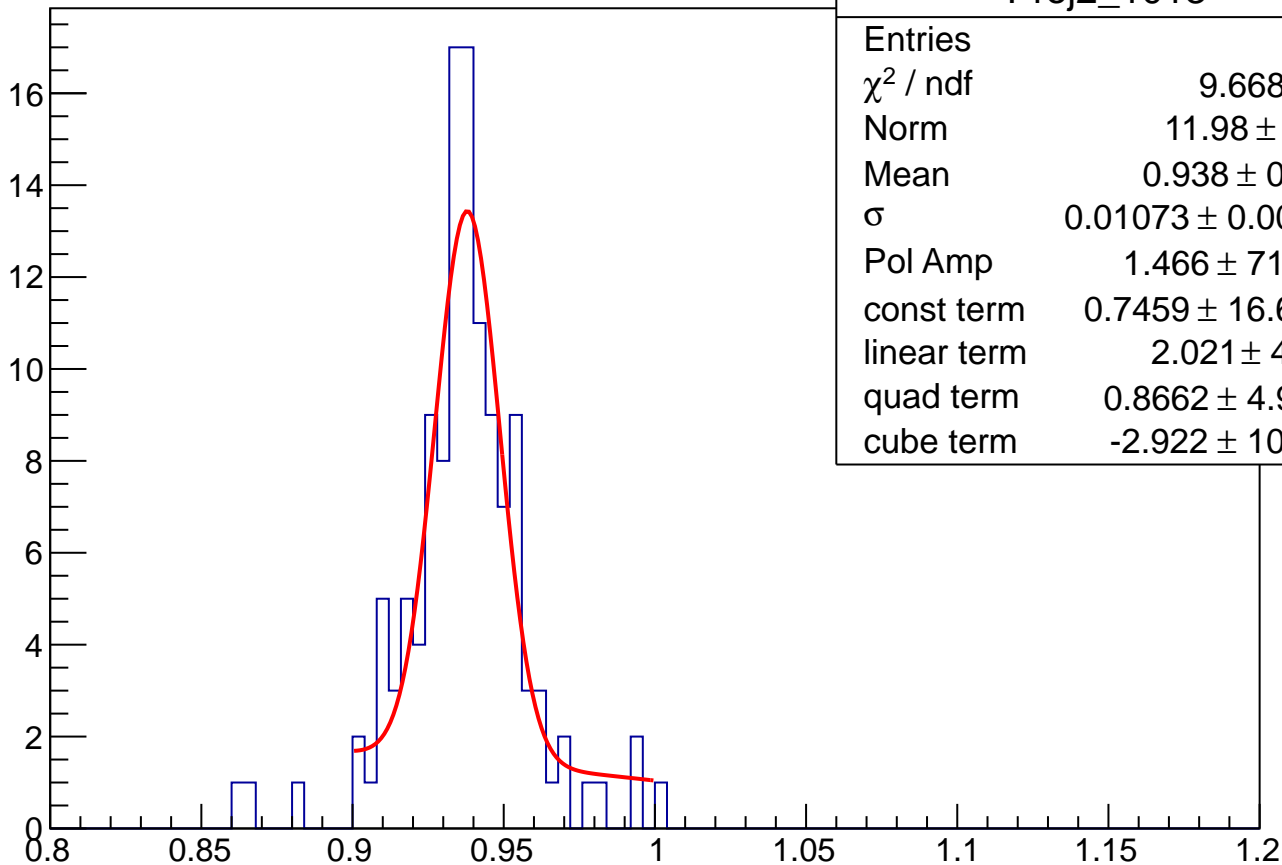
PhiThetaMassPim



PhiThetaMassPim



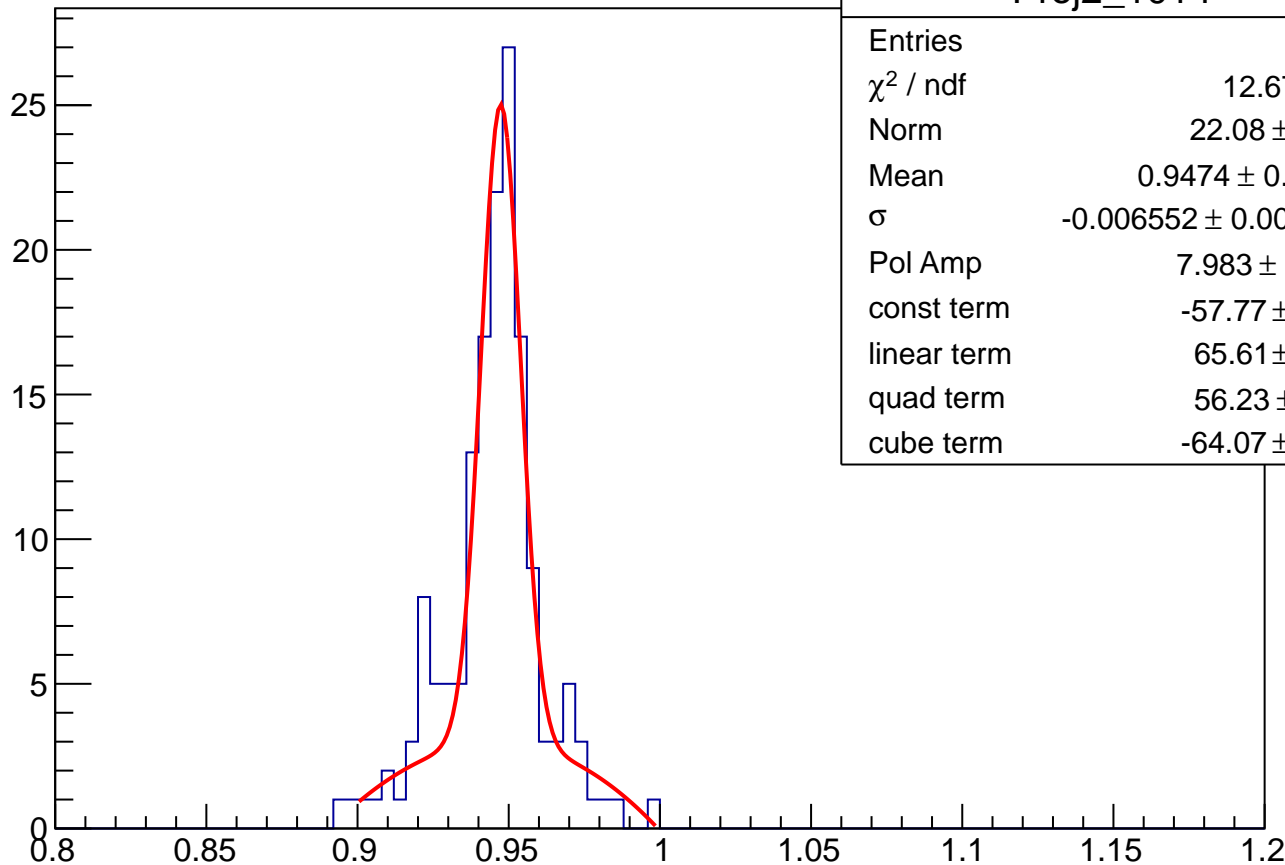
PhiThetaMassPim



Proj2_1013

Entries	124
χ^2 / ndf	9.668 / 13
Norm	11.98 ± 1.84
Mean	0.938 ± 0.002
σ	0.01073 ± 0.00174
Pol Amp	1.466 ± 71.996
const term	0.7459 ± 16.6900
linear term	2.021 ± 4.341
quad term	0.8662 ± 4.9874
cube term	-2.922 ± 10.597

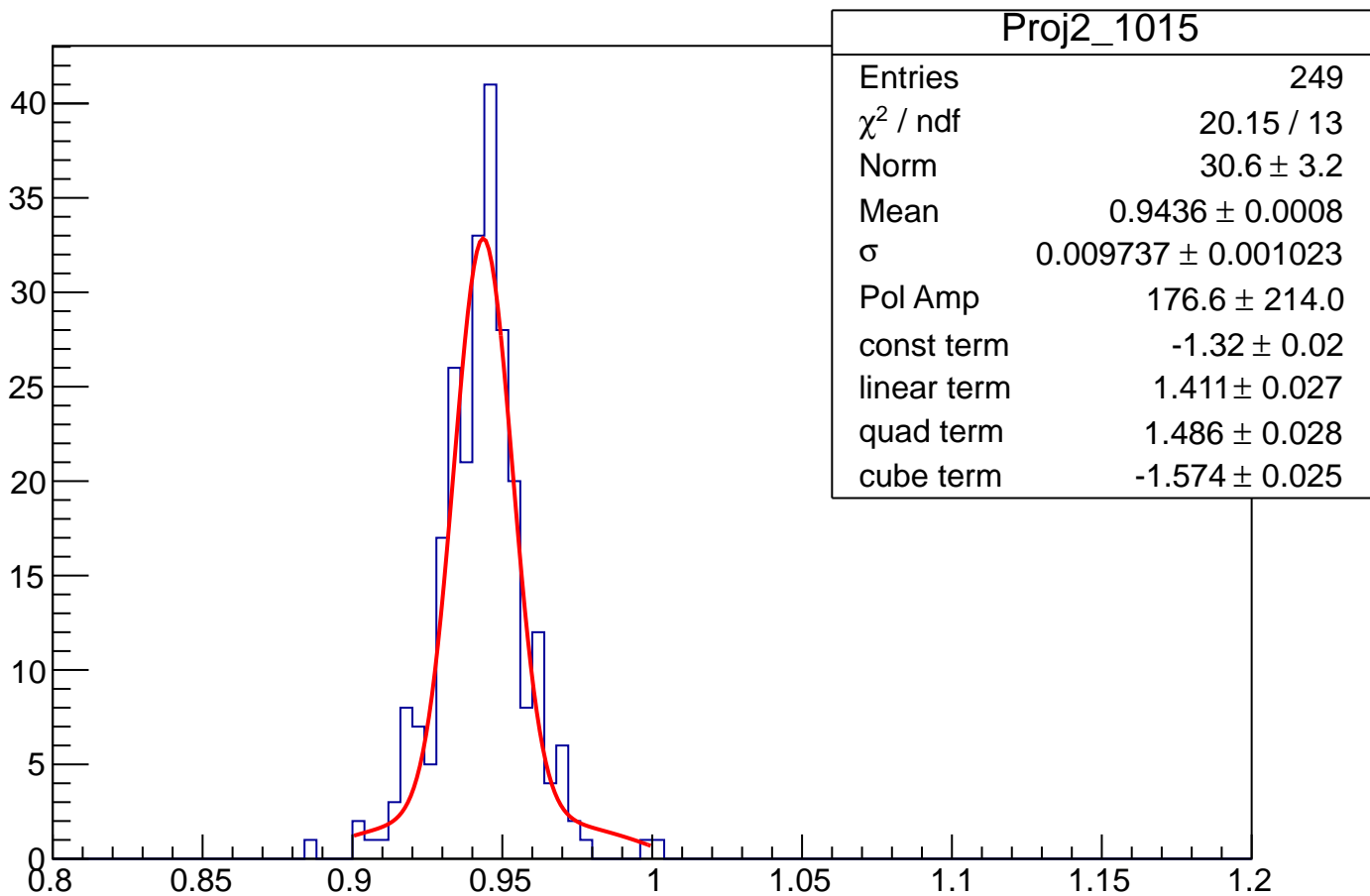
PhiThetaMassPim



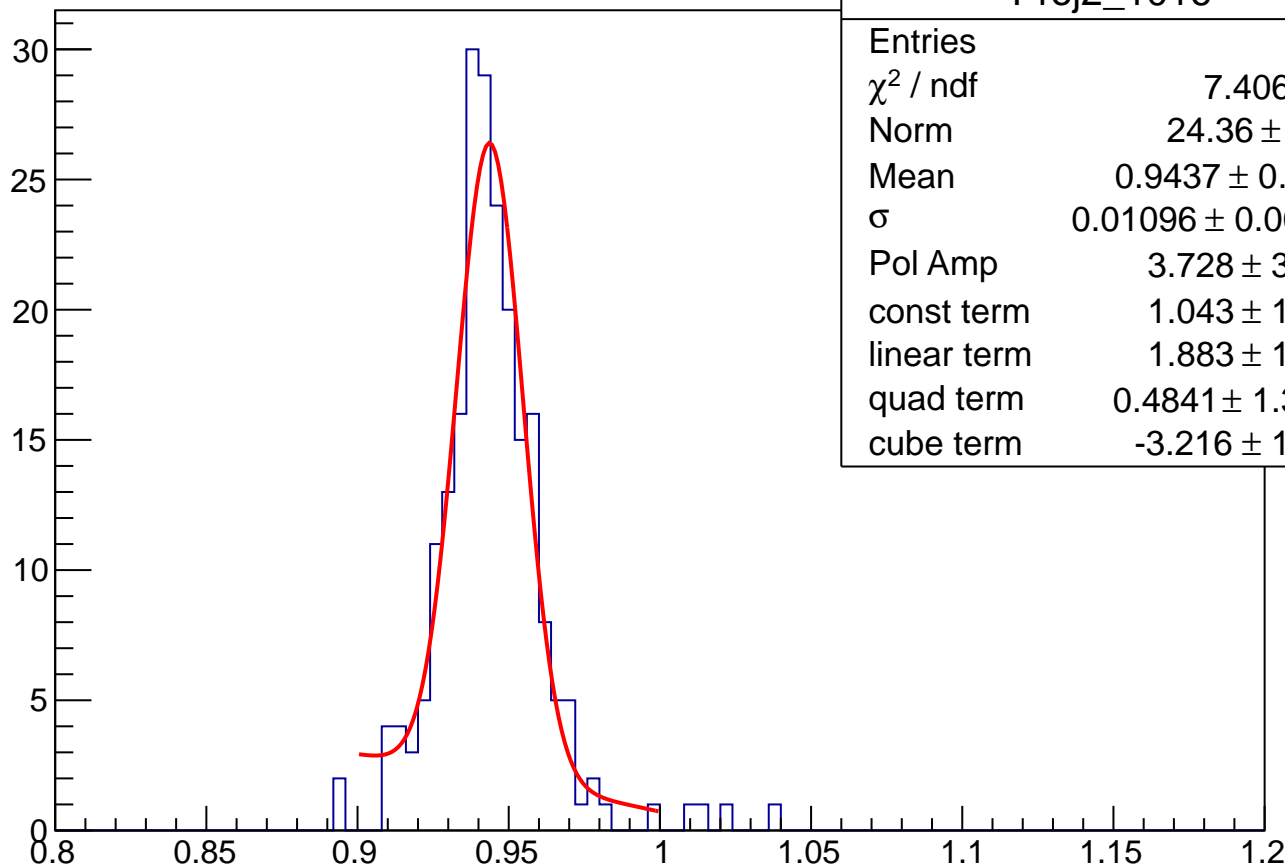
Proj2_1014

Entries	156
χ^2 / ndf	12.67 / 15
Norm	22.08 ± 3.27
Mean	0.9474 ± 0.0009
σ	-0.006552 ± 0.000885
Pol Amp	7.983 ± 4.221
const term	-57.77 ± 0.40
linear term	65.61 ± 0.49
quad term	56.23 ± 0.51
cube term	-64.07 ± 0.45

