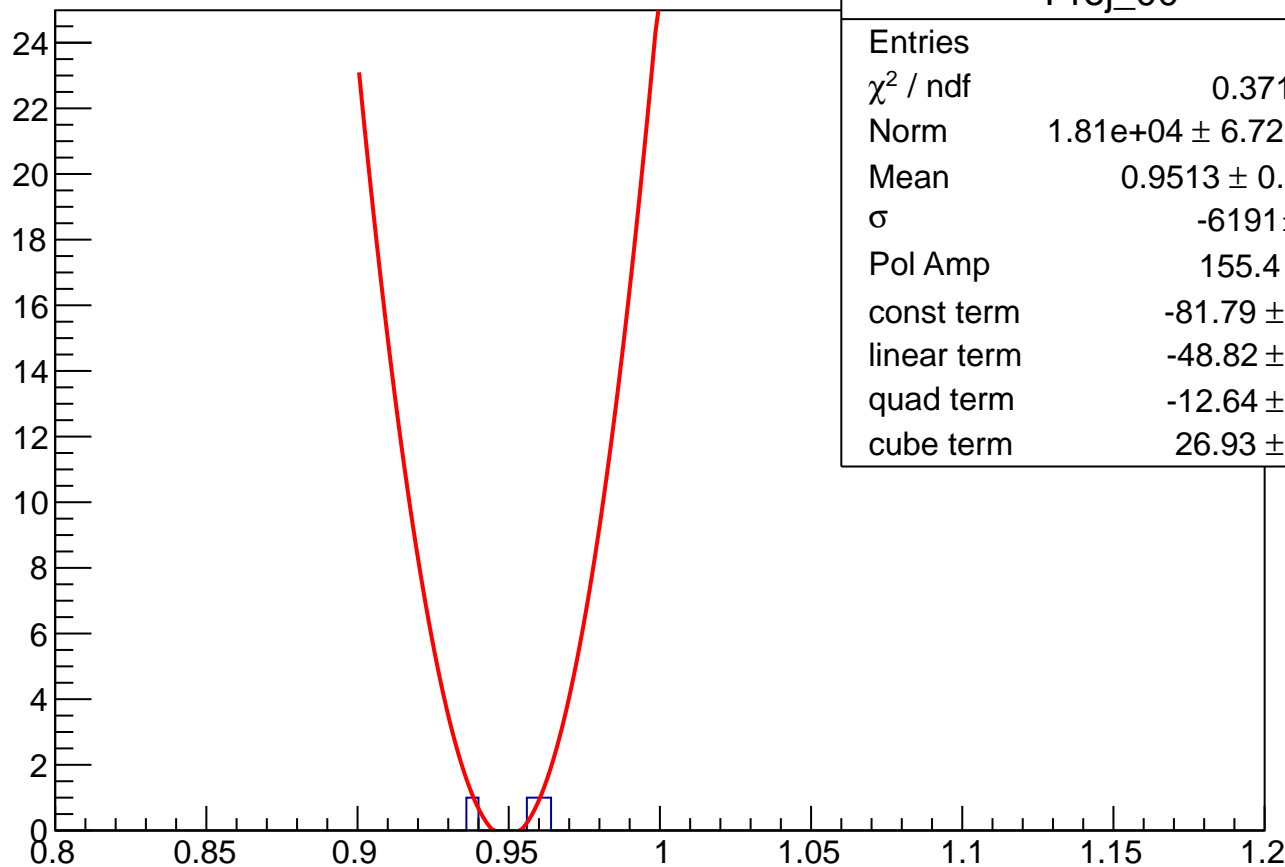
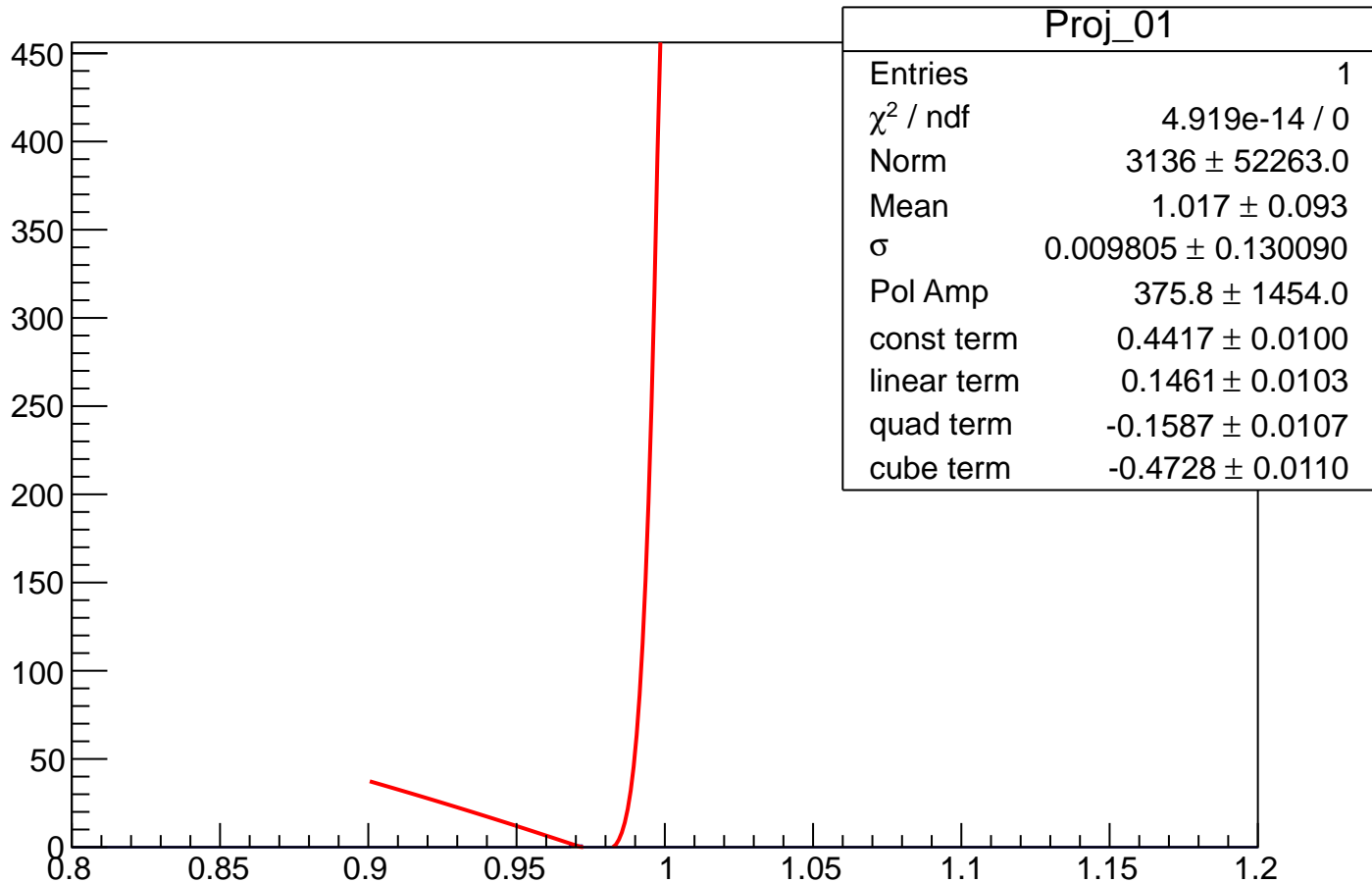