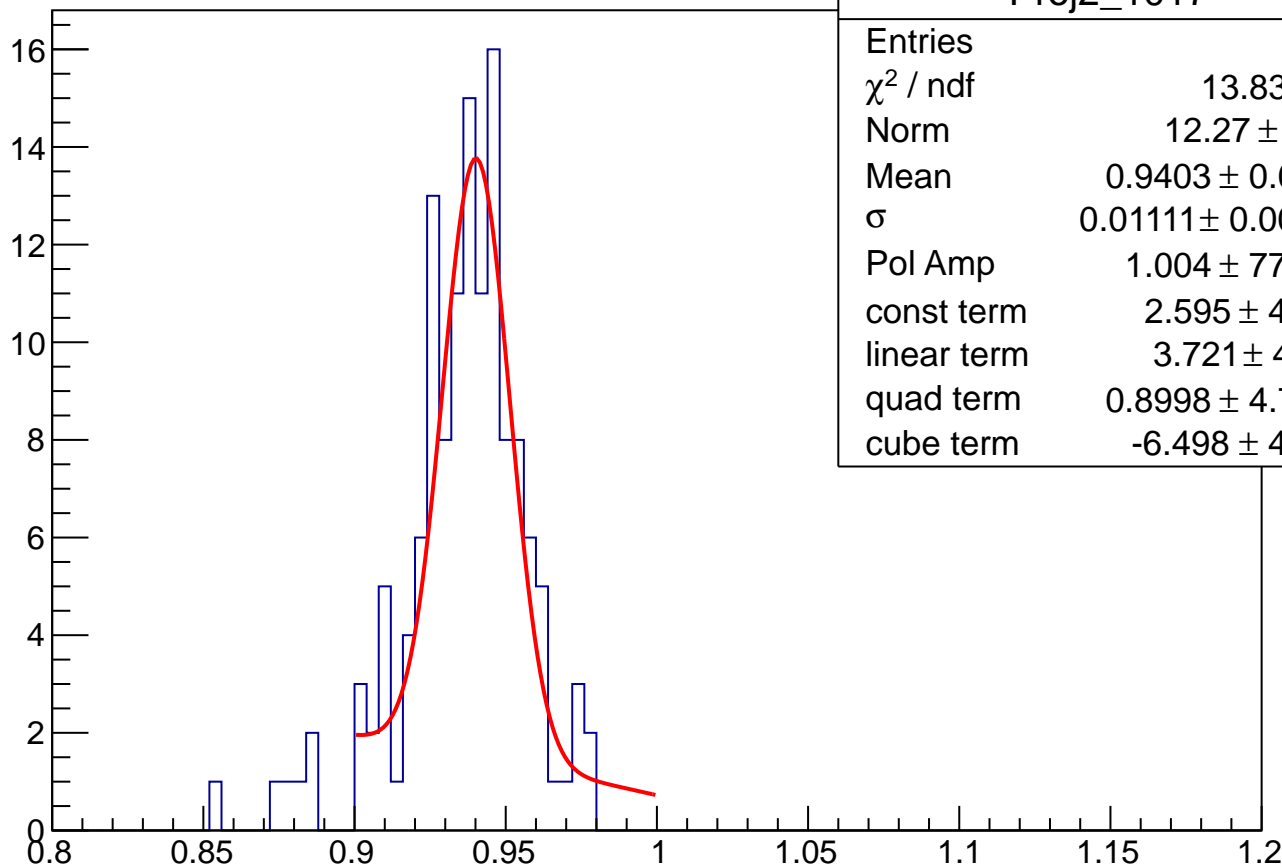
PhiThetaMassPim



PhiThetaMassPim



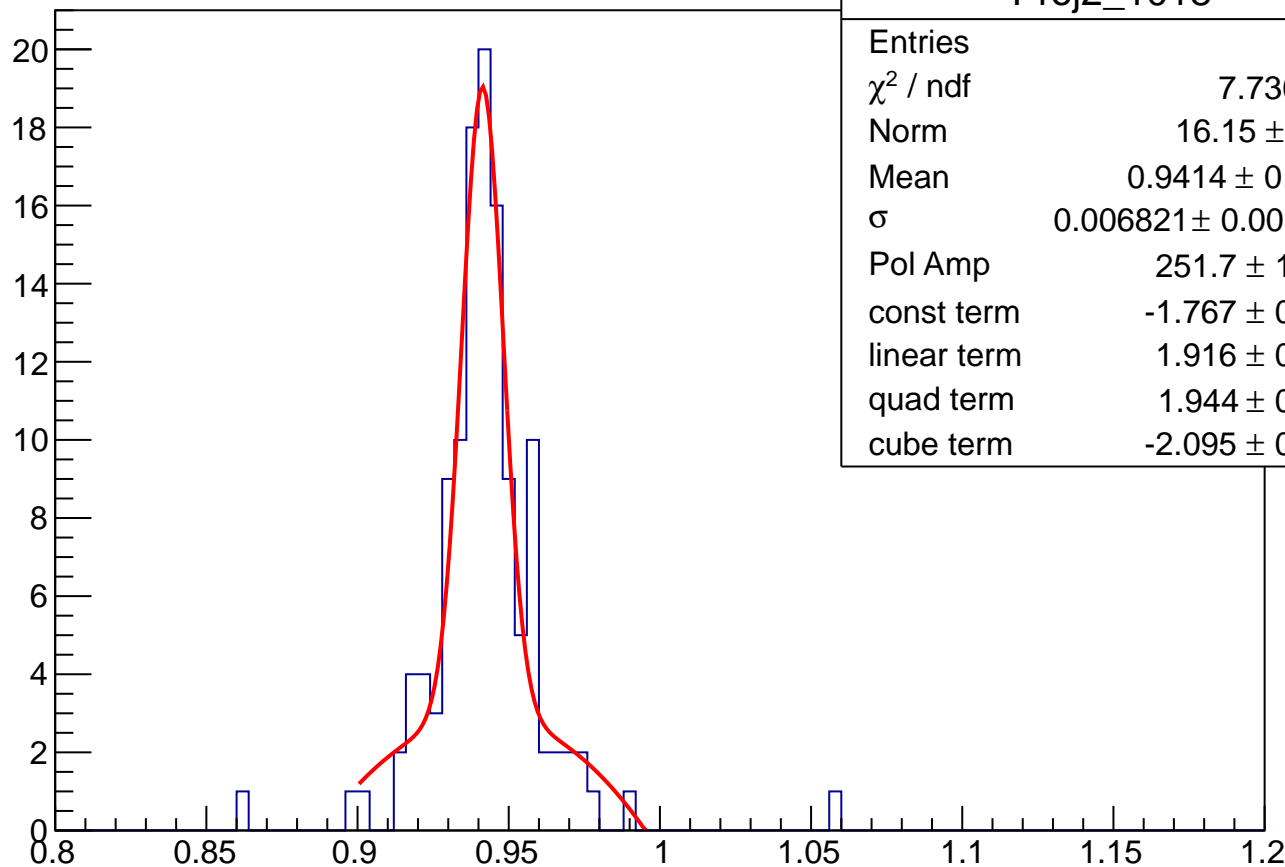
PhiThetaMassPim



Proj2_1017

Entries	135
χ^2 / ndf	13.83 / 12
Norm	12.27 ± 1.76
Mean	0.9403 ± 0.0017
σ	0.01111 ± 0.00149
Pol Amp	1.004 ± 77.074
const term	2.595 ± 4.522
linear term	3.721 ± 4.671
quad term	0.8998 ± 4.7972
cube term	-6.498 ± 4.919

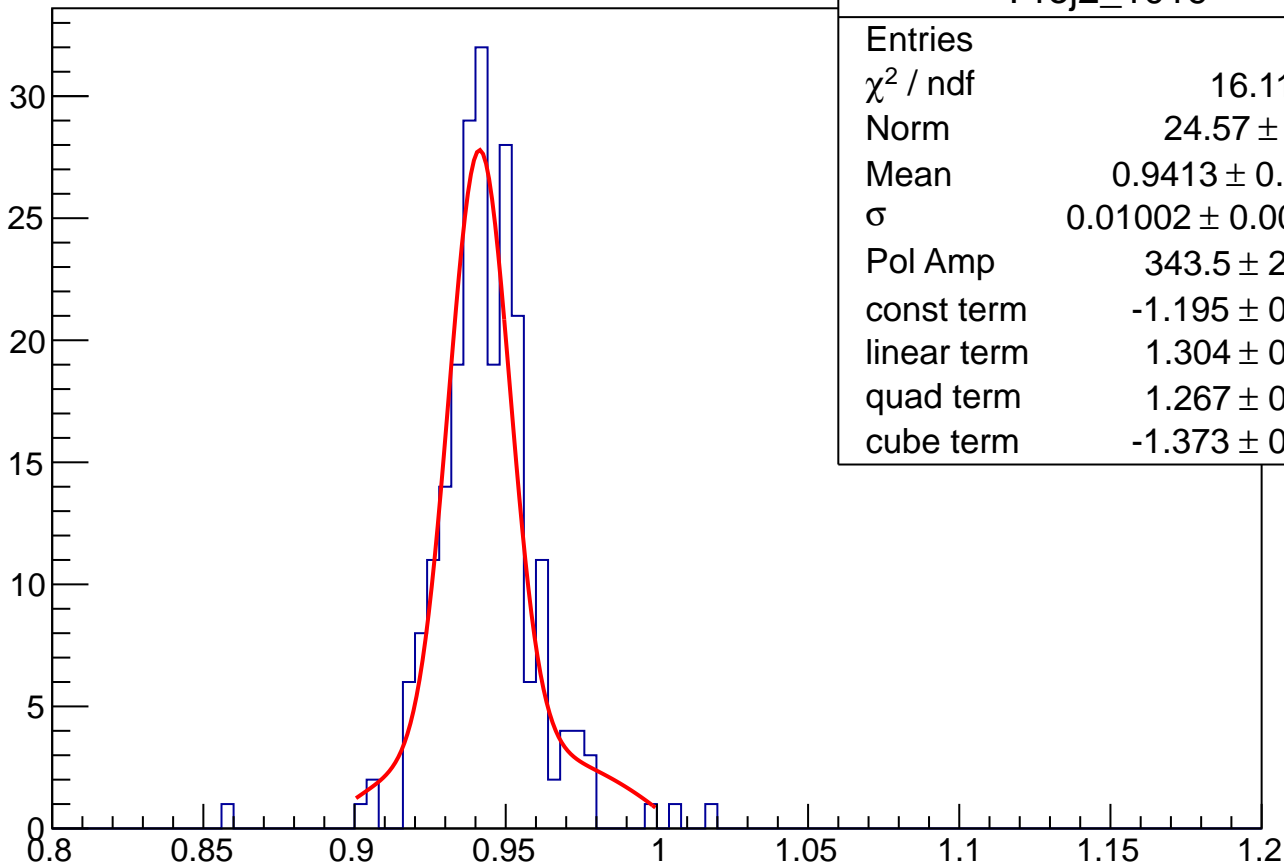
PhiThetaMassPim



Proj2_1018

Entries	124
χ^2 / ndf	7.736 / 11
Norm	16.15 ± 2.97
Mean	0.9414 ± 0.0011
σ	0.006821 ± 0.001348
Pol Amp	251.7 ± 167.6
const term	-1.767 ± 0.015
linear term	1.916 ± 0.018
quad term	1.944 ± 0.019
cube term	-2.095 ± 0.017

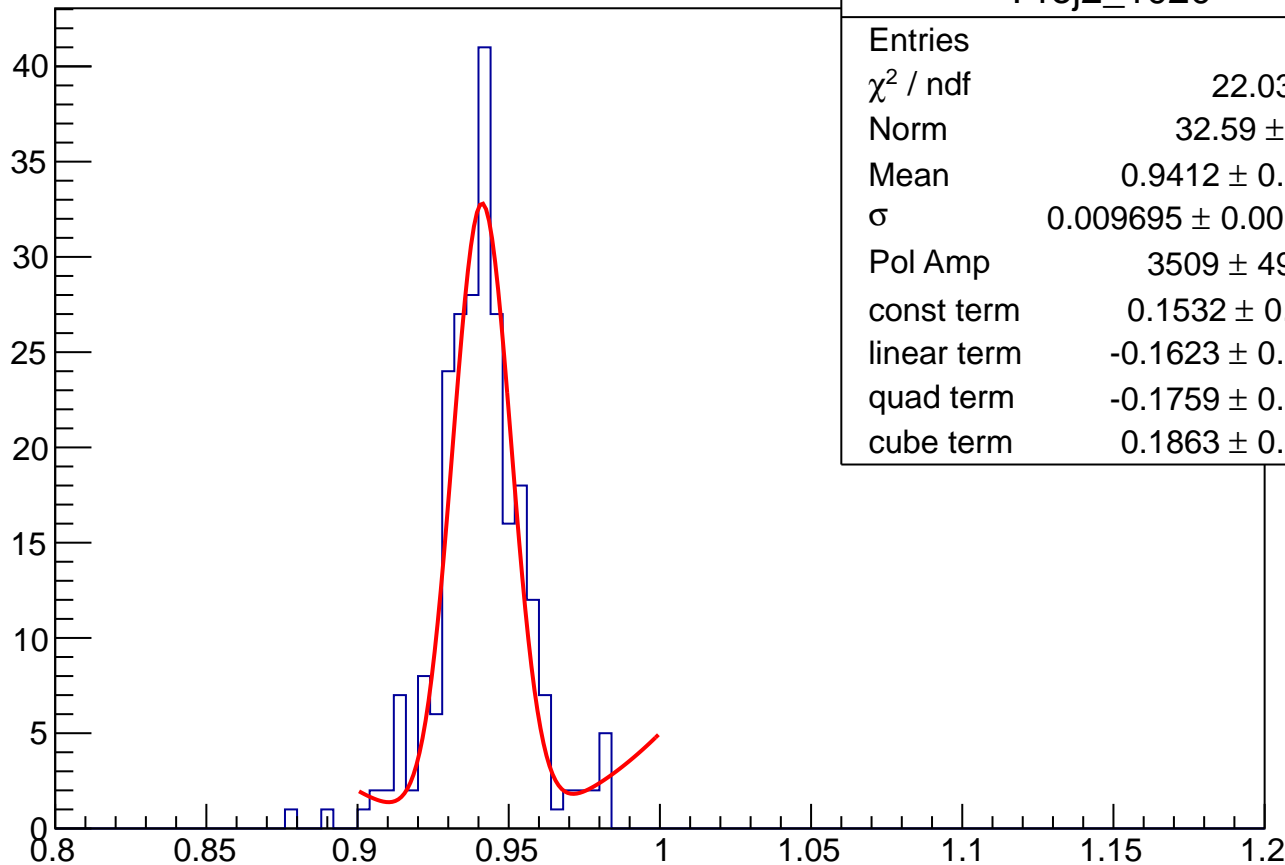
PhiThetaMassPim



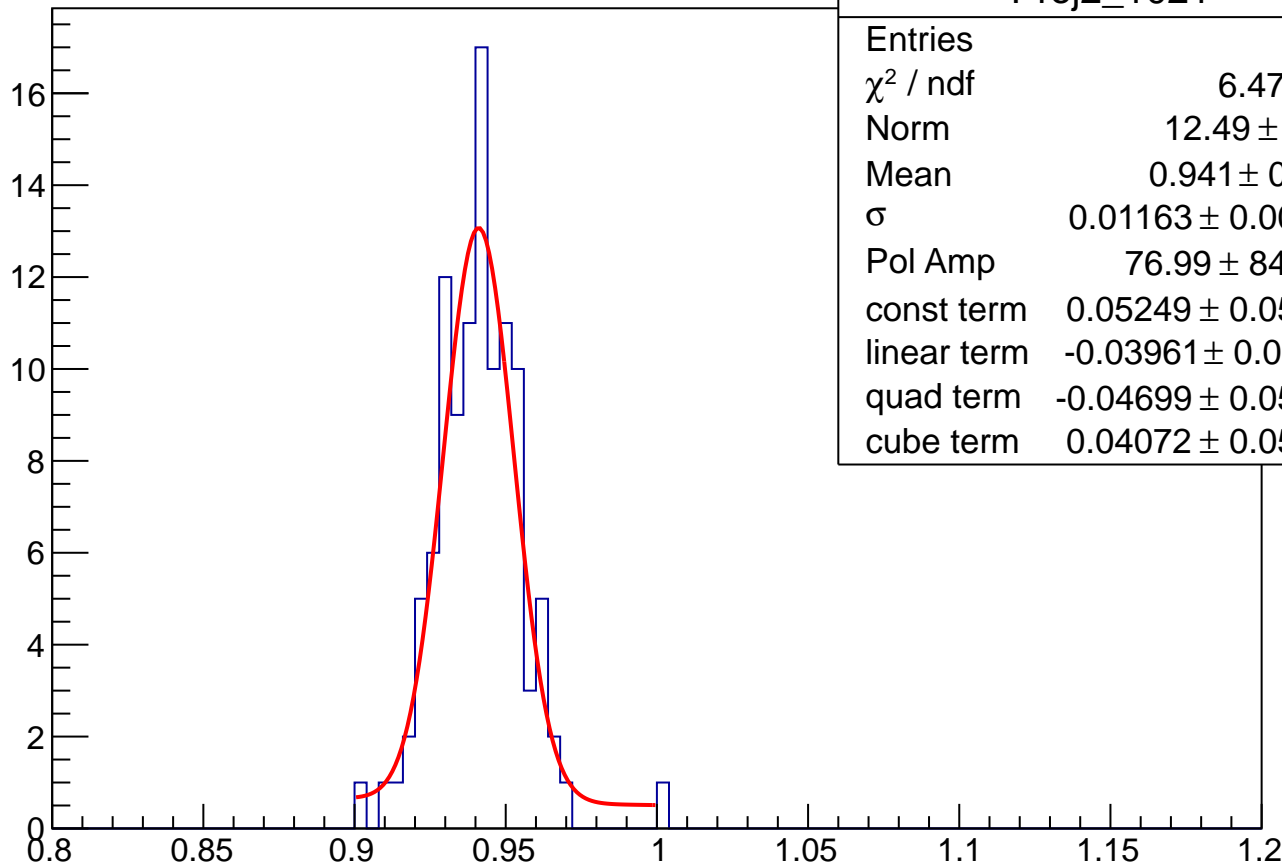
Proj2_1019

Entries	224
χ^2 / ndf	16.11 / 11
Norm	24.57 ± 2.88
Mean	0.9413 ± 0.0011
σ	0.01002 ± 0.00120
Pol Amp	343.5 ± 268.6
const term	-1.195 ± 0.013
linear term	1.304 ± 0.016
quad term	1.267 ± 0.017
cube term	-1.373 ± 0.015

PhiThetaMassPim



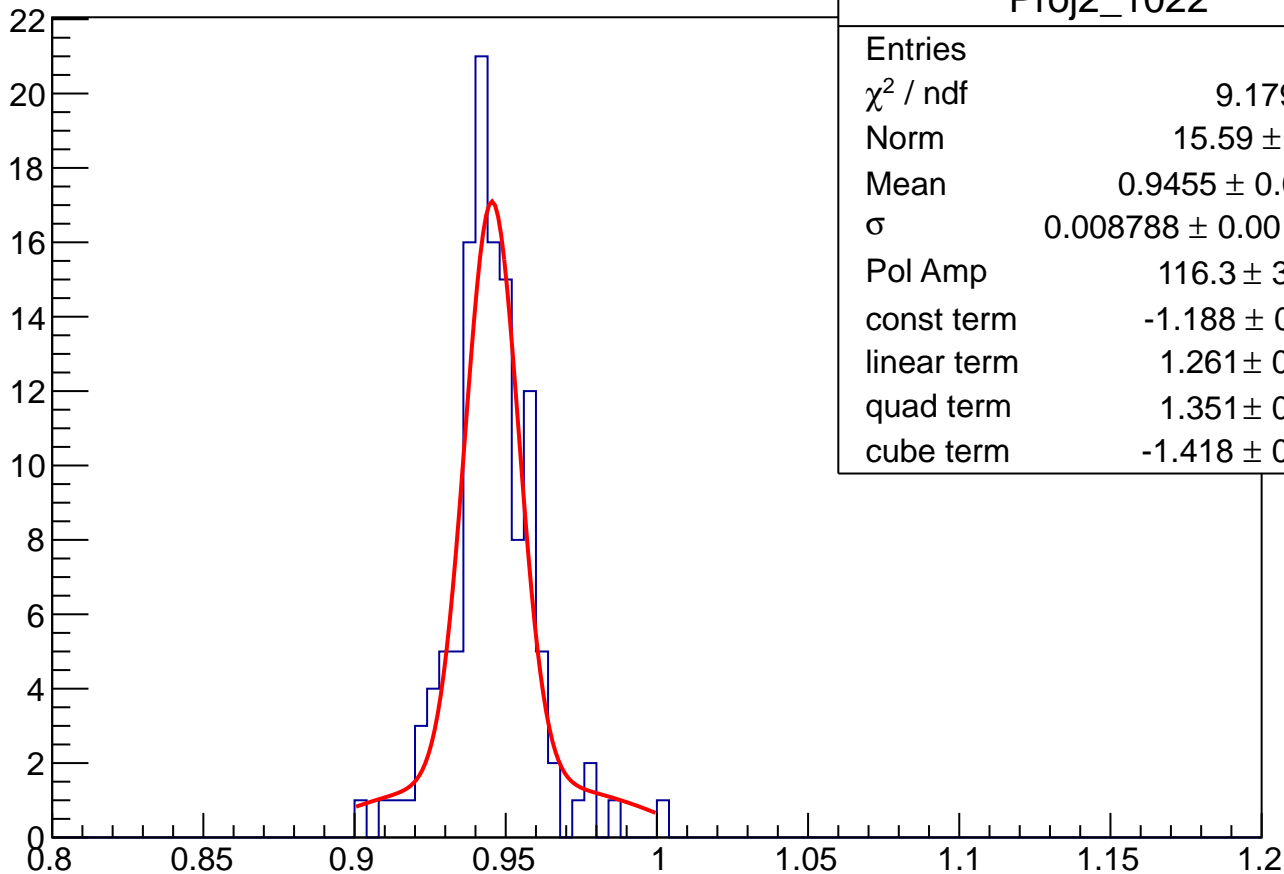
PhiThetaMassPim



Proj2_1021

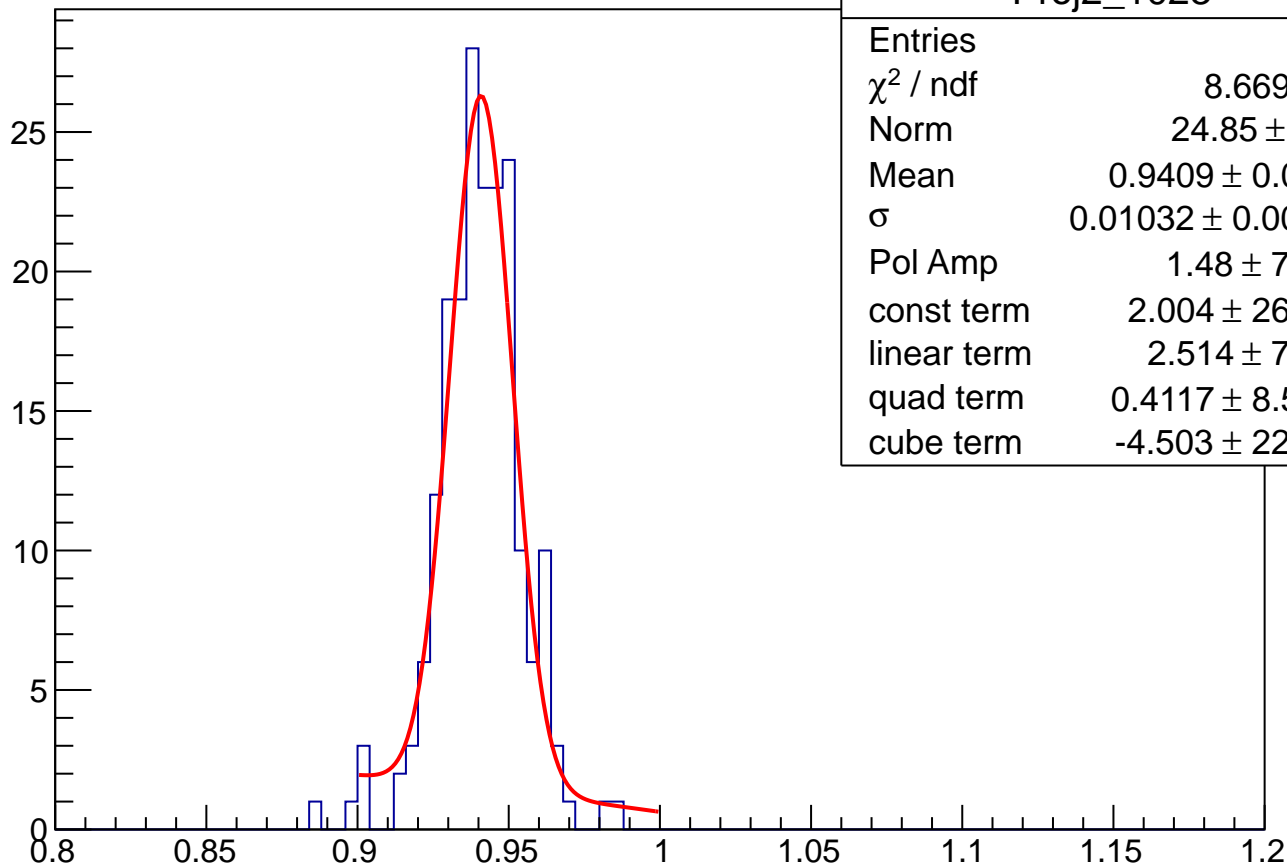
Entries	108
χ^2 / ndf	6.475 / 9
Norm	12.49 ± 1.73
Mean	0.941 ± 0.002
σ	0.01163 ± 0.00176
Pol Amp	76.99 ± 843.17
const term	0.05249 ± 0.05234
linear term	-0.03961 ± 0.05551
quad term	-0.04699 ± 0.05709
cube term	0.04072 ± 0.05665

PhiThetaMassPim

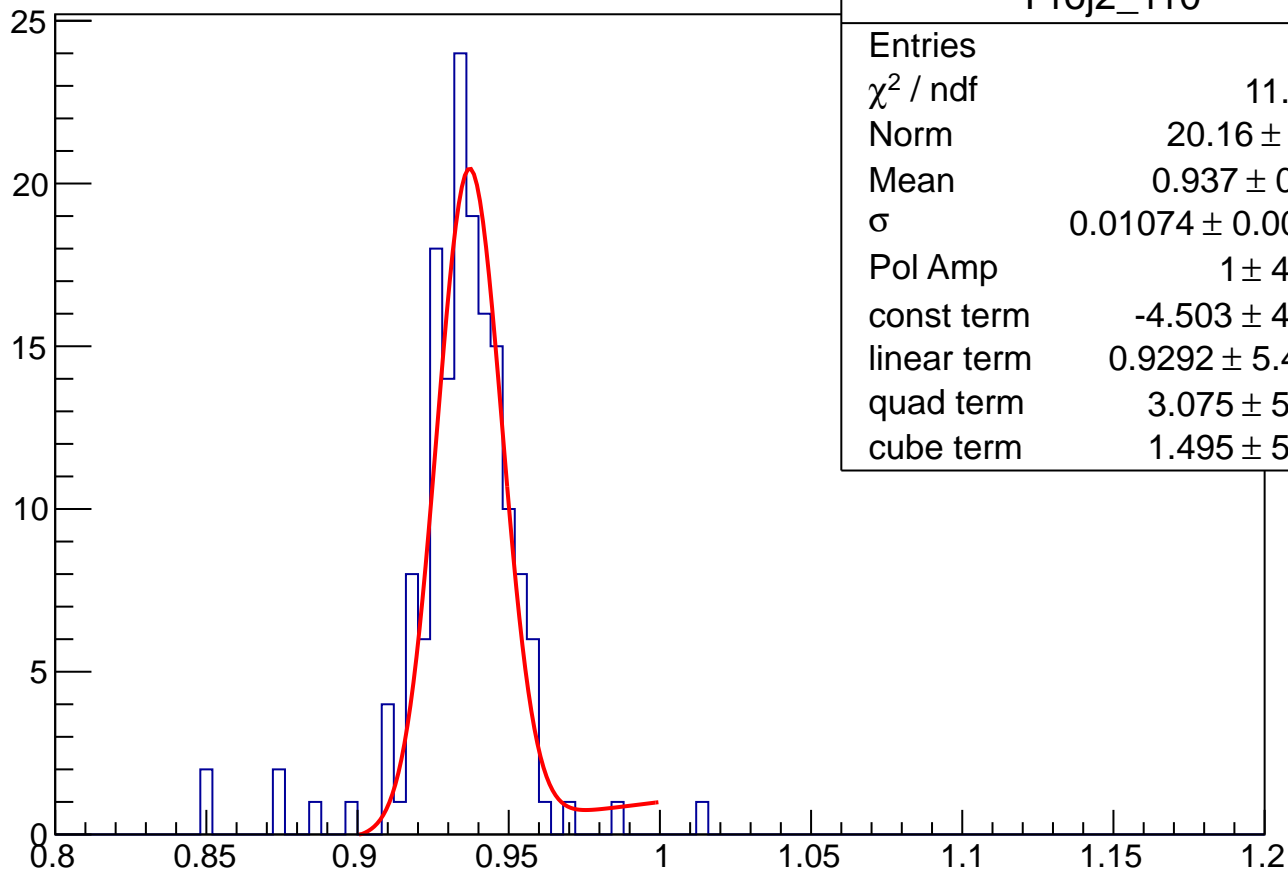


PhiThetaMassPim

Proj2_1023	
Entries	196
χ^2 / ndf	8.669 / 10
Norm	24.85 ± 2.51
Mean	0.9409 ± 0.0009
σ	0.01032 ± 0.00093
Pol Amp	1.48 ± 71.16
const term	2.004 ± 26.415
linear term	2.514 ± 7.857
quad term	0.4117 ± 8.5315
cube term	-4.503 ± 22.440



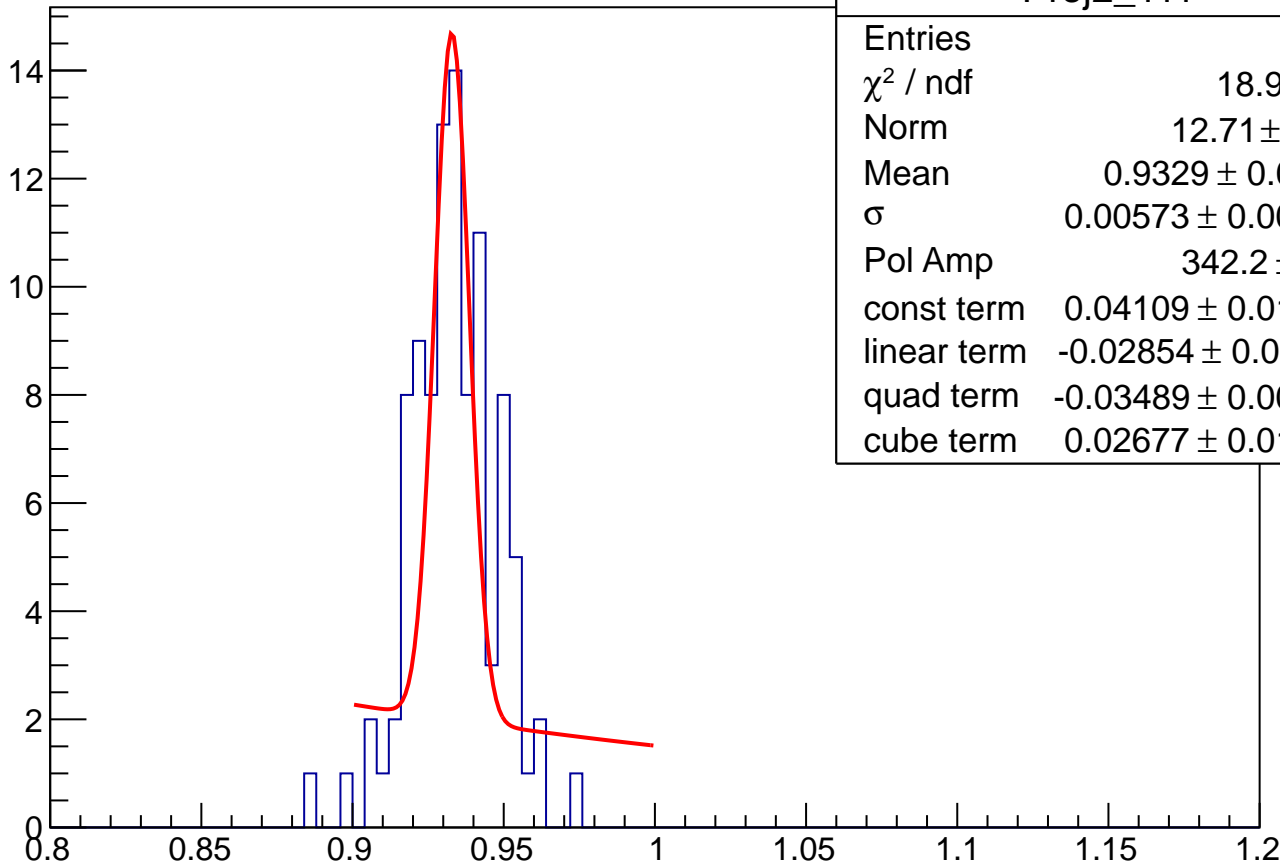
PhiThetaMassPim



Proj2_110

Entries	159
χ^2 / ndf	11.8 / 8
Norm	20.16 ± 2.19
Mean	0.937 ± 0.001
σ	0.01074 ± 0.00109
Pol Amp	1 ± 467.7
const term	-4.503 ± 4.915
linear term	0.9292 ± 5.4160
quad term	3.075 ± 5.652
cube term	1.495 ± 5.592