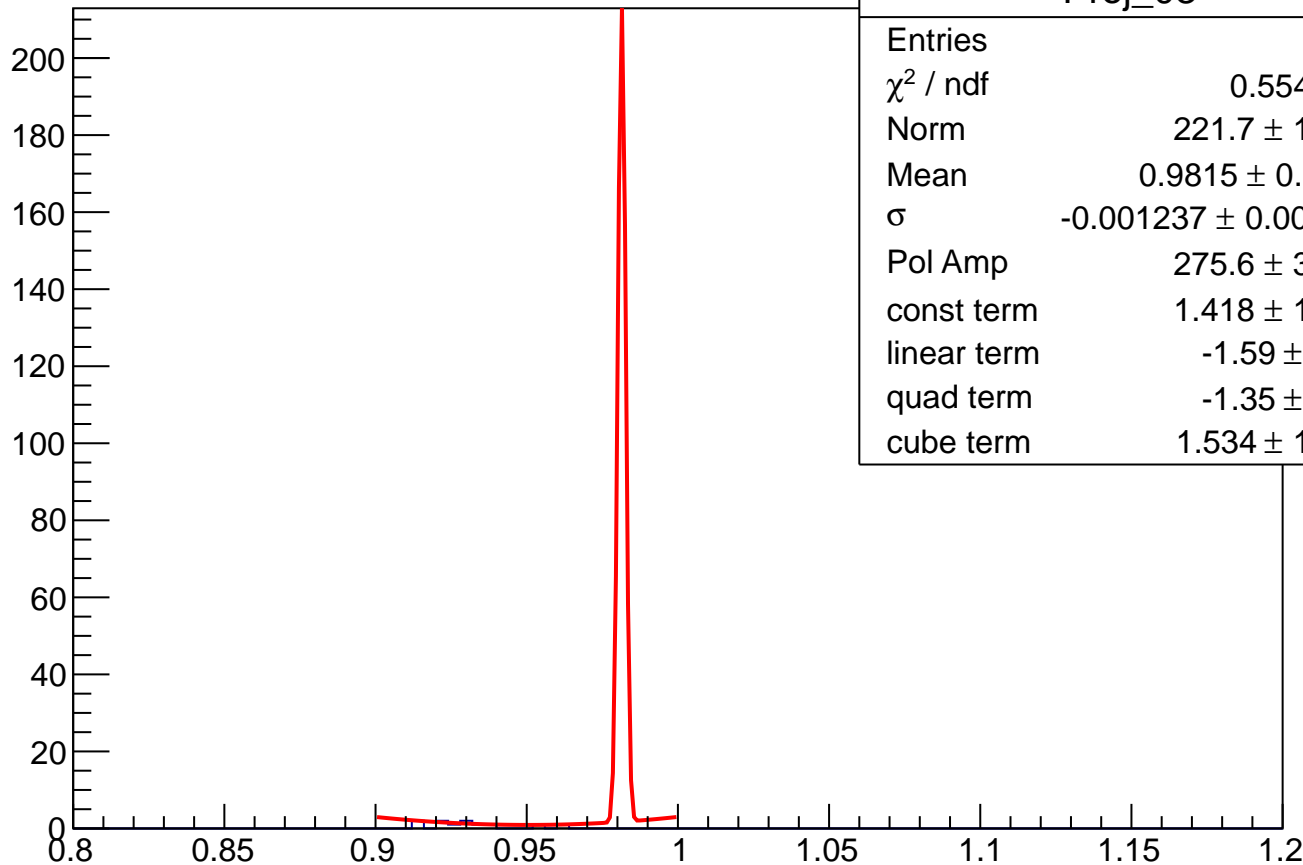
PhiThetaMassPip



PhiThetaMassPip



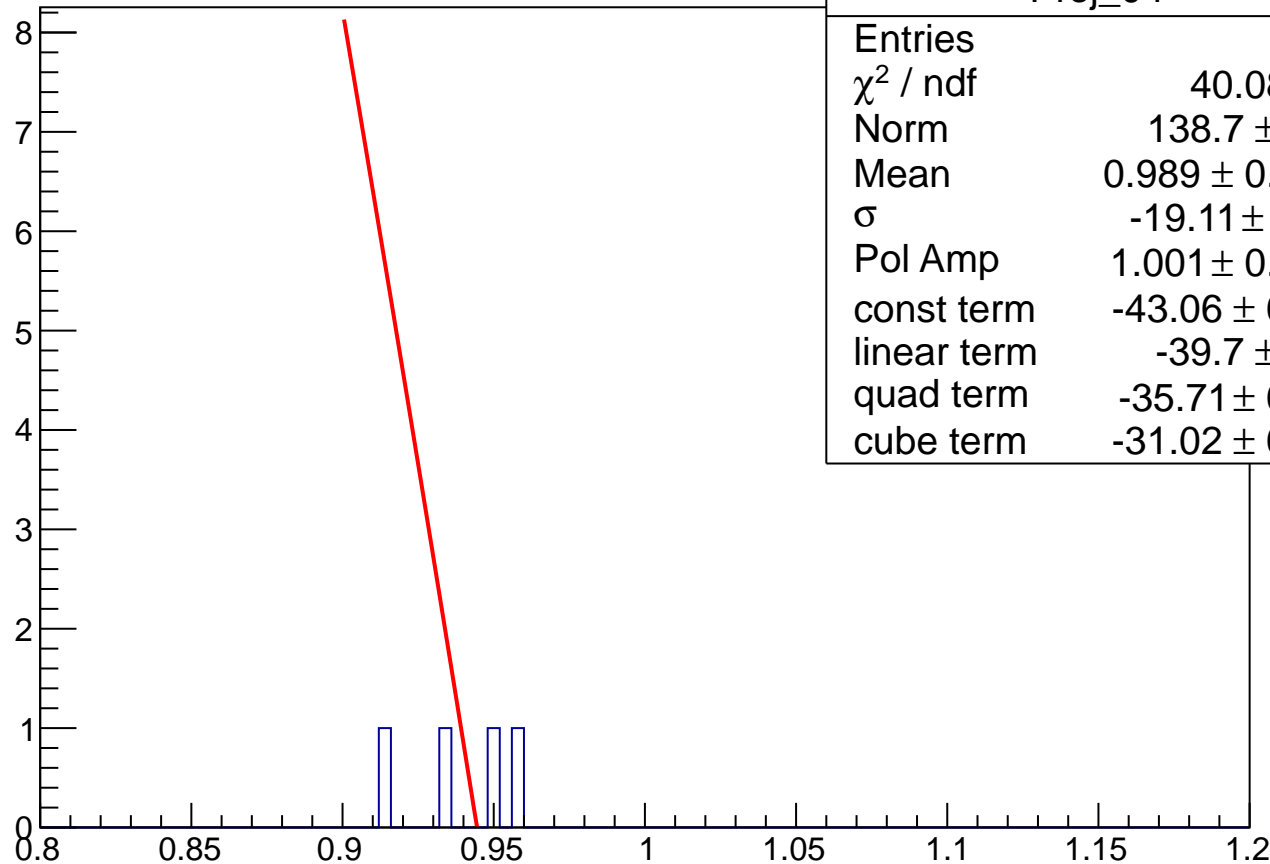
PhiThetaMassPip



Proj_03

Entries	11
χ^2 / ndf	0.5549 / 0
Norm	221.7 ± 153.7
Mean	0.9815 ± 0.0989
σ	-0.001237 ± 0.000001
Pol Amp	275.6 ± 344.9
const term	1.418 ± 1.668
linear term	-1.59 ± 3.84
quad term	-1.35 ± 4.43
cube term	1.534 ± 1.663

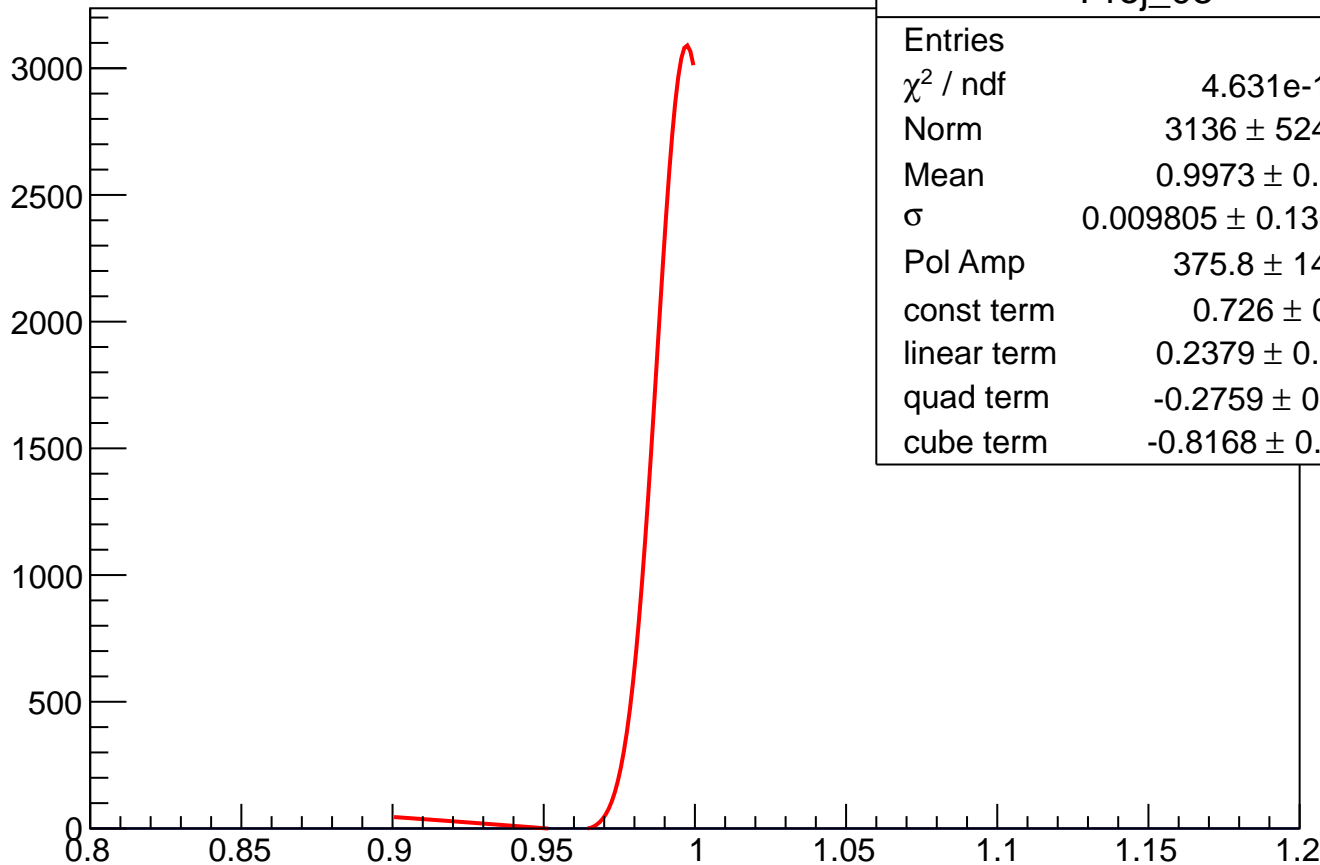
PhiThetaMassPip



Proj_04

Entries	4
χ^2 / ndf	40.08 / 0
Norm	138.7 ± 0.5
Mean	0.989 ± 0.093
σ	-19.11 ± 0.11
Pol Amp	1.001 ± 0.013
const term	-43.06 ± 0.39
linear term	-39.7 ± 0.3
quad term	-35.71 ± 0.24
cube term	-31.02 ± 0.16