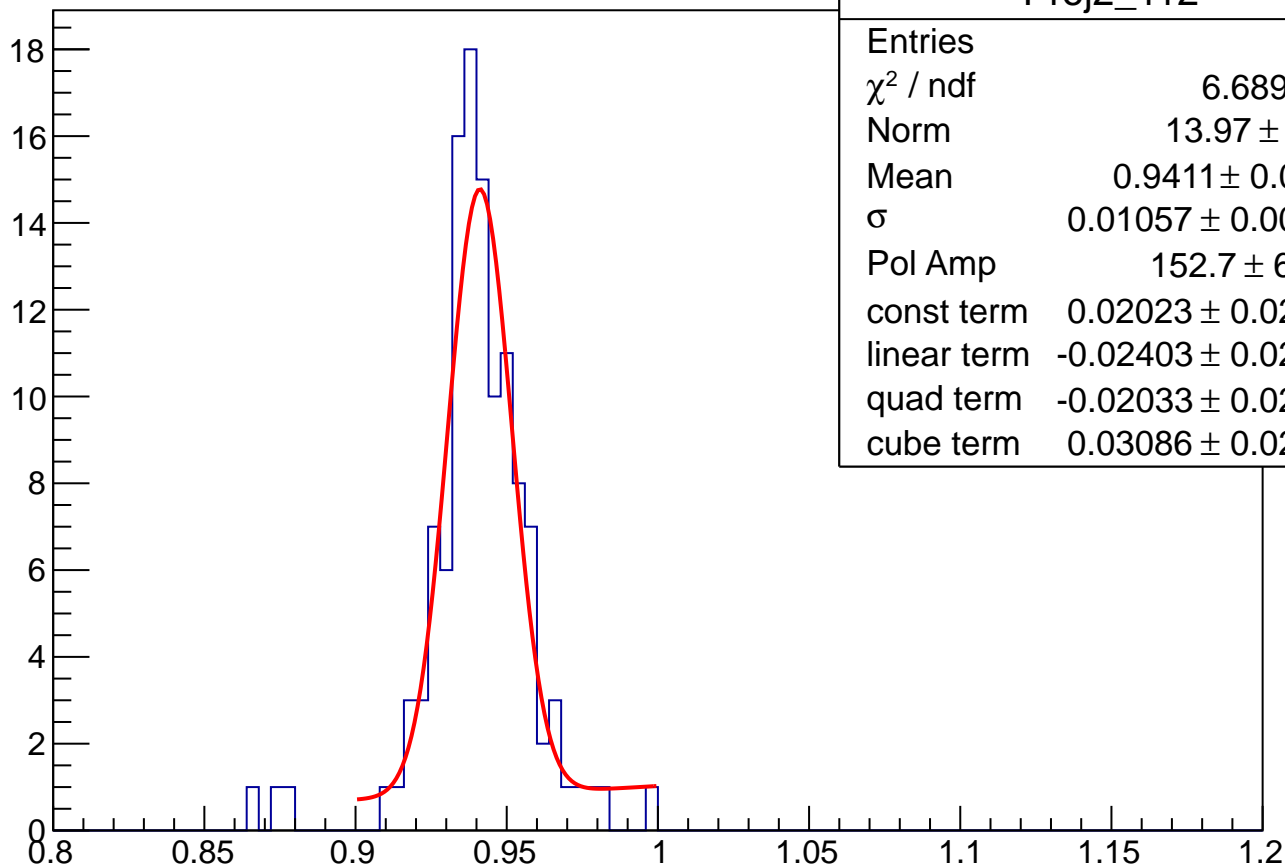
PhiThetaMassPim



Proj2_111

Entries	98
χ^2 / ndf	18.92 / 8
Norm	12.71 ± 2.21
Mean	0.9329 ± 0.0000
σ	0.00573 ± 0.00000
Pol Amp	342.2 ± 0.0
const term	0.04109 ± 0.01355
linear term	-0.02854 ± 0.00491
quad term	-0.03489 ± 0.00513
cube term	0.02677 ± 0.01626

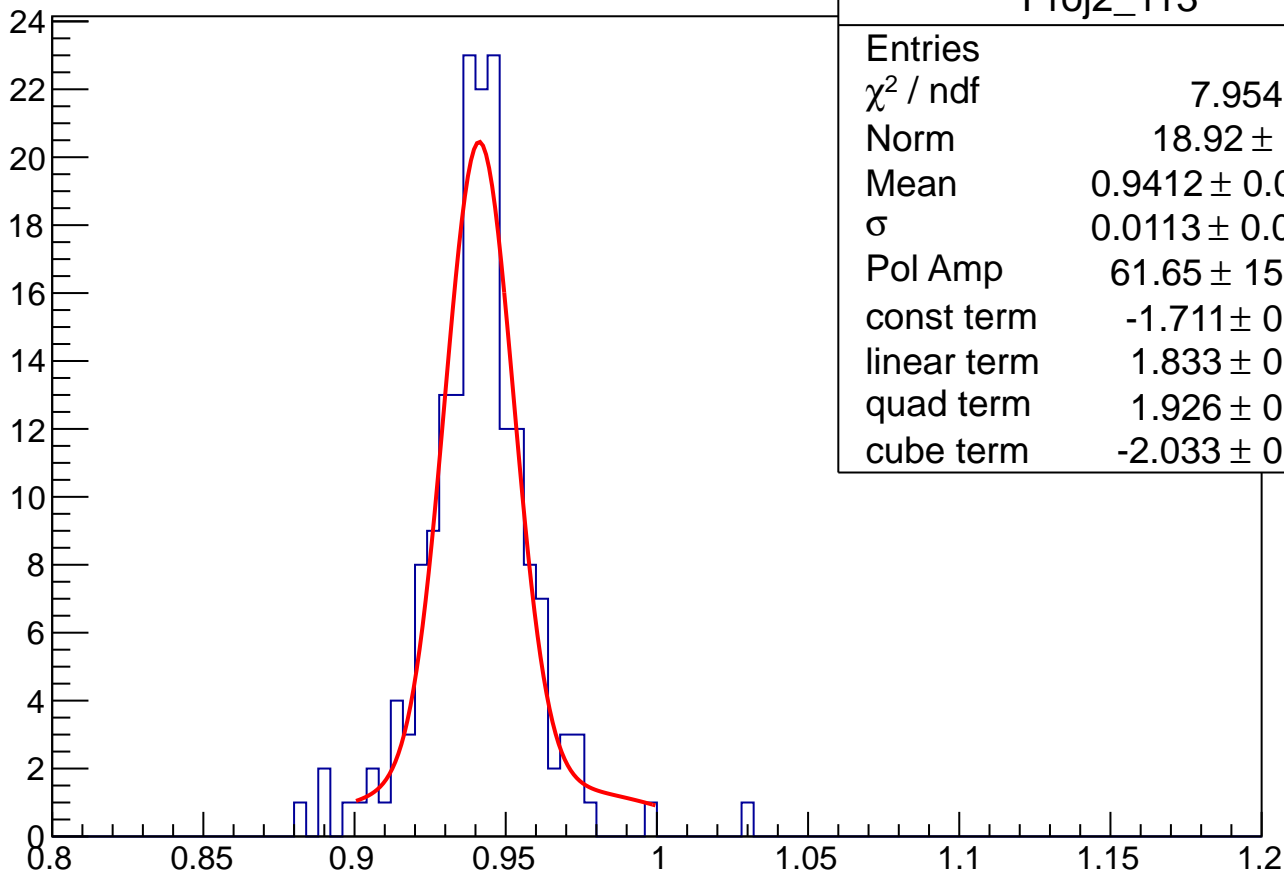
PhiThetaMassPim



Proj2_112

Entries	119
χ^2 / ndf	6.689 / 12
Norm	13.97 ± 1.93
Mean	0.9411 ± 0.0013
σ	0.01057 ± 0.00137
Pol Amp	152.7 ± 642.1
const term	0.02023 ± 0.02013
linear term	-0.02403 ± 0.02342
quad term	-0.02033 ± 0.02519
cube term	0.03086 ± 0.02549

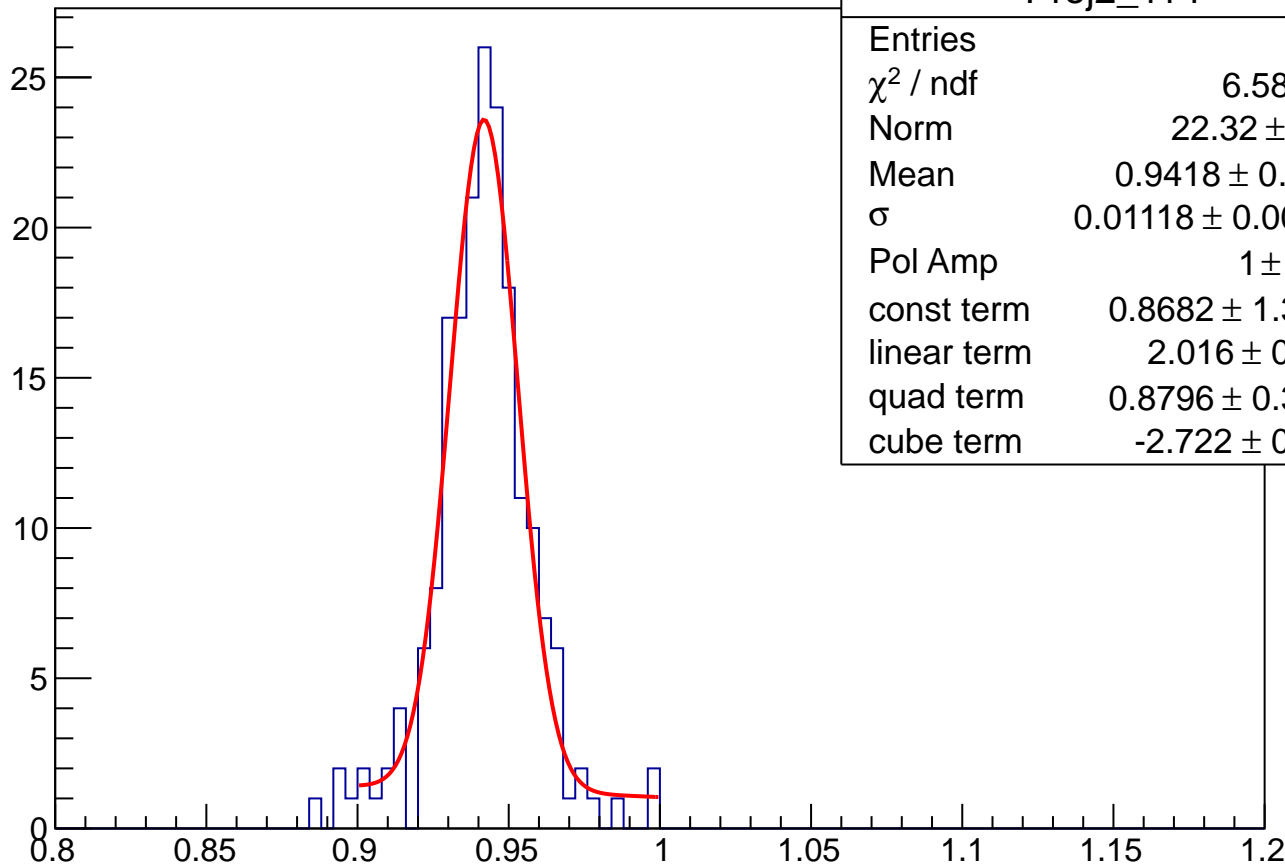
PhiThetaMassPim



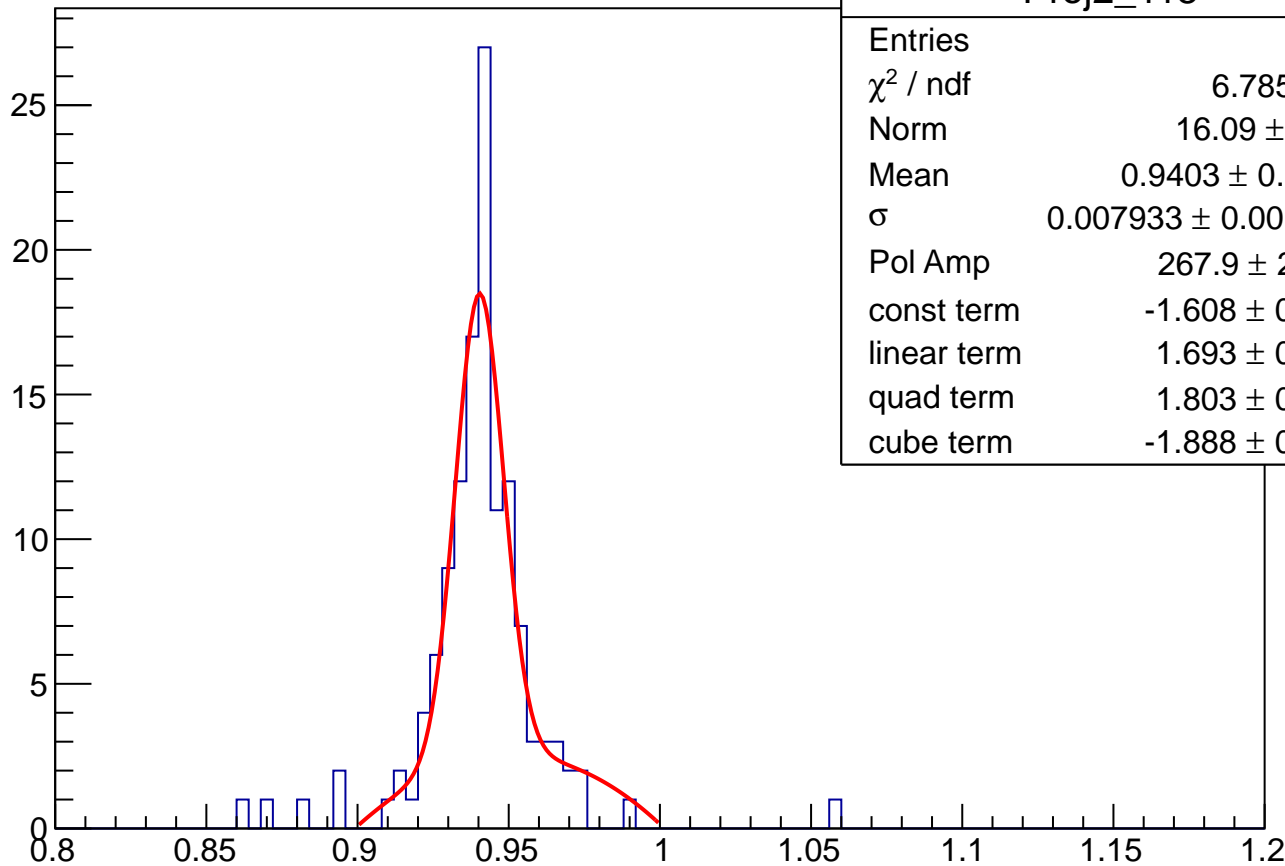
Proj2_113

Entries	176
χ^2 / ndf	7.954 / 13
Norm	18.92 ± 2.30
Mean	0.9412 ± 0.0012
σ	0.0113 ± 0.0015
Pol Amp	61.65 ± 151.64
const term	-1.711 ± 0.060
linear term	1.833 ± 0.073
quad term	1.926 ± 0.076
cube term	-2.033 ± 0.067

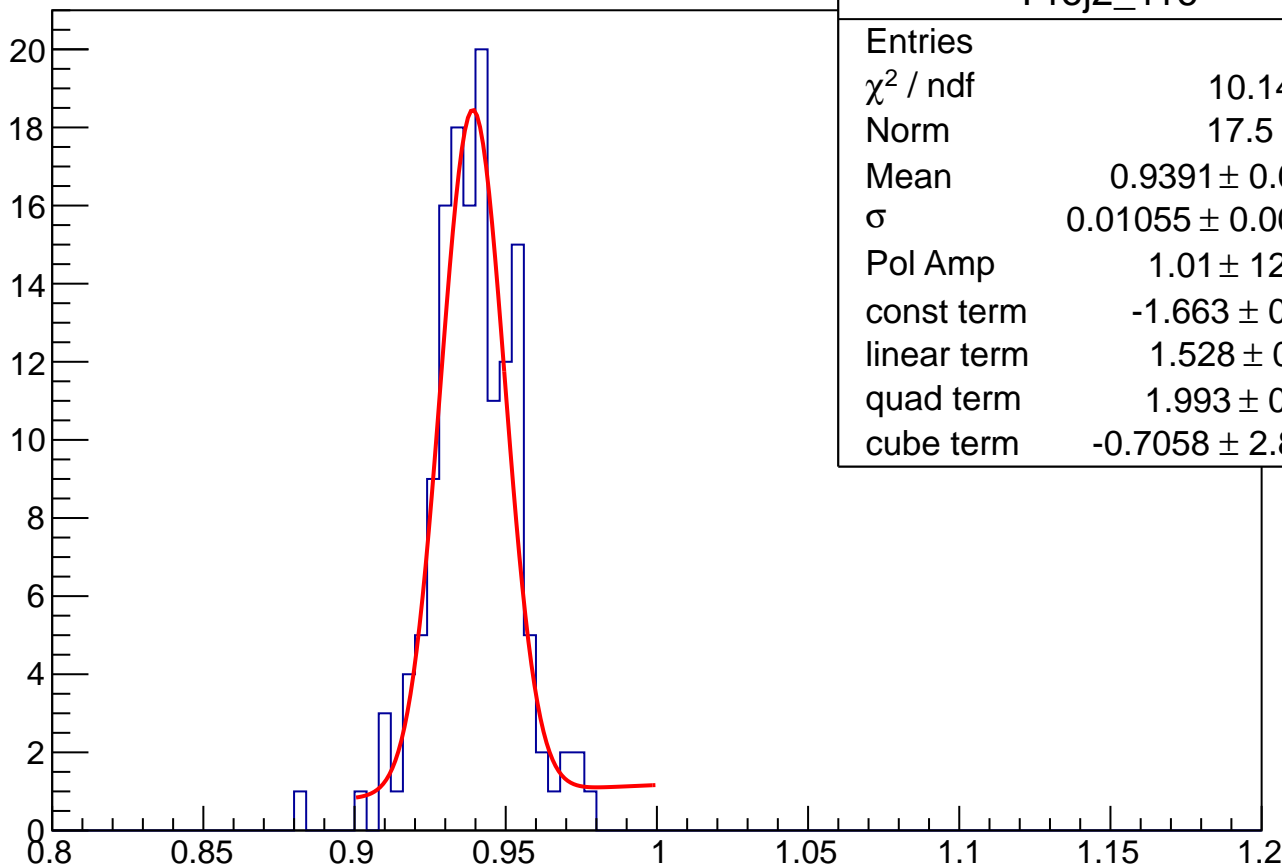
PhiThetaMassPim



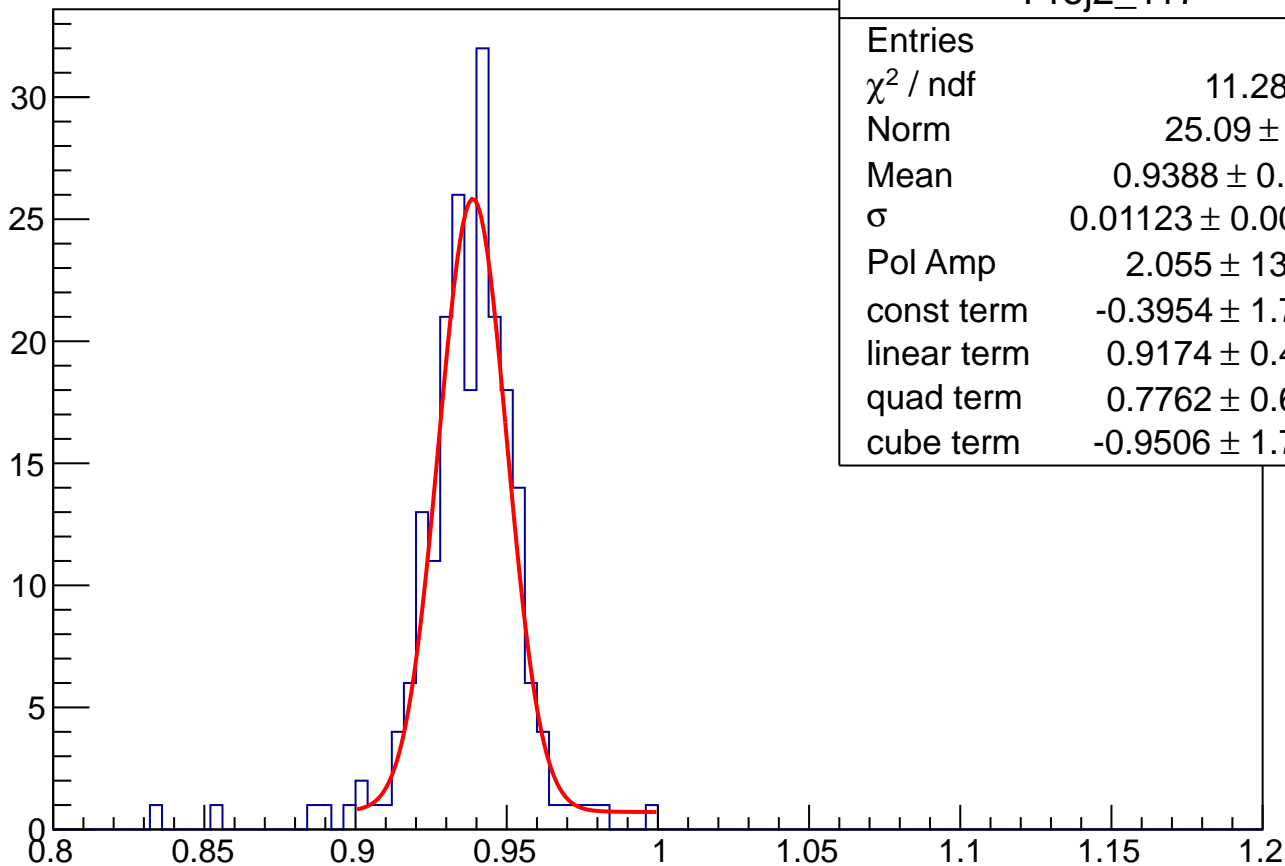
PhiThetaMassPim



PhiThetaMassPim



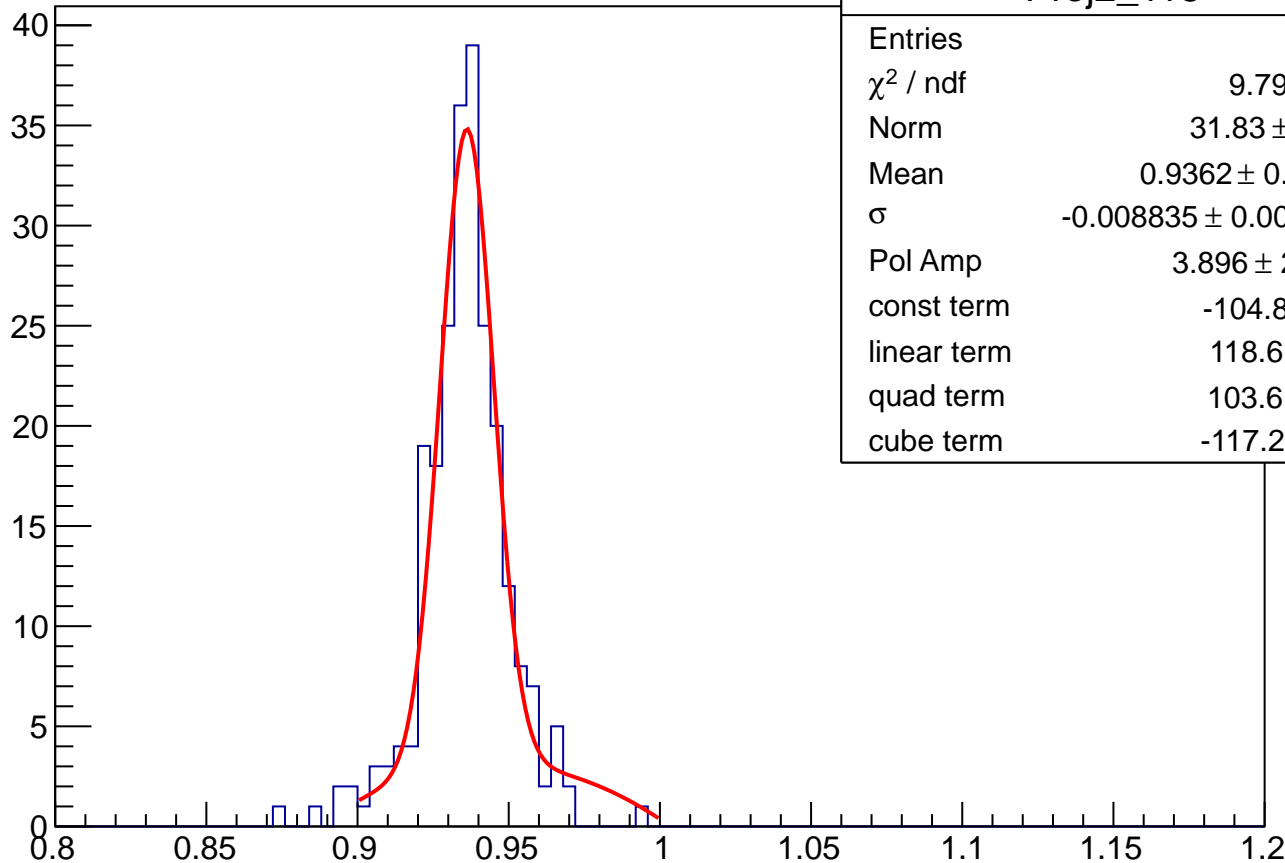
PhiThetaMassPim



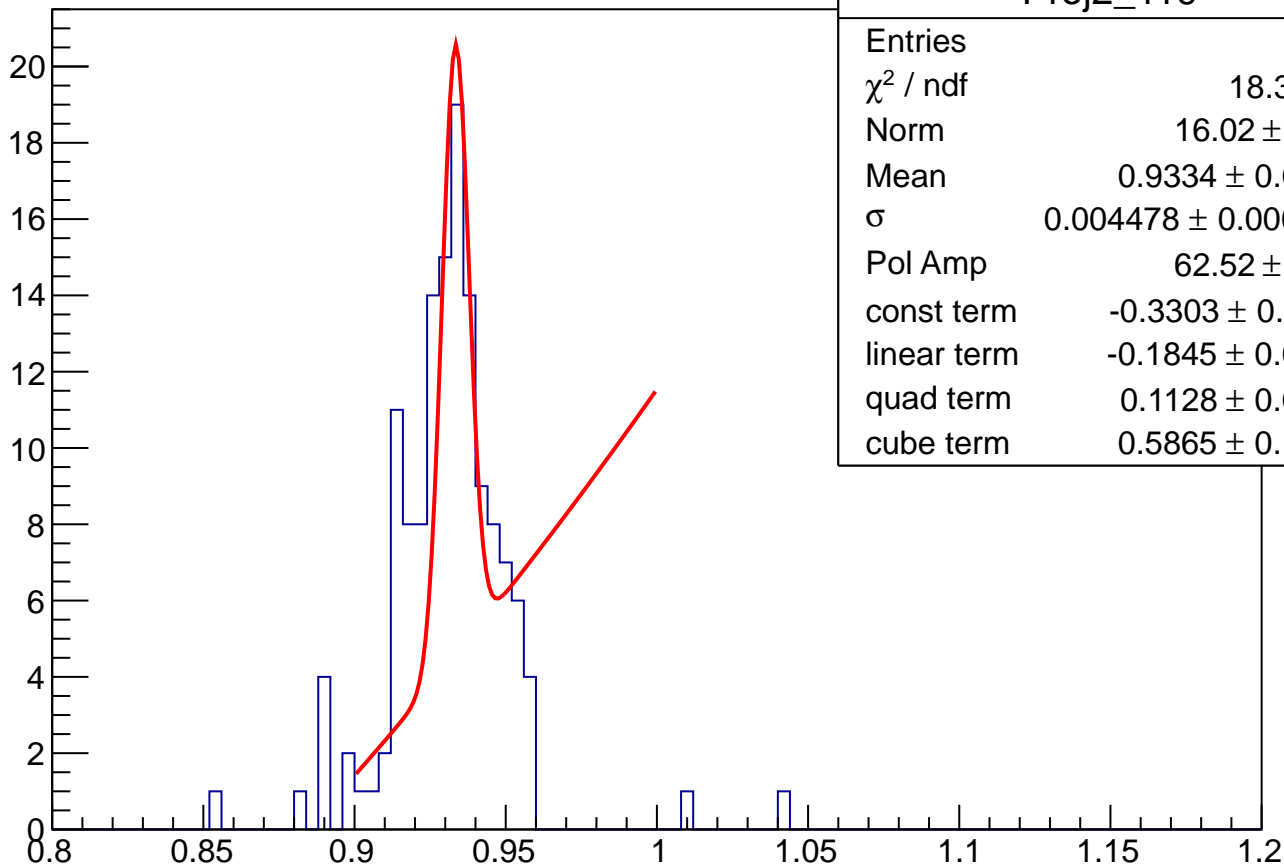
Proj2_117

Entries	209
χ^2 / ndf	11.28 / 14
Norm	25.09 ± 2.29
Mean	0.9388 ± 0.0011
σ	0.01123 ± 0.00087
Pol Amp	2.055 ± 13.913
const term	-0.3954 ± 1.7826
linear term	0.9174 ± 0.4534
quad term	0.7762 ± 0.6144
cube term	-0.9506 ± 1.7094

PhiThetaMassPim



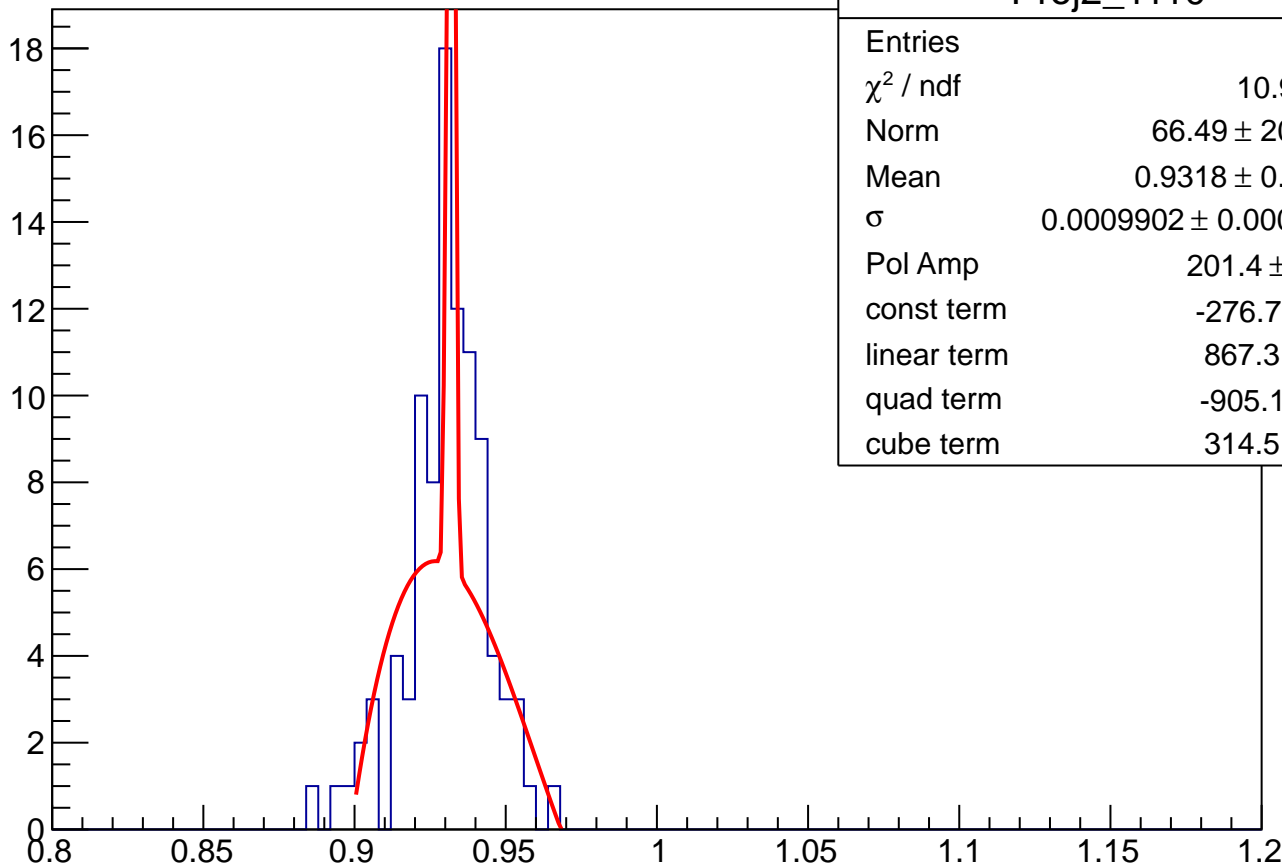
PhiThetaMassPim



Proj2_119

Entries	137
χ^2 / ndf	18.34 / 7
Norm	16.02 ± 2.97
Mean	0.9334 ± 0.0000
σ	0.004478 ± 0.000004
Pol Amp	62.52 ± 0.17
const term	-0.3303 ± 0.1152
linear term	-0.1845 ± 0.0429
quad term	0.1128 ± 0.0453
cube term	0.5865 ± 0.1508