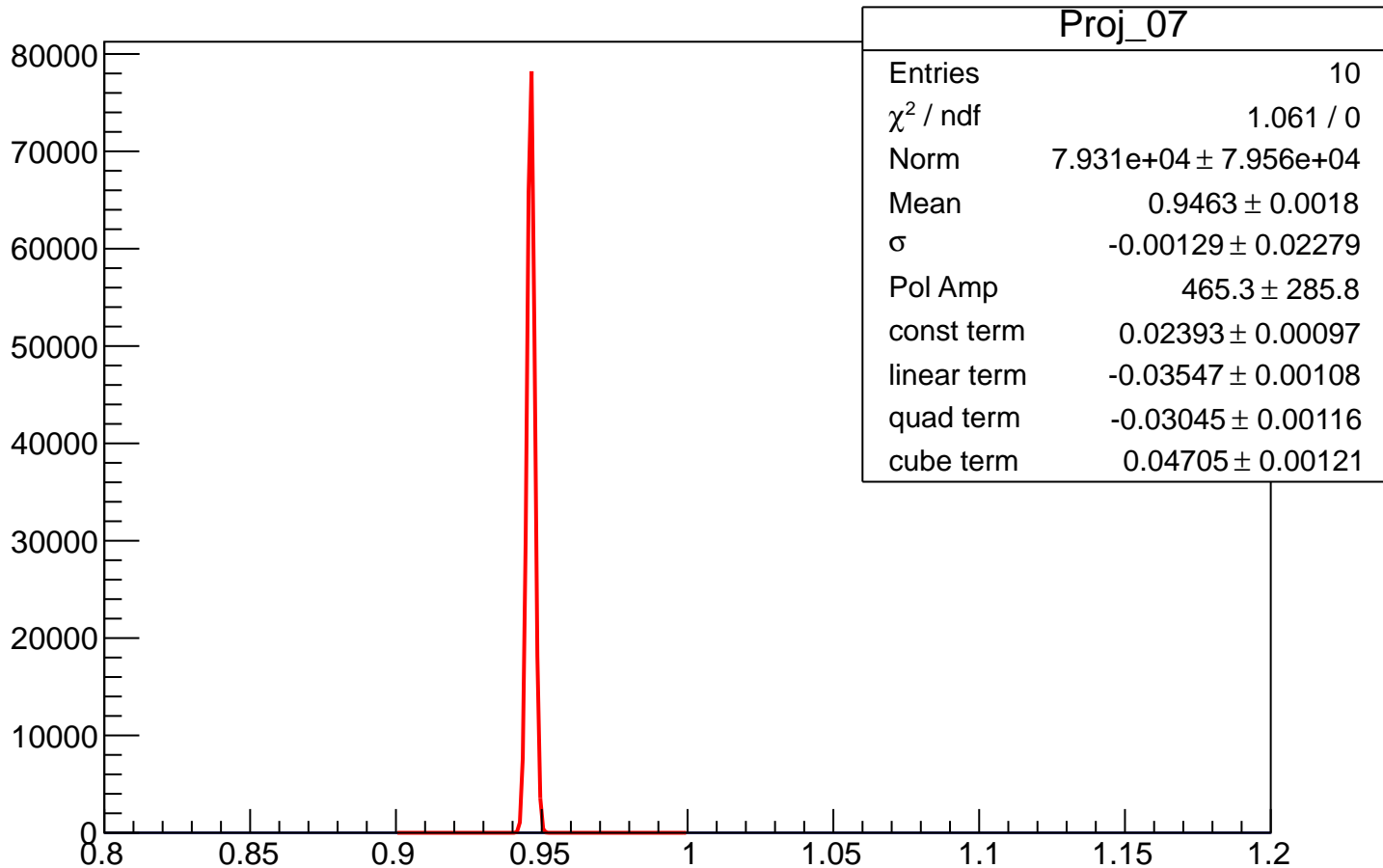
PhiThetaMassPip



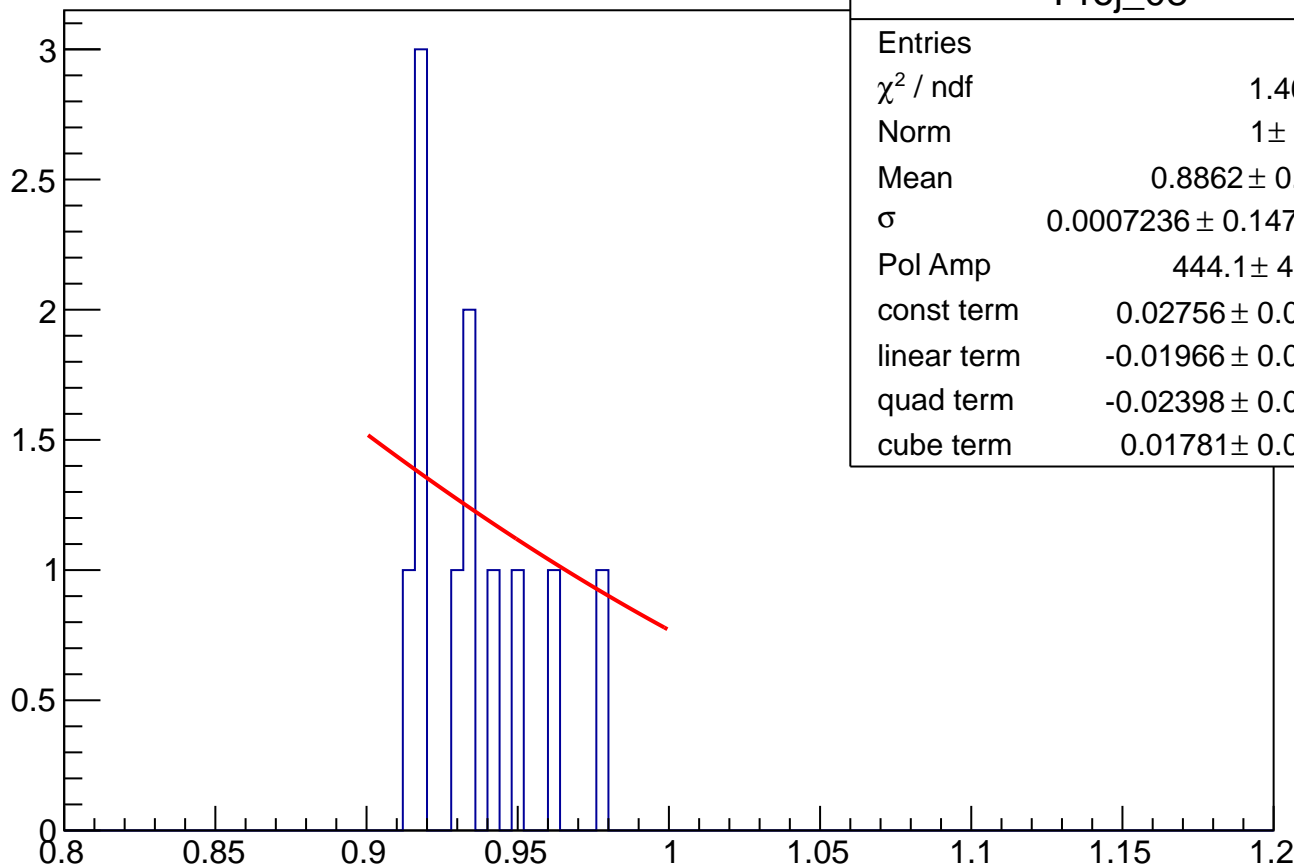
Proj_05

Entries	1
χ^2 / ndf	4.631e-14 / 0
Norm	3136 ± 52477.7
Mean	0.9973 ± 0.0930
σ	0.009805 ± 0.130084
Pol Amp	375.8 ± 1455.7
const term	0.726 ± 0.010
linear term	0.2379 ± 0.0106
quad term	-0.2759 ± 0.0111
cube term	-0.8168 ± 0.0117

PhiThetaMassPip



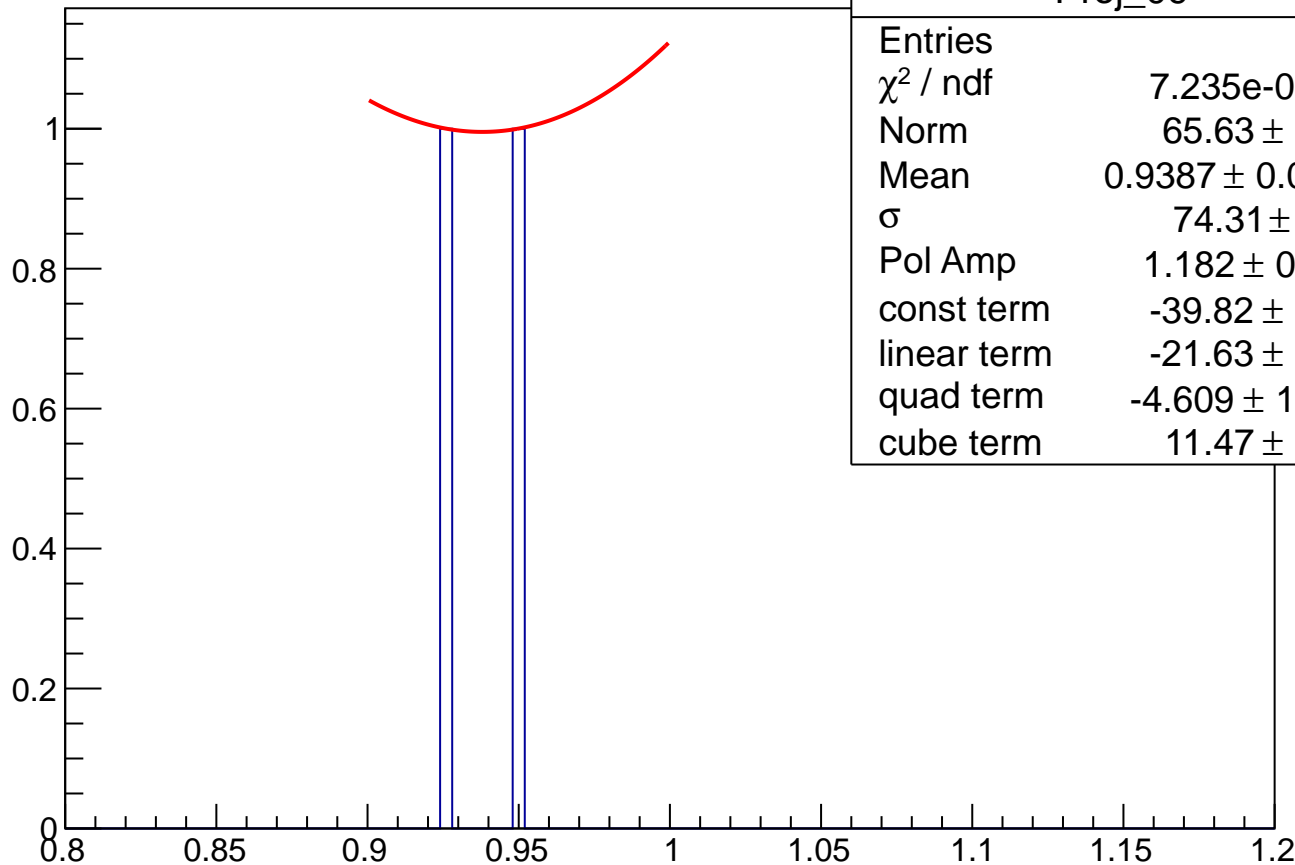
PhiThetaMassPip



Proj_08

Entries	11
χ^2 / ndf	1.464 / 0
Norm	1 ± 195.1
Mean	0.8862 ± 0.0692
σ	0.0007236 ± 0.1476140
Pol Amp	444.1 ± 4017.1
const term	0.02756 ± 0.02489
linear term	-0.01966 ± 0.02520
quad term	-0.02398 ± 0.01445
cube term	0.01781 ± 0.03660