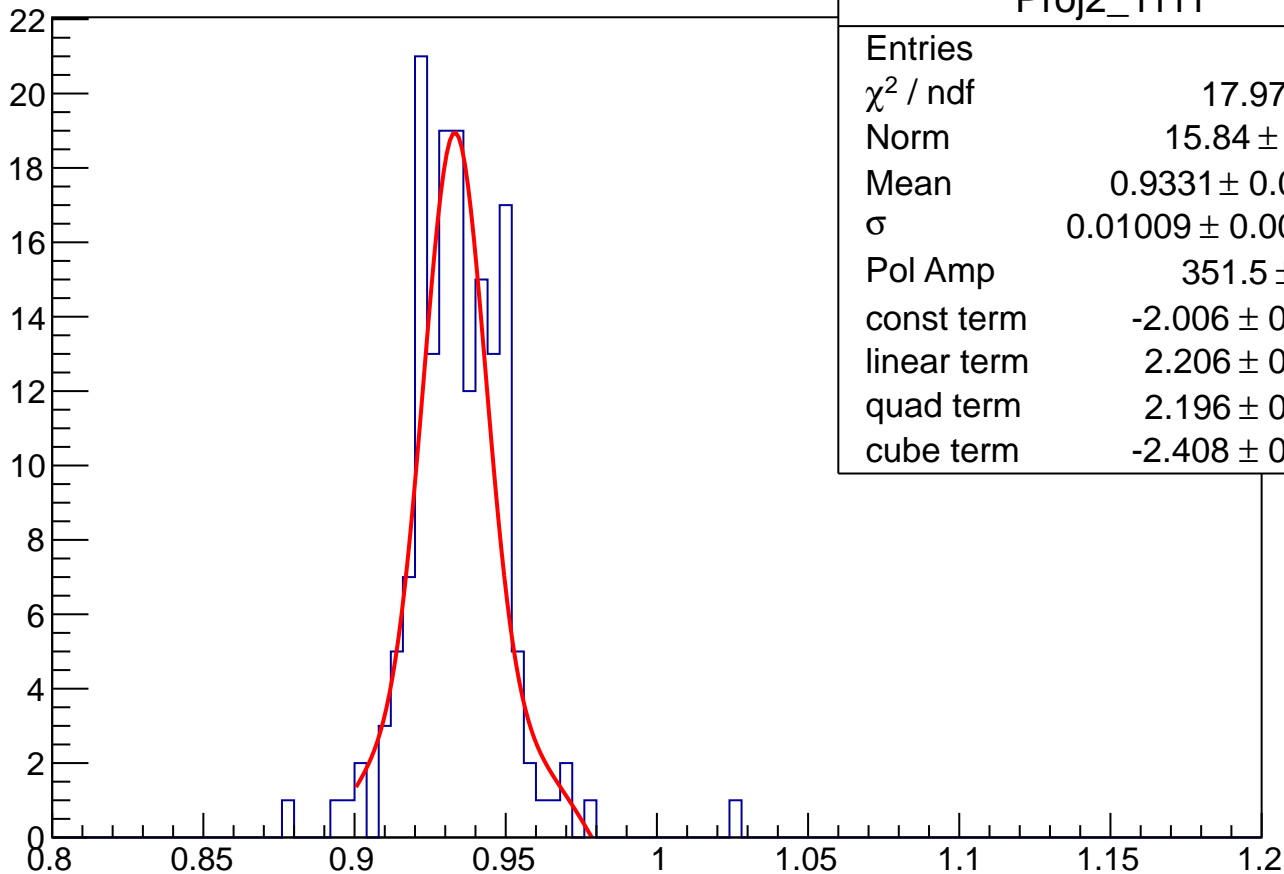
PhiThetaMassPim



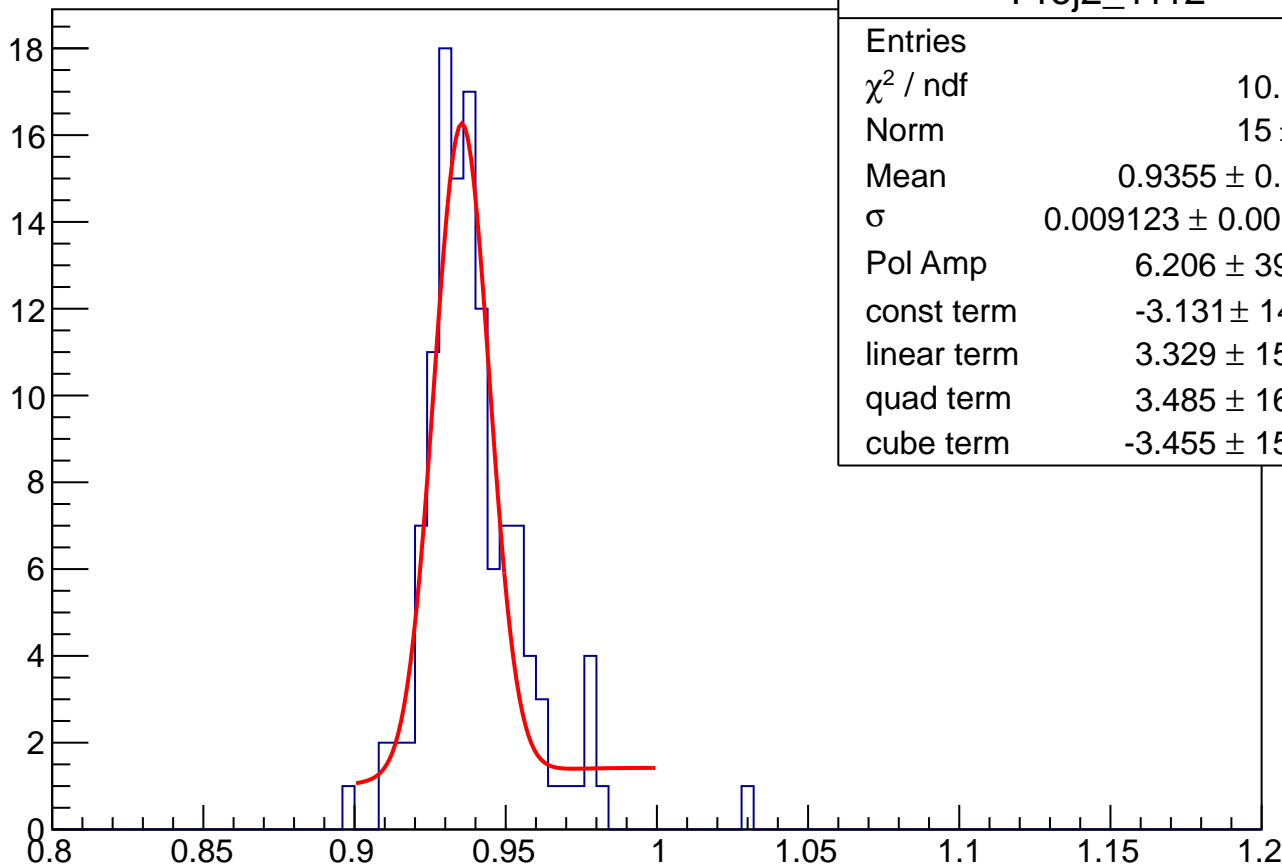
Proj2_1110

Entries	95
χ^2 / ndf	10.94 / 7
Norm	66.49 ± 206.69
Mean	0.9318 ± 0.0003
σ	0.0009902 ± 0.0007611
Pol Amp	201.4 ± 58.9
const term	-276.7 ± 0.0
linear term	867.3 ± 0.0
quad term	-905.1 ± 0.0
cube term	314.5 ± 0.0

PhiThetaMassPim



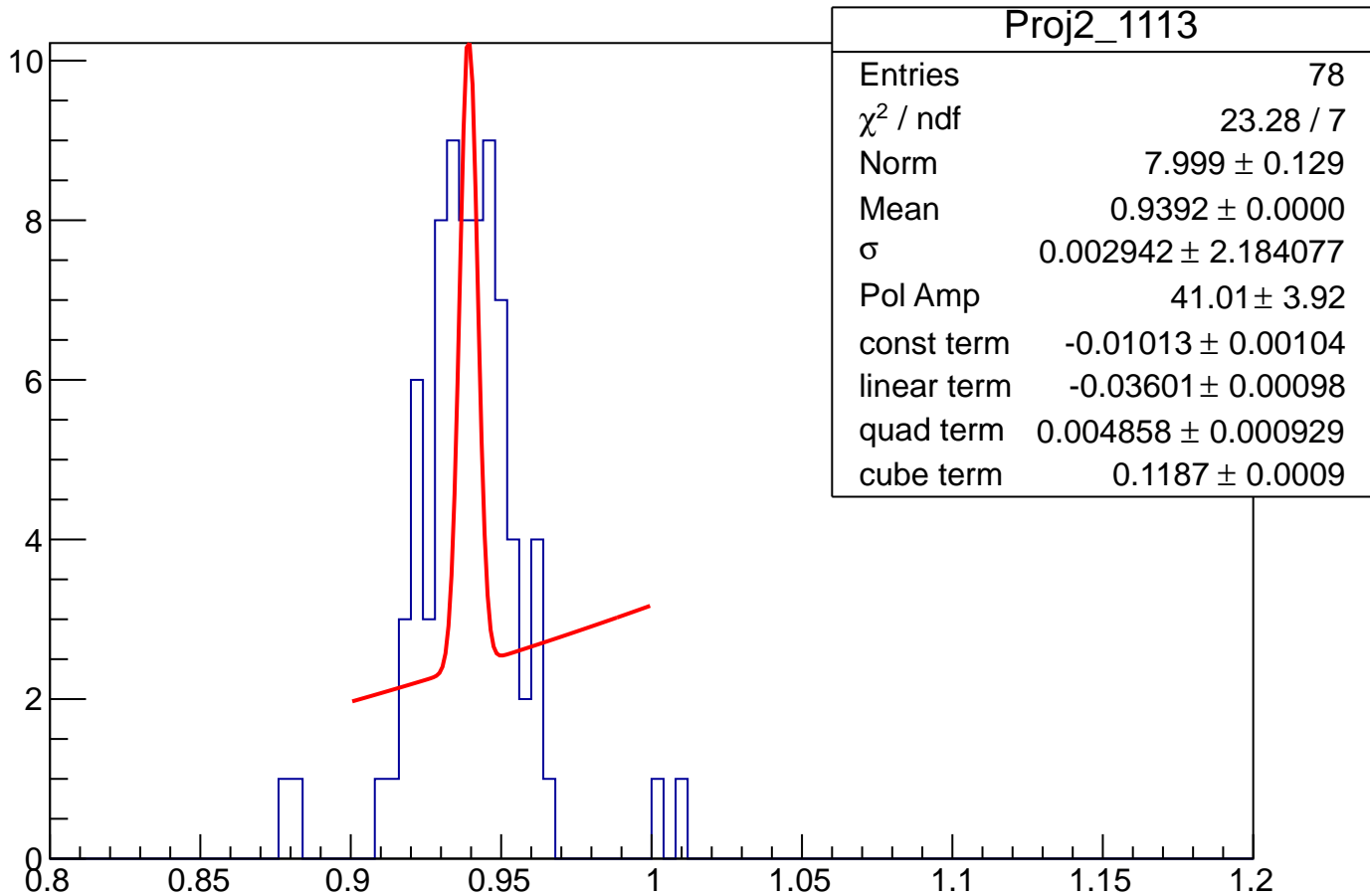
PhiThetaMassPim



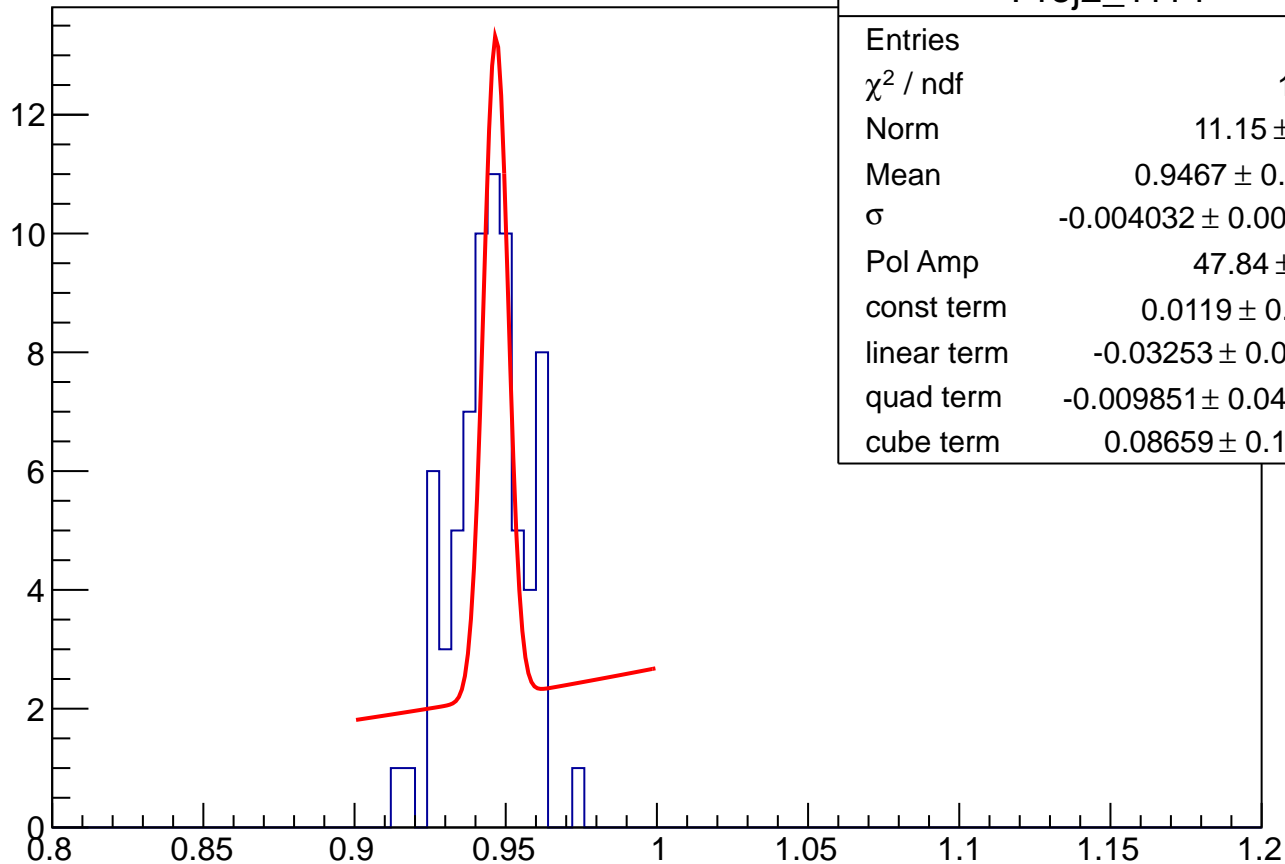
Proj2_1112

Entries	123
χ^2 / ndf	10.6 / 11
Norm	15 ± 2.5
Mean	0.9355 ± 0.0014
σ	0.009123 ± 0.001944
Pol Amp	6.206 ± 39.032
const term	-3.131 ± 14.901
linear term	3.329 ± 15.450
quad term	3.485 ± 16.339
cube term	-3.455 ± 15.922