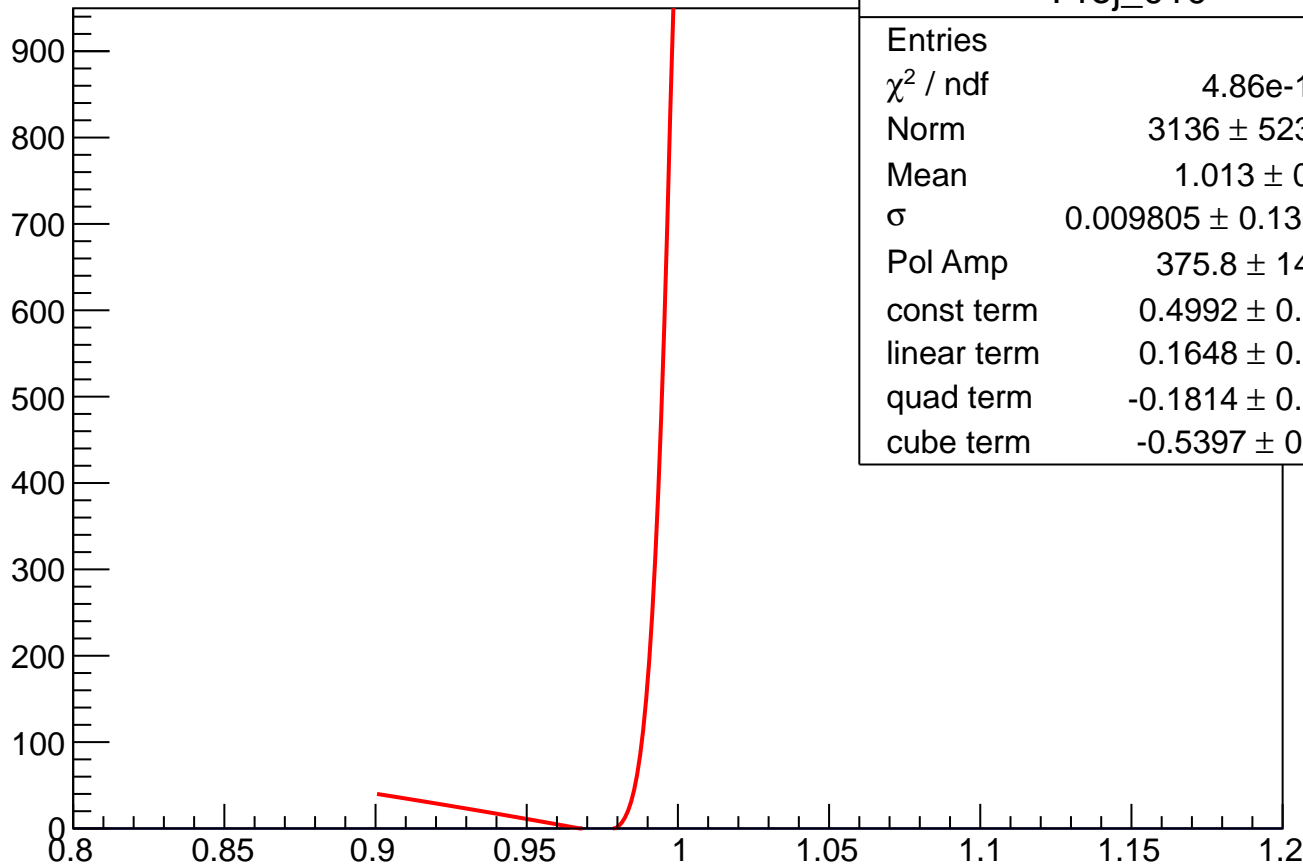
PhiThetaMassPip



Proj_09

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

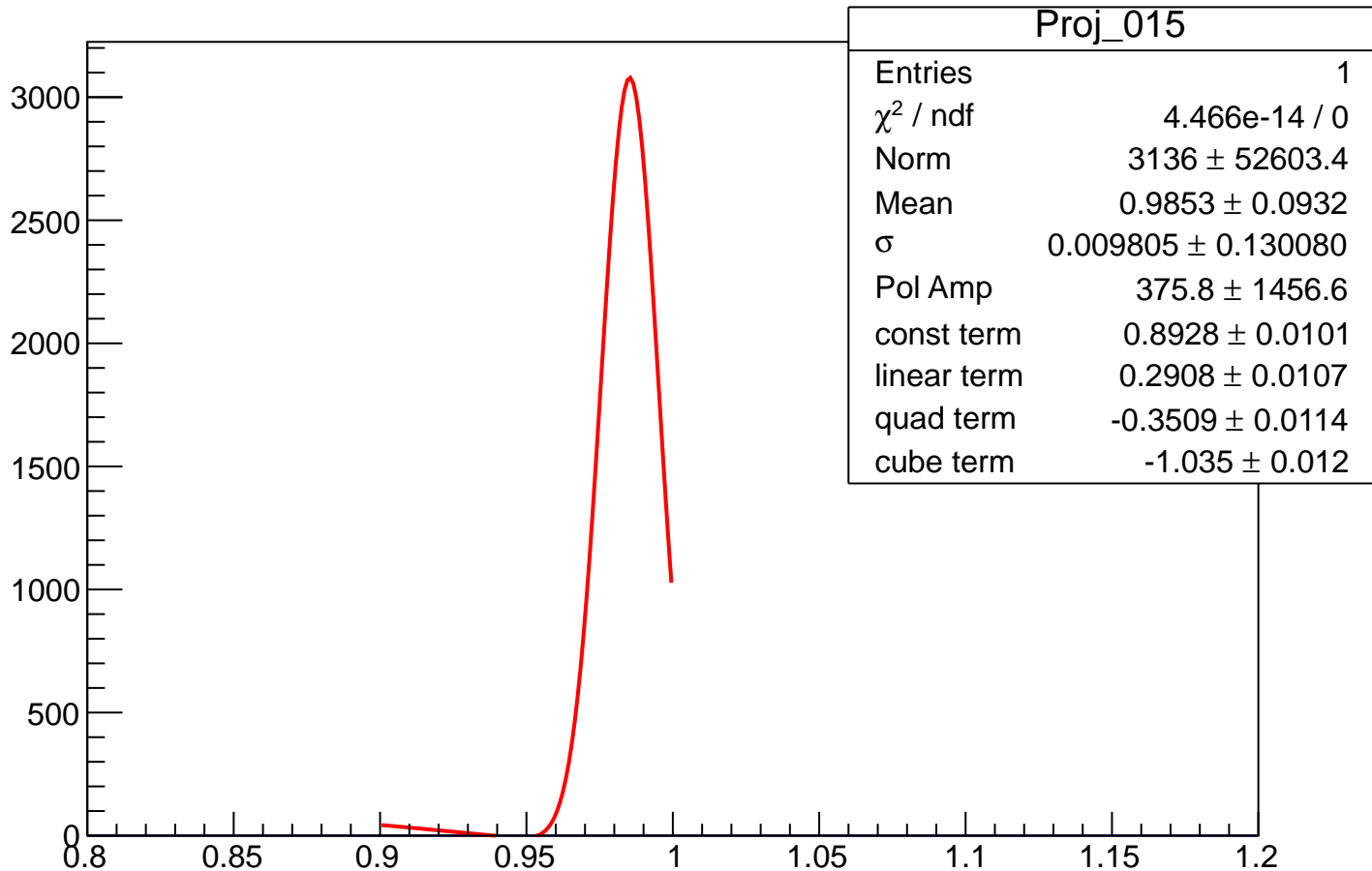
PhiThetaMassPip



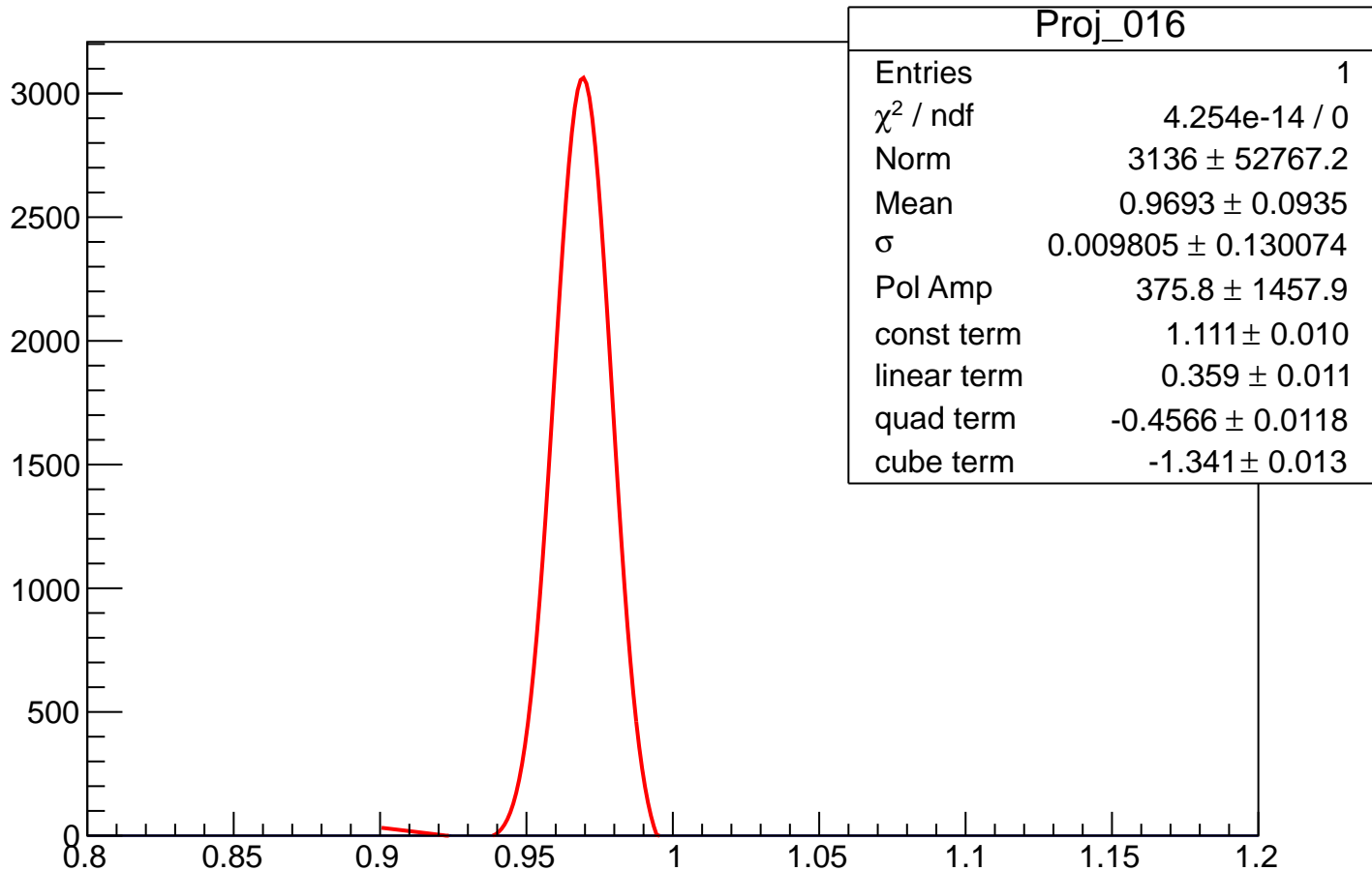
Proj_010

Entries	1
χ^2 / ndf	4.86e-14 / 0
Norm	3136 ± 52306.5
Mean	1.013 ± 0.093
σ	0.009805 ± 0.130089
Pol Amp	375.8 ± 1454.4
const term	0.4992 ± 0.0100
linear term	0.1648 ± 0.0104
quad term	-0.1814 ± 0.0108
cube term	-0.5397 ± 0.0111

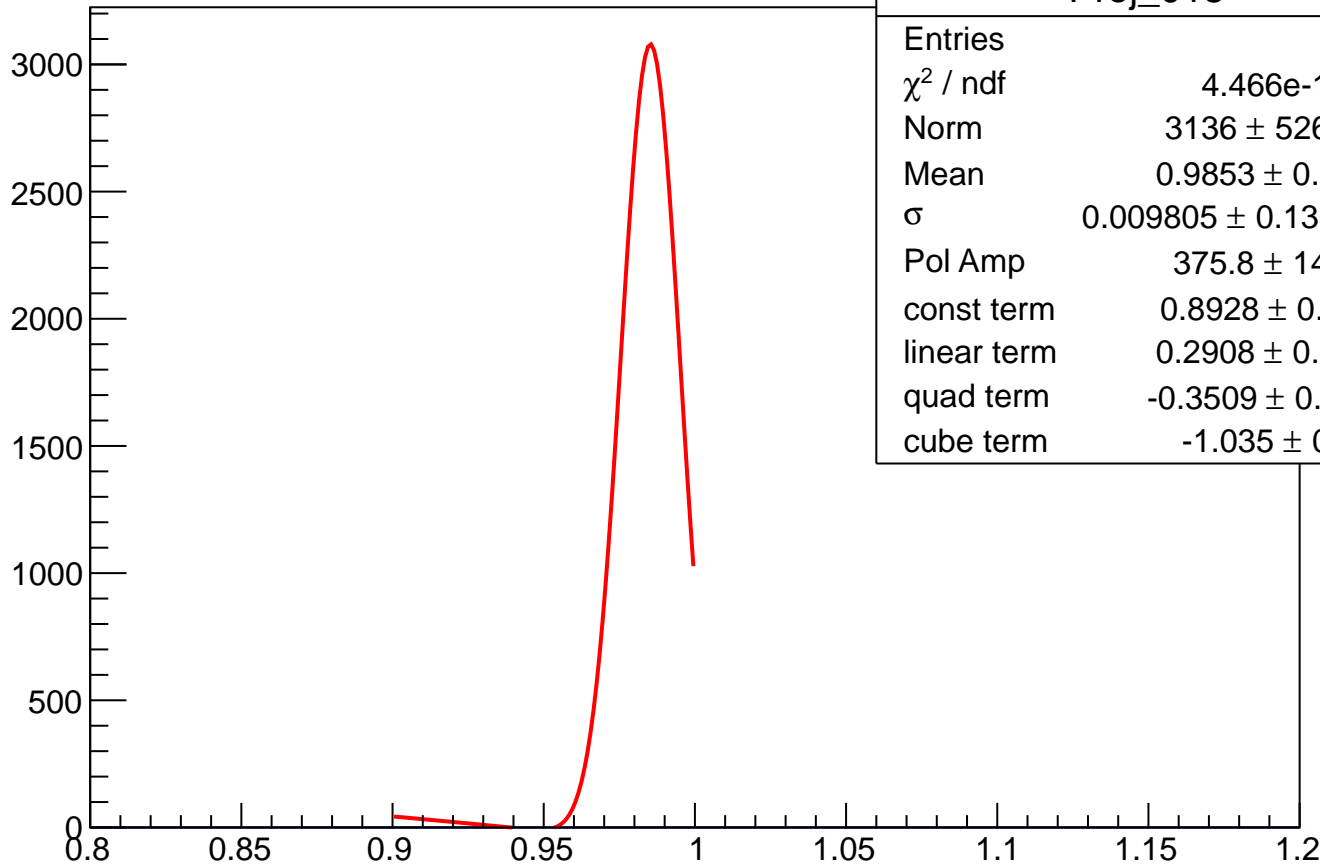
PhiThetaMassPip



PhiThetaMassPip



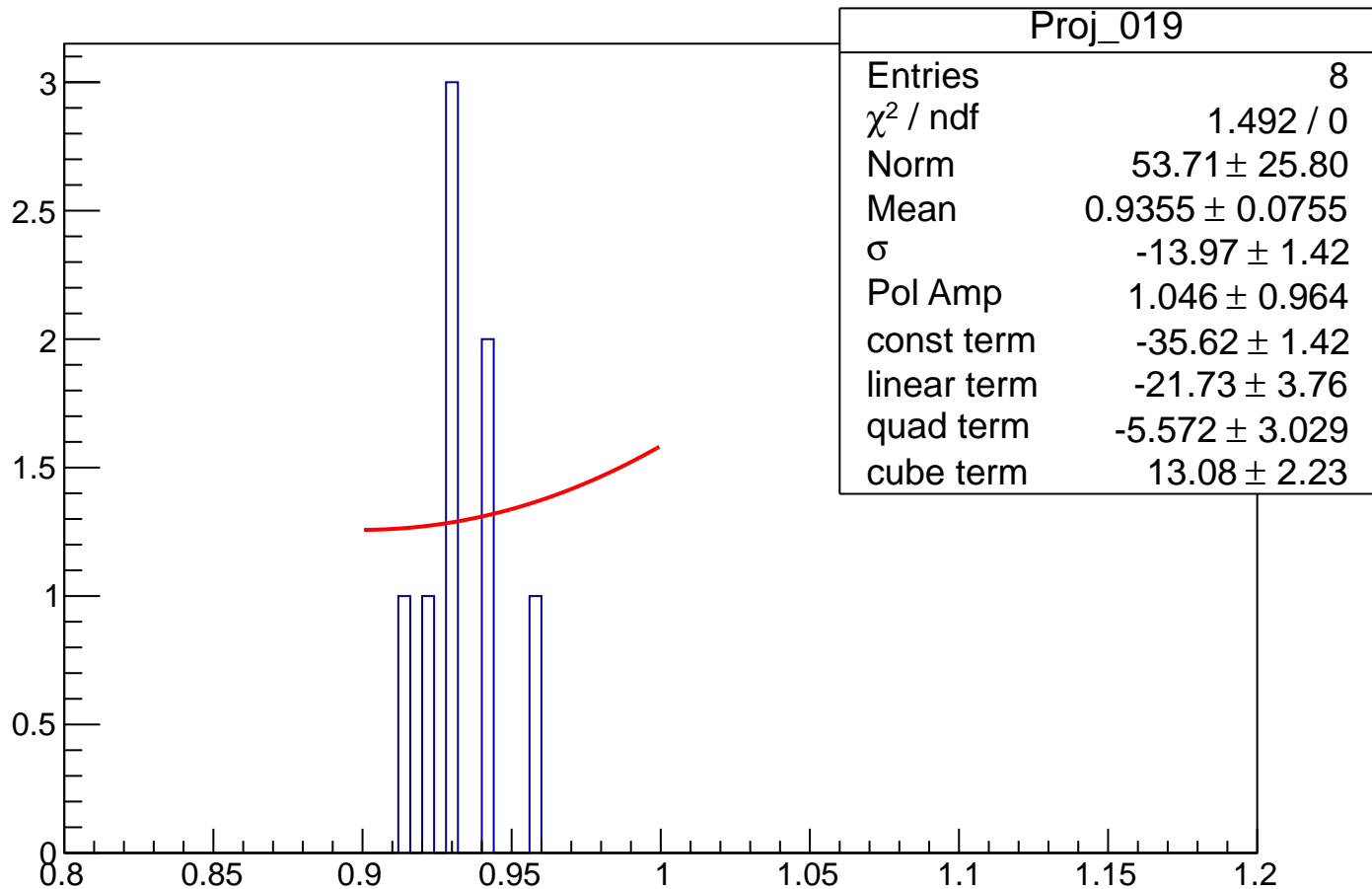
PhiThetaMassPip



Proj_018

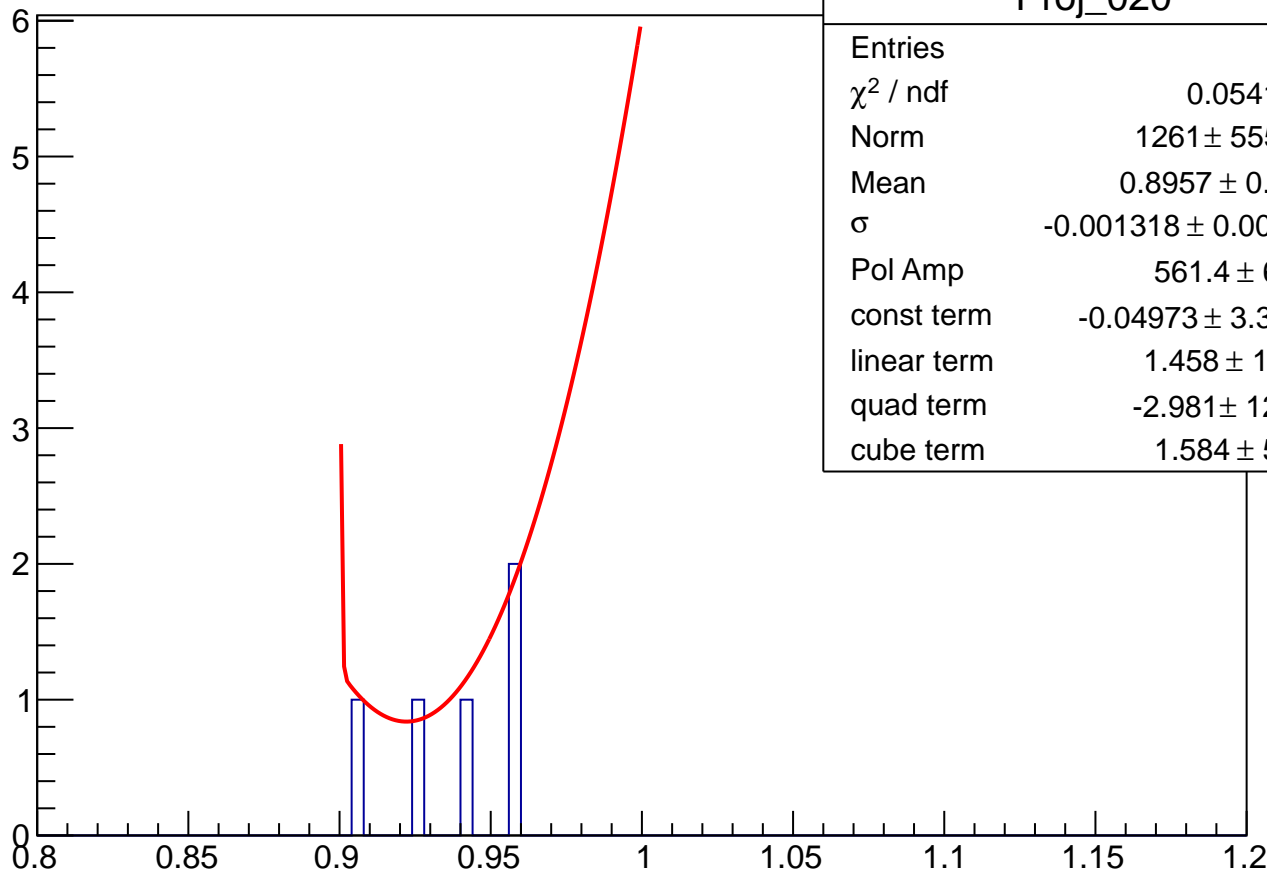
Entries	1
χ^2 / ndf	4.466e-14 / 0
Norm	3136 ± 52603.4
Mean	0.9853 ± 0.0932
σ	0.009805 ± 0.130080
Pol Amp	375.8 ± 1456.6
const term	0.8928 ± 0.0101
linear term	0.2908 ± 0.0107
quad term	-0.3509 ± 0.0114
cube term	-1.035 ± 0.012