PhiThetaMassPim



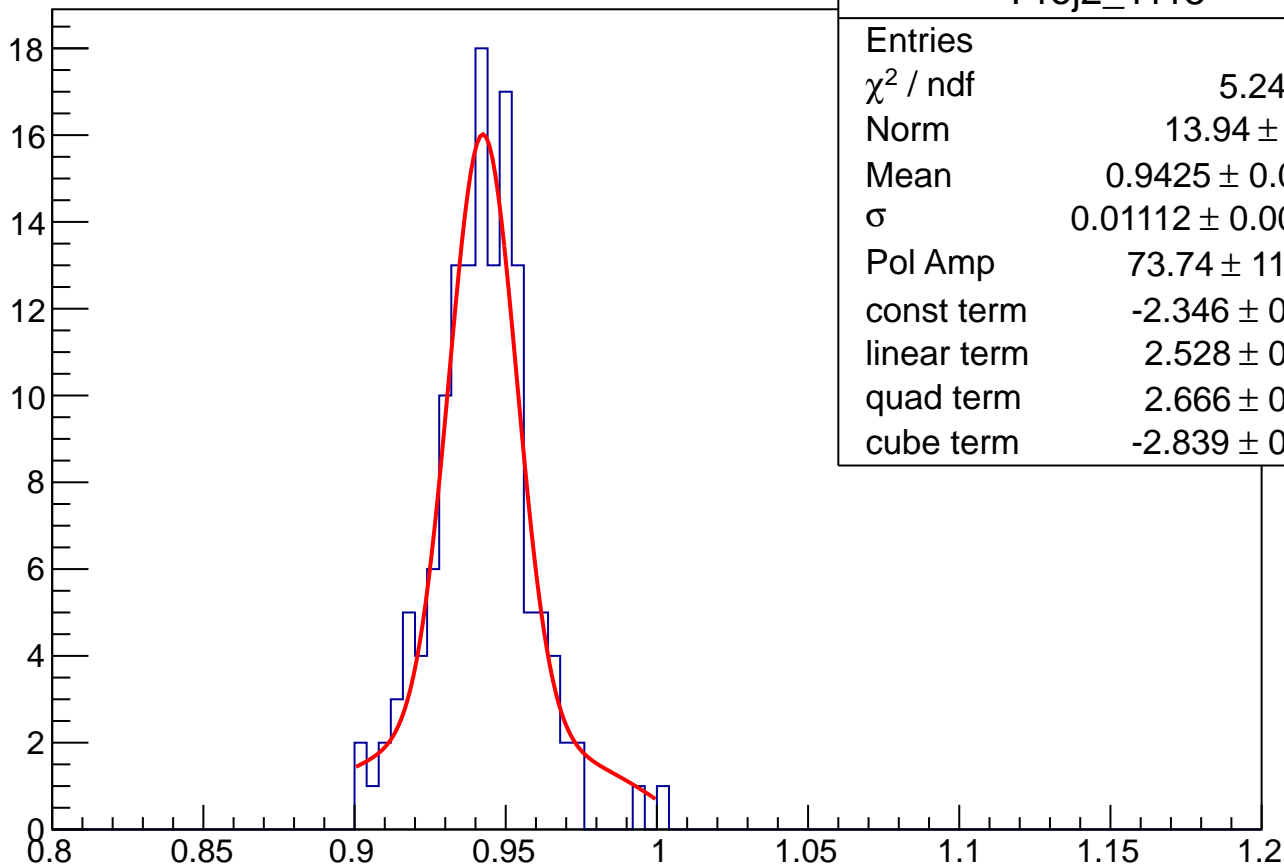
PhiThetaMassPim



Proj2_1114

Entries	72
χ^2 / ndf	16 / 5
Norm	11.15 ± 2.51
Mean	0.9467 ± 0.0000
σ	-0.004032 ± 0.000017
Pol Amp	47.84 ± 0.11
const term	0.0119 ± 0.1146
linear term	-0.03253 ± 0.04100
quad term	-0.009851 ± 0.043476
cube term	0.08659 ± 0.13878

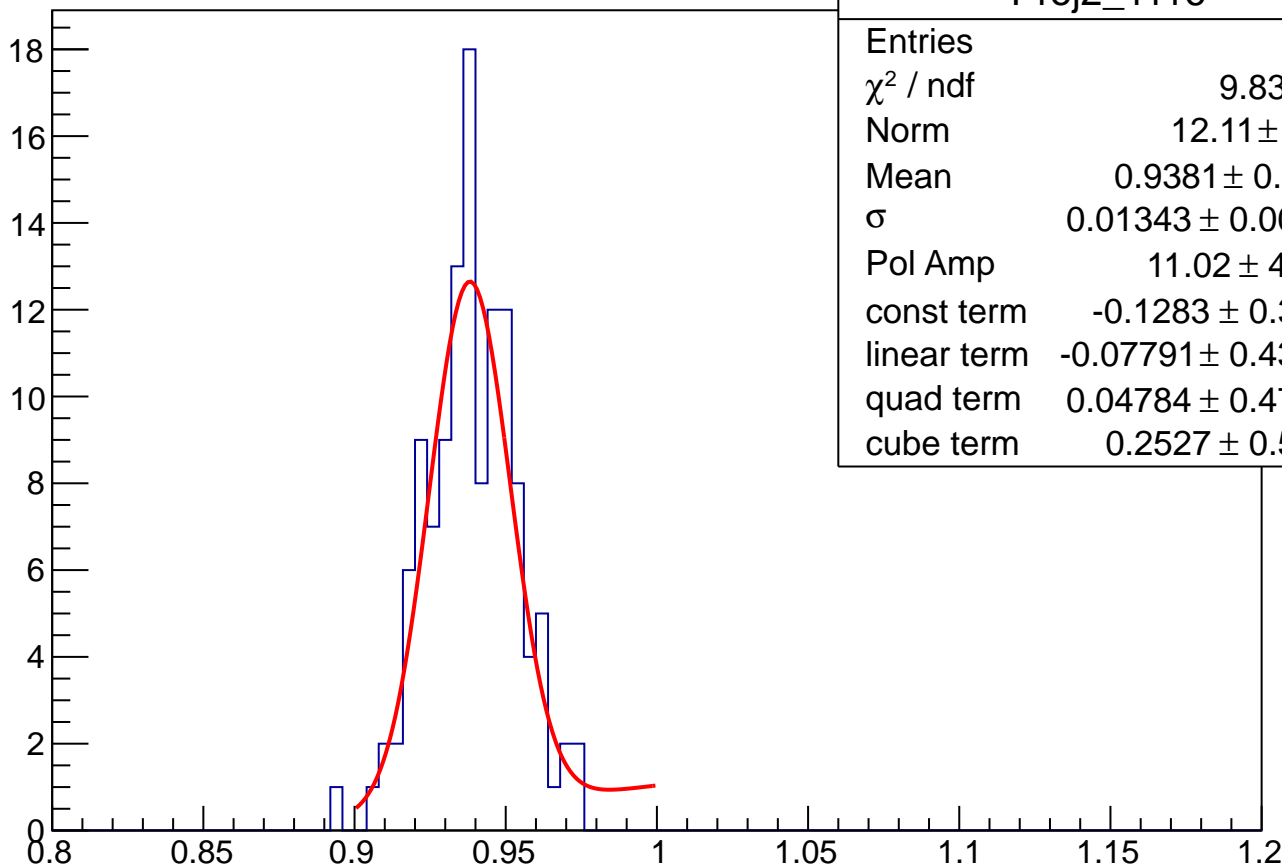
PhiThetaMassPim



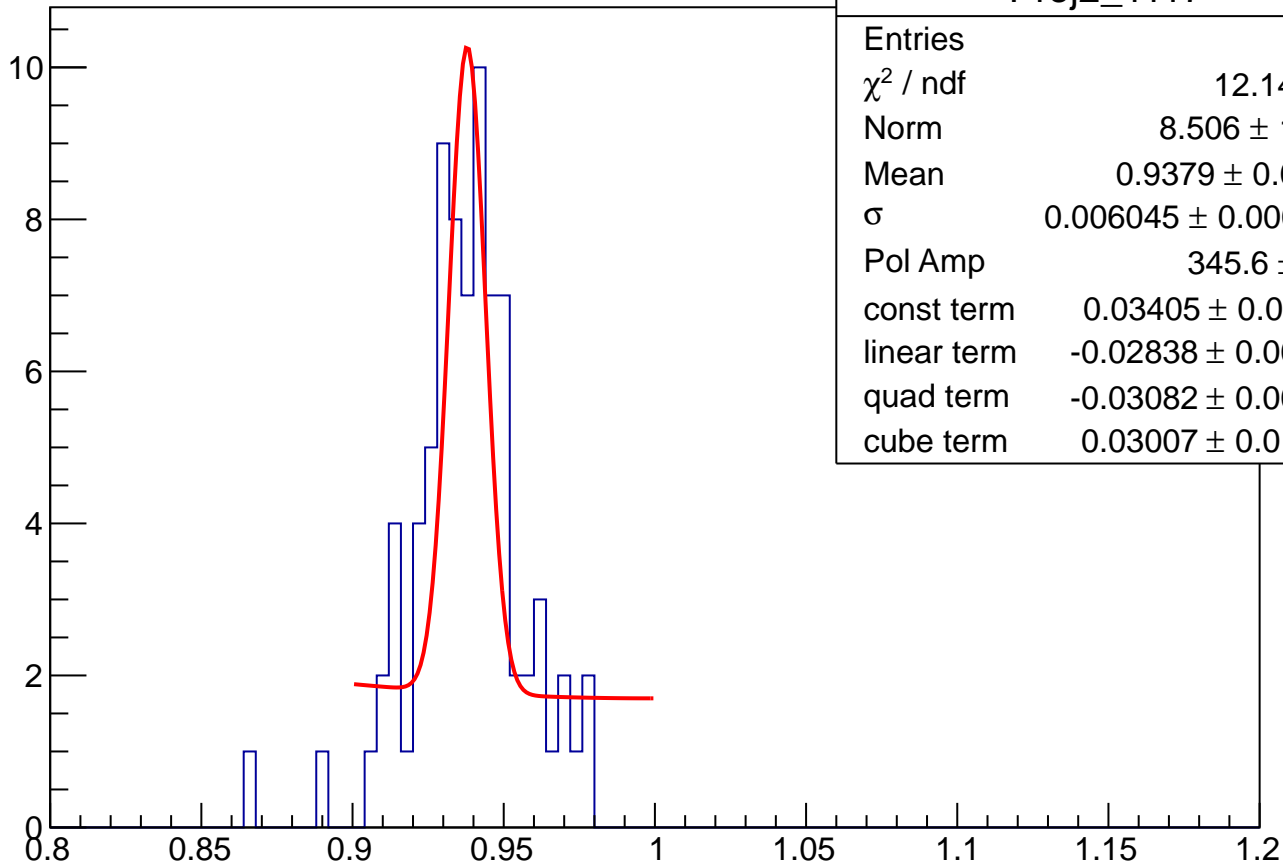
Proj2_1115

Entries	140
χ^2 / ndf	5.24 / 12
Norm	13.94 ± 2.14
Mean	0.9425 ± 0.0015
σ	0.01112 ± 0.00189
Pol Amp	73.74 ± 119.27
const term	-2.346 ± 0.060
linear term	2.528 ± 0.067
quad term	2.666 ± 0.069
cube term	-2.839 ± 0.064

PhiThetaMassPim



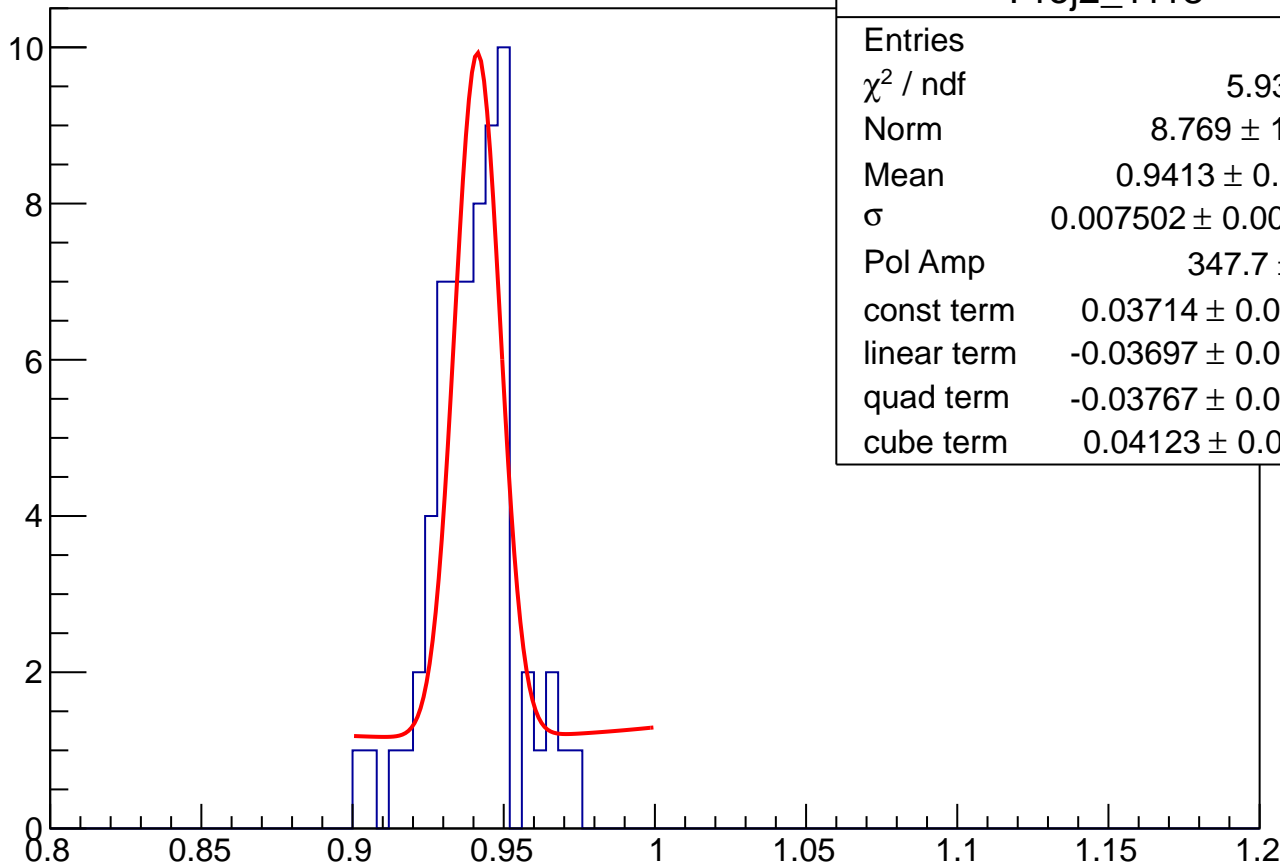
PhiThetaMassPim



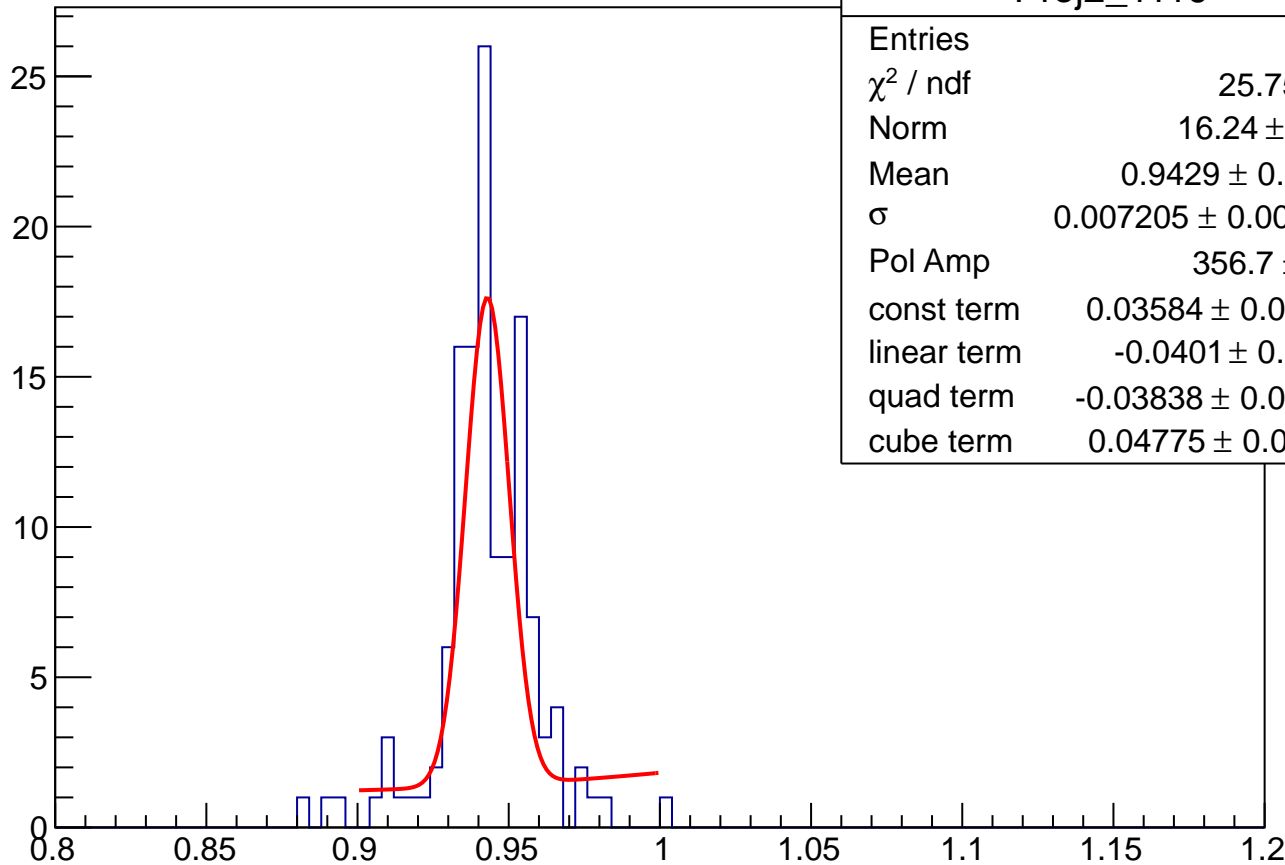
Proj2_1117

Entries	80
χ^2 / ndf	12.14 / 11
Norm	8.506 ± 1.811
Mean	0.9379 ± 0.0000
σ	0.006045 ± 0.000002
Pol Amp	345.6 ± 0.0
const term	0.03405 ± 0.01108
linear term	-0.02838 ± 0.00387
quad term	-0.03082 ± 0.00425
cube term	0.03007 ± 0.01290