PhiThetaMassPip



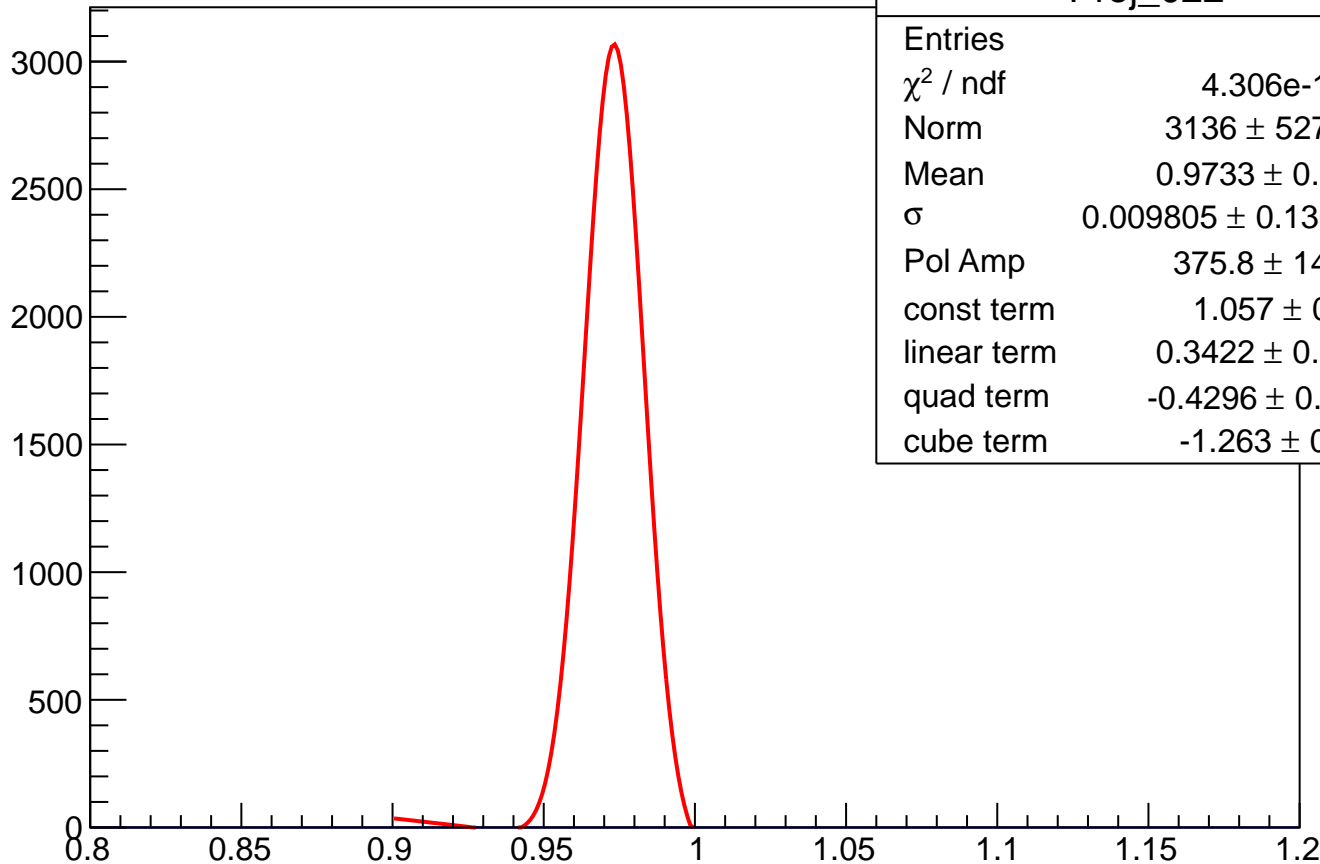
PhiThetaMassPip

Proj_020

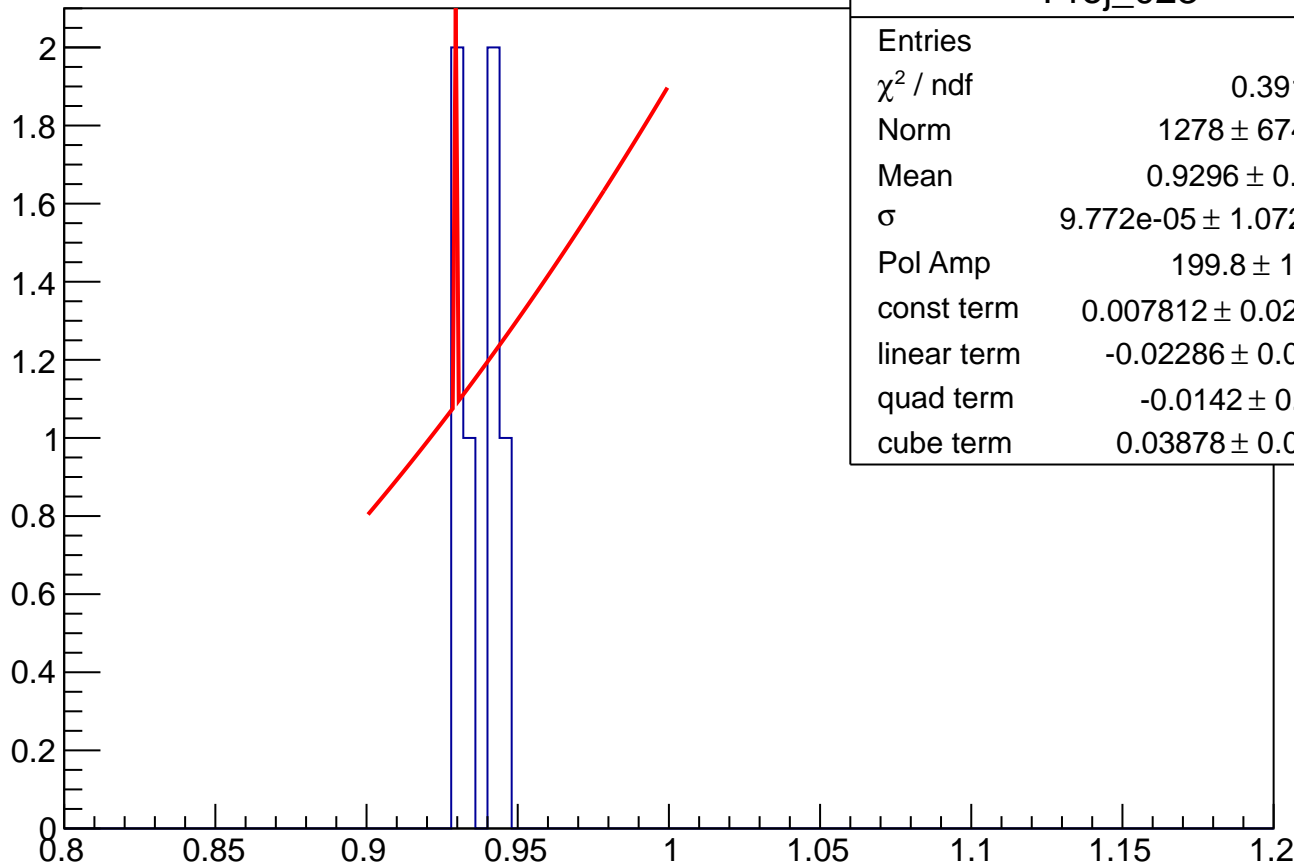


Entries	5
χ^2 / ndf	0.05418 / 0
Norm	1261 ± 55535.7
Mean	0.8957 ± 0.0040
σ	-0.001318 ± 0.000069
Pol Amp	561.4 ± 605.6
const term	-0.04973 ± 3.37053
linear term	1.458 ± 11.001
quad term	-2.981 ± 12.730
cube term	1.584 ± 5.107

PhiThetaMassPip



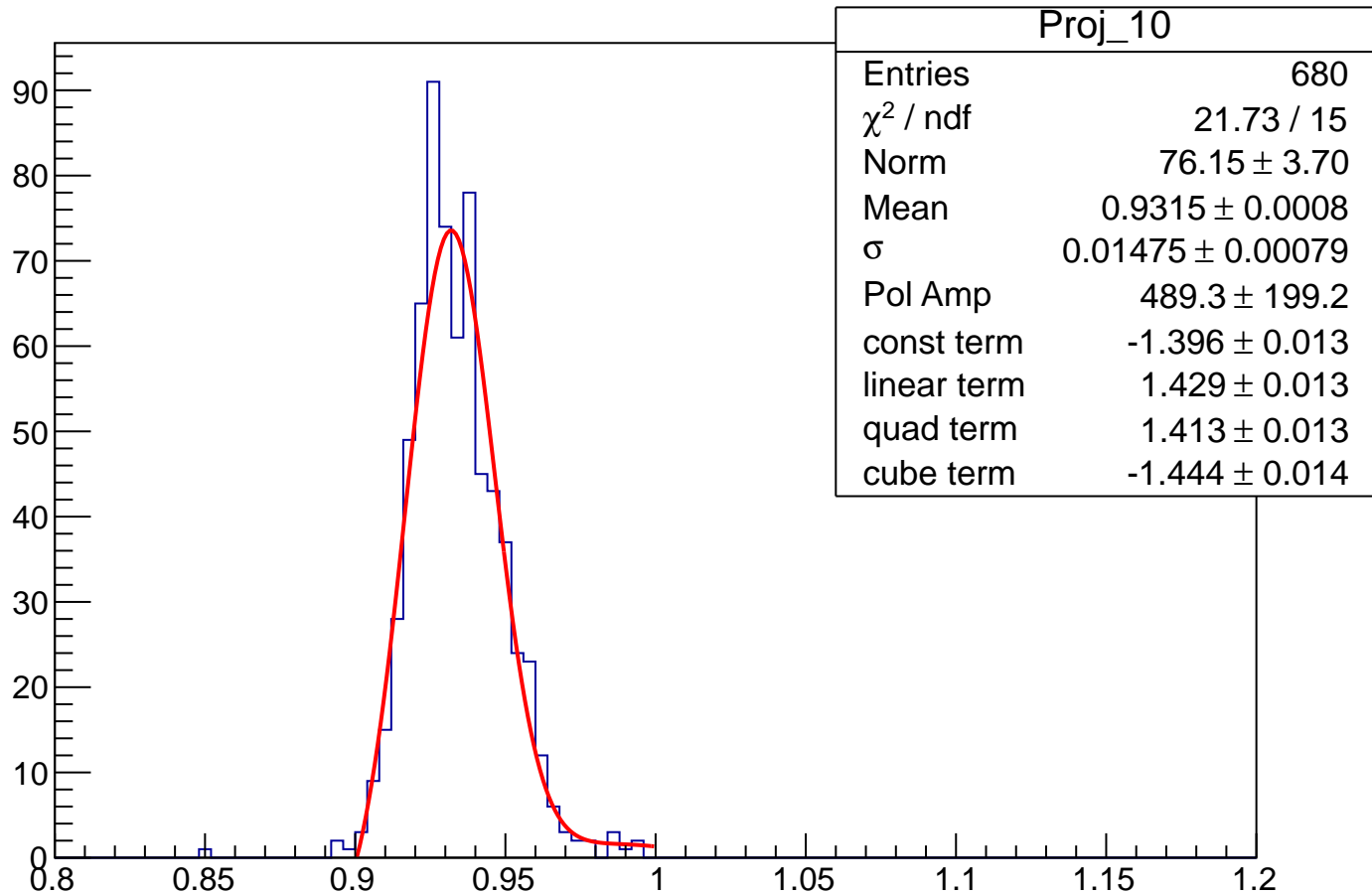
PhiThetaMassPip



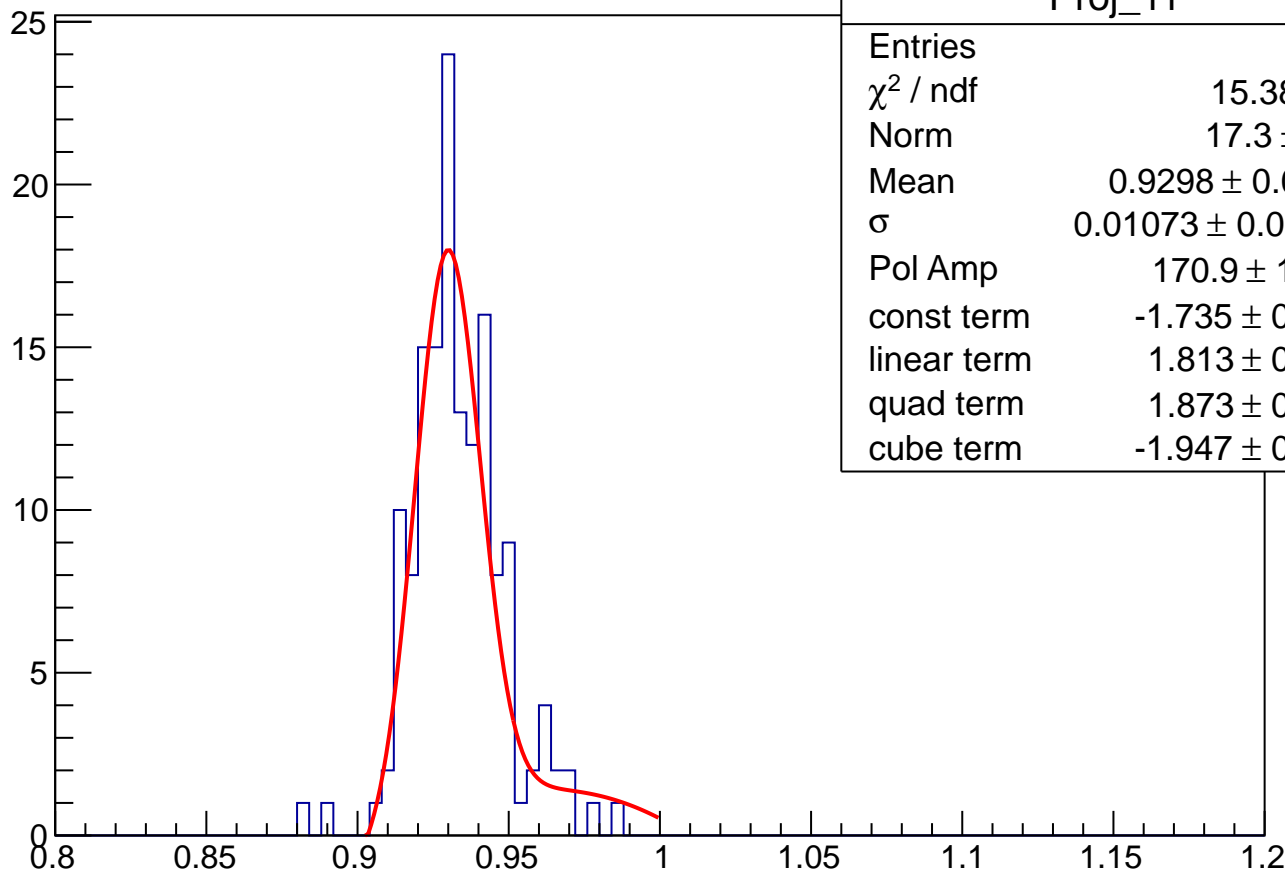
Proj_023

Entries	6
χ^2 / ndf	0.3918 / 0
Norm	1278 ± 67469.8
Mean	0.9296 ± 0.0004
σ	$9.772\text{e-}05 \pm 1.072\text{e-}04$
Pol Amp	199.8 ± 1116.7
const term	0.007812 ± 0.027968
linear term	-0.02286 ± 0.03005
quad term	-0.0142 ± 0.0322
cube term	0.03878 ± 0.03433