PhiThetaMassPim



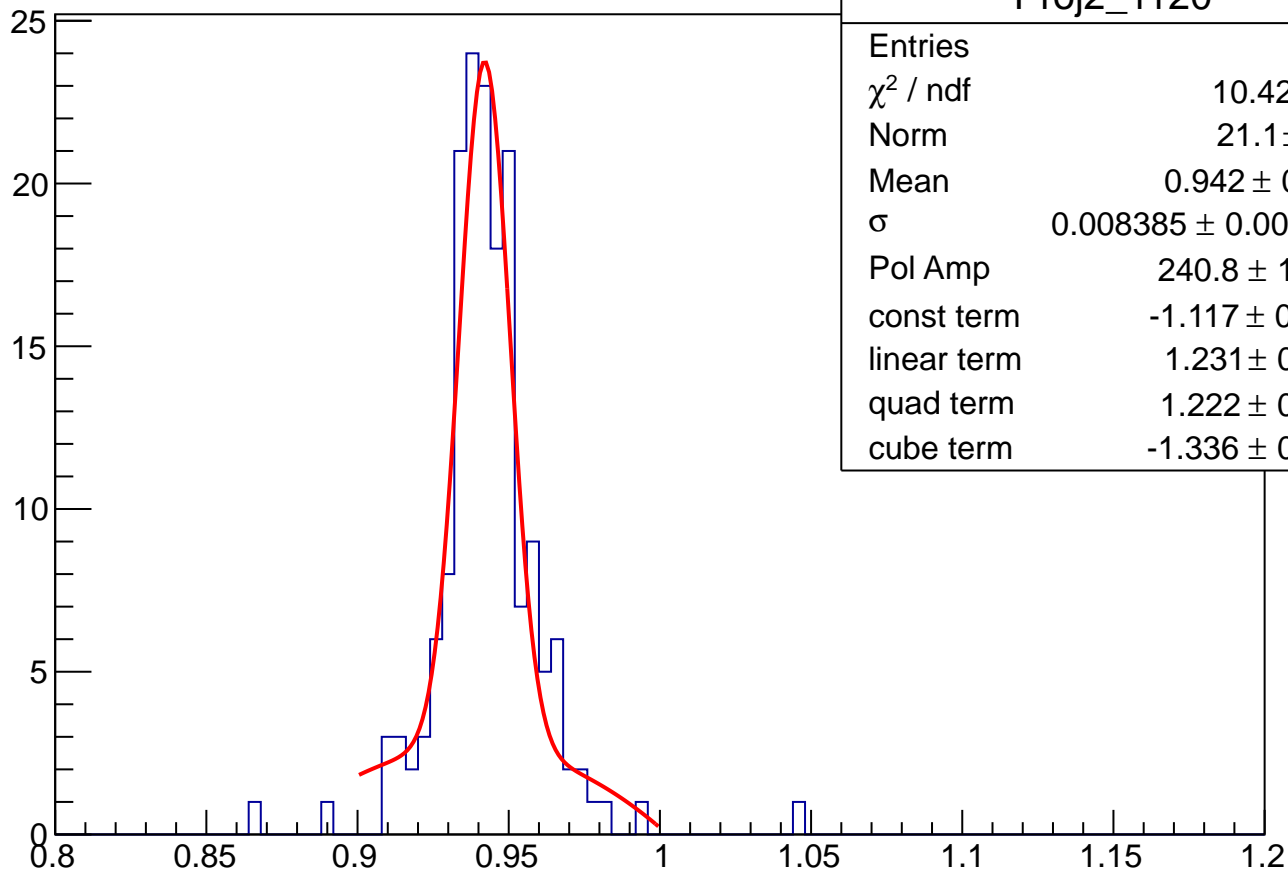
PhiThetaMassPim



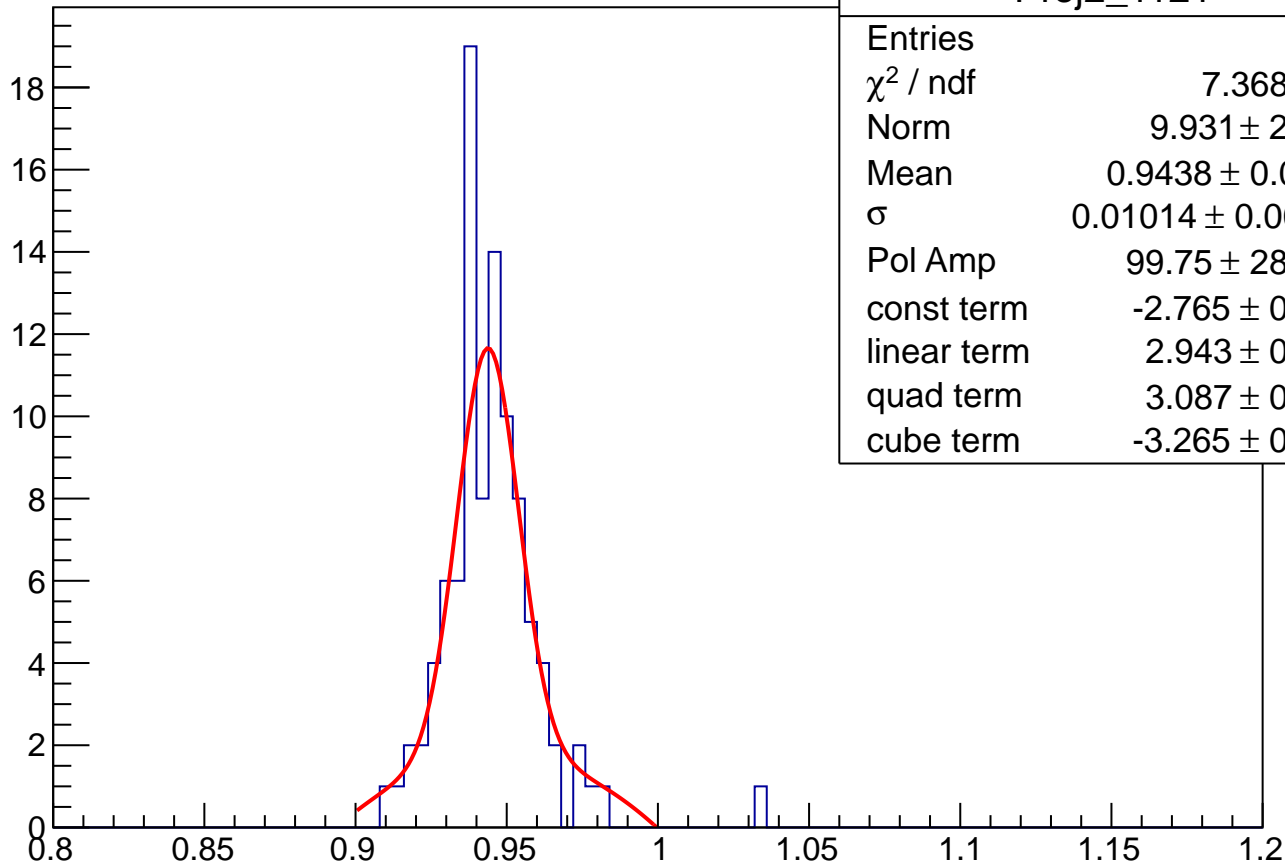
Proj2_1119

Entries	130
χ^2 / ndf	25.75 / 11
Norm	16.24 ± 2.12
Mean	0.9429 ± 0.0000
σ	0.007205 ± 0.000001
Pol Amp	356.7 ± 0.0
const term	0.03584 ± 0.00916
linear term	-0.0401 ± 0.0034
quad term	-0.03838 ± 0.00348
cube term	0.04775 ± 0.01109

PhiThetaMassPim



PhiThetaMassPim

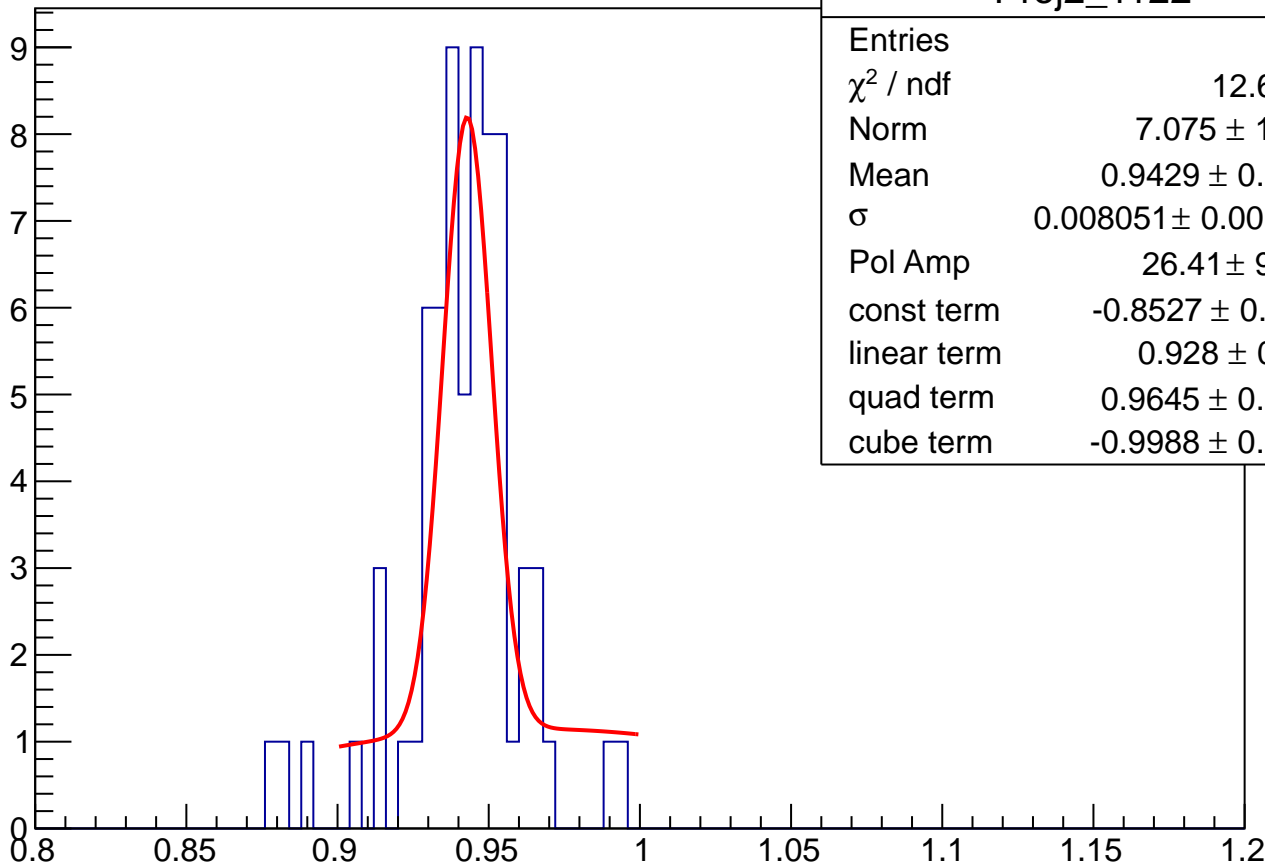


Proj2_1121

Entries	97
χ^2 / ndf	7.368 / 10
Norm	9.931 ± 2.462
Mean	0.9438 ± 0.0017
σ	0.01014 ± 0.00251
Pol Amp	99.75 ± 286.23
const term	-2.765 ± 0.037
linear term	2.943 ± 0.044
quad term	3.087 ± 0.047
cube term	-3.265 ± 0.044

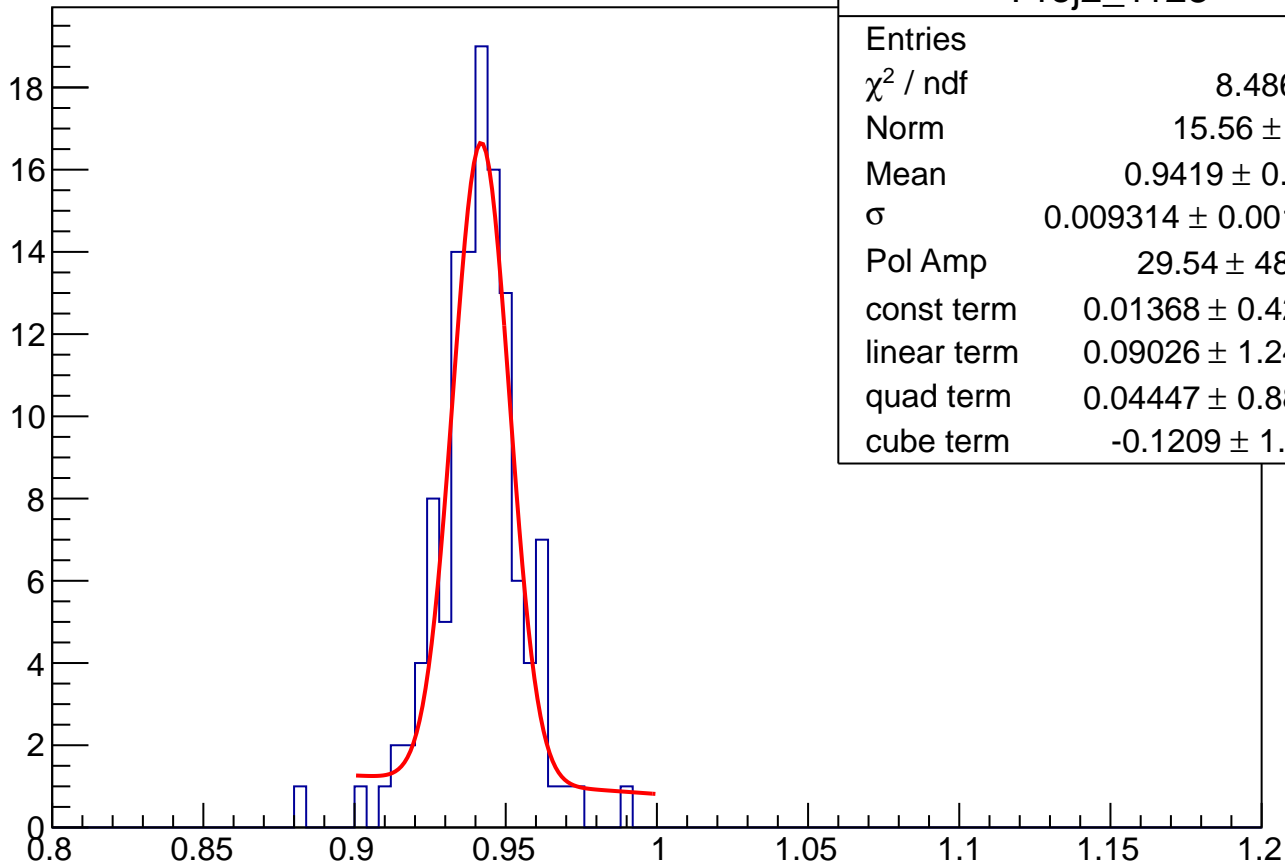
PhiThetaMassPim

Proj2_1122



Entries	70
χ^2 / ndf	12.64 / 9
Norm	7.075 ± 1.589
Mean	0.9429 ± 0.0018
σ	0.008051 ± 0.001379
Pol Amp	26.41 ± 93.07
const term	-0.8527 ± 0.1100
linear term	0.928 ± 0.130
quad term	0.9645 ± 0.1410
cube term	-0.9988 ± 0.1413

PhiThetaMassPim



Proj2_1123

Entries	121
χ^2 / ndf	8.486 / 11
Norm	15.56 ± 2.32
Mean	0.9419 ± 0.0011
σ	0.009314 ± 0.001348
Pol Amp	29.54 ± 483.08
const term	0.01368 ± 0.42915
linear term	0.09026 ± 1.24489
quad term	0.04447 ± 0.88139
cube term	-0.1209 ± 1.5061