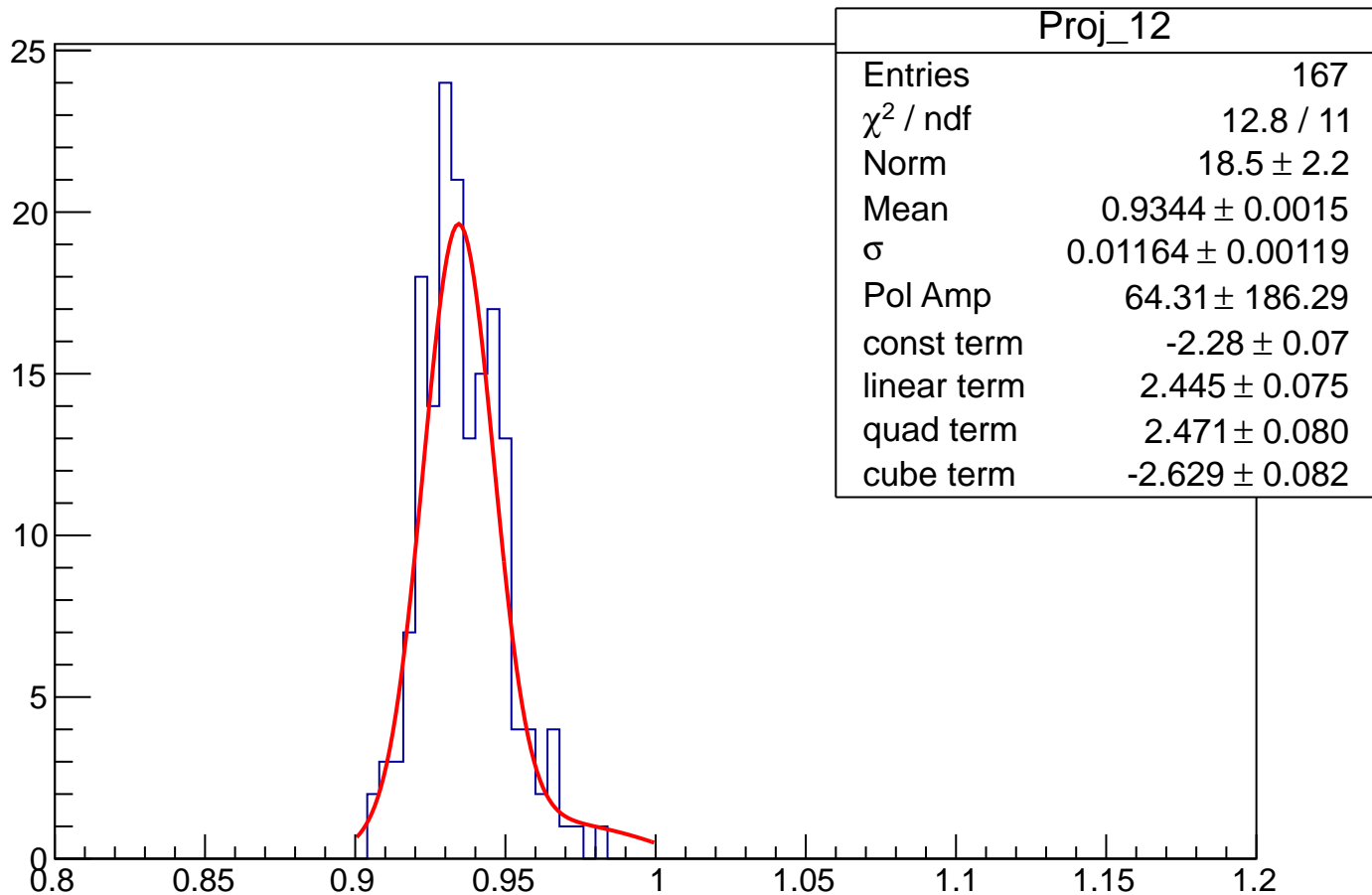
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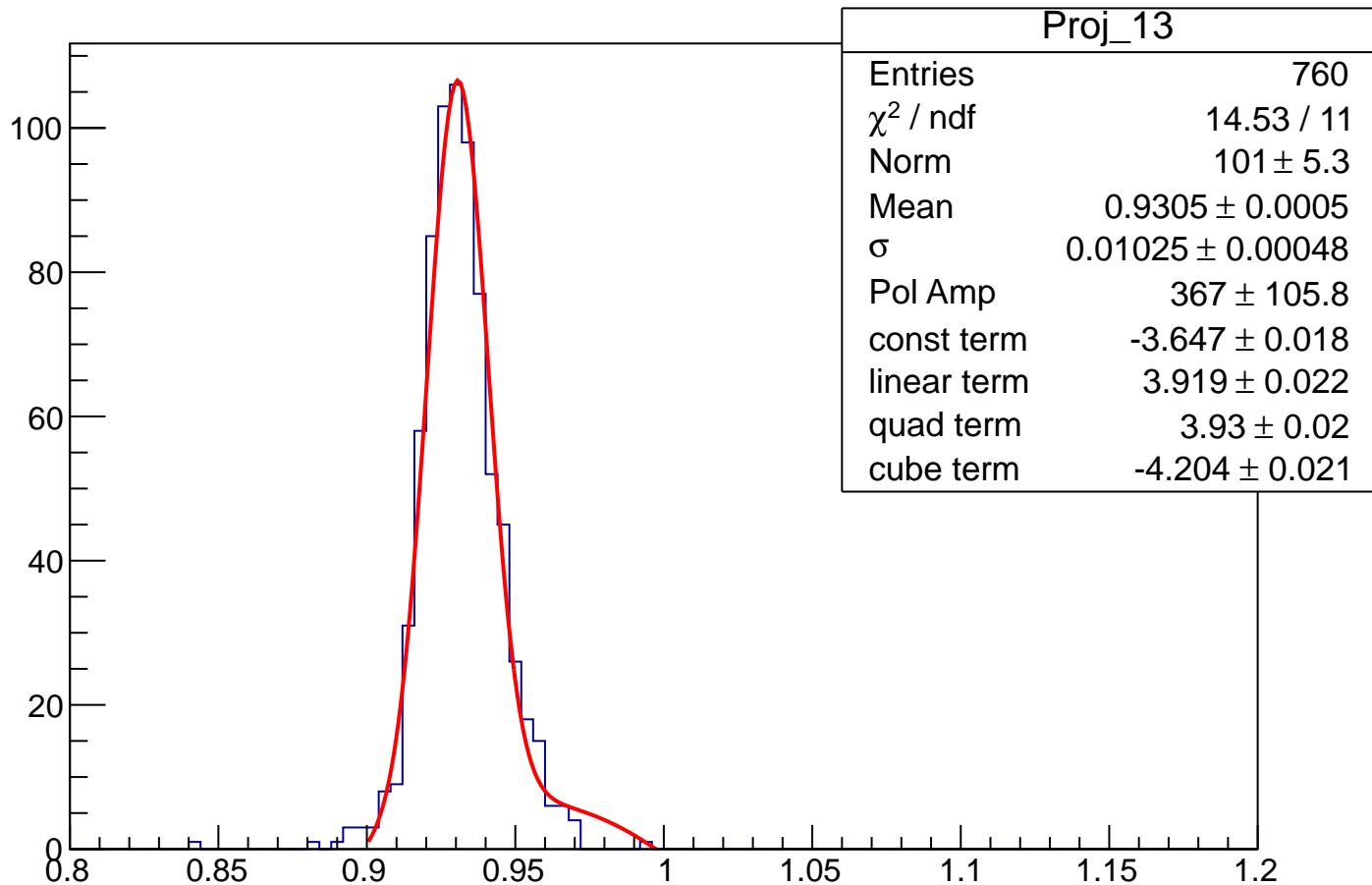
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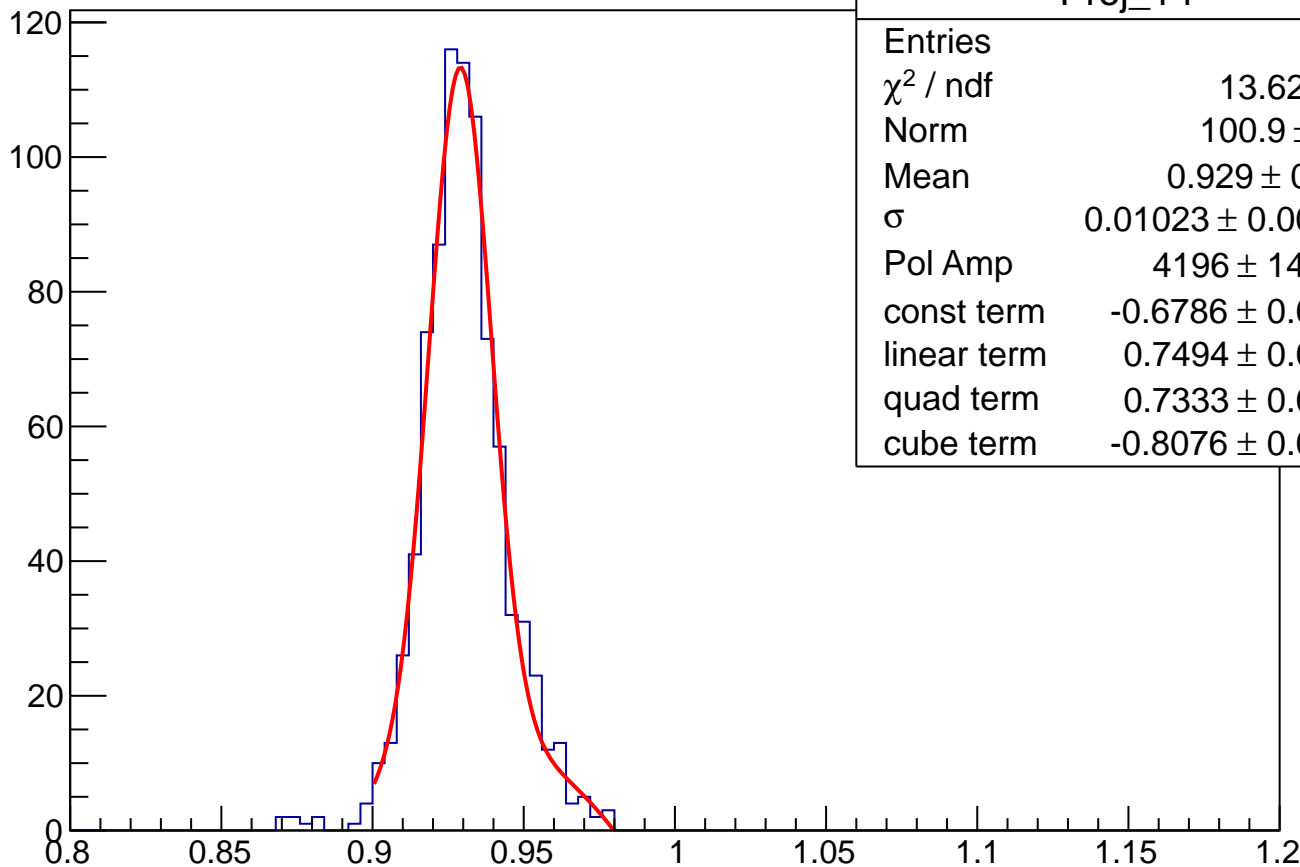
PhiThetaMassPip



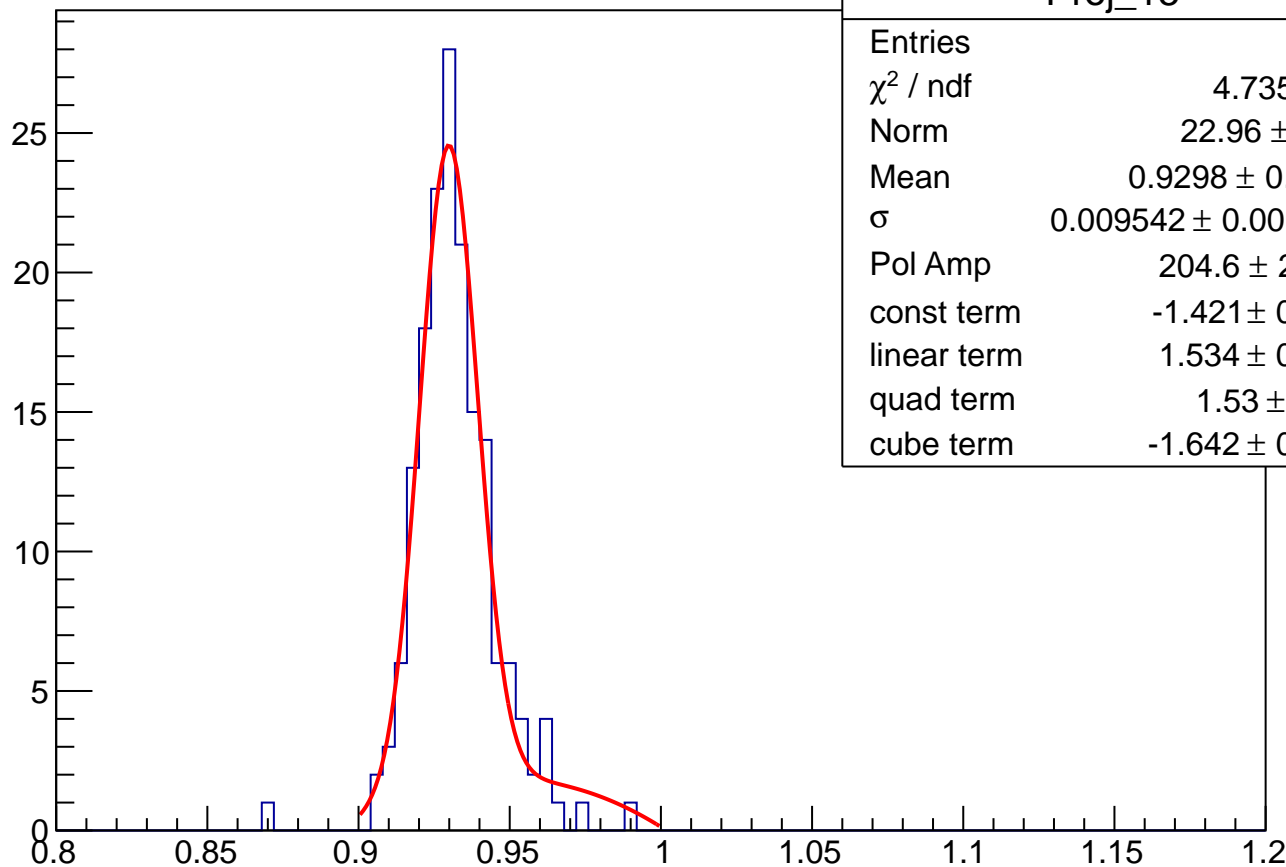
PhiThetaMassPip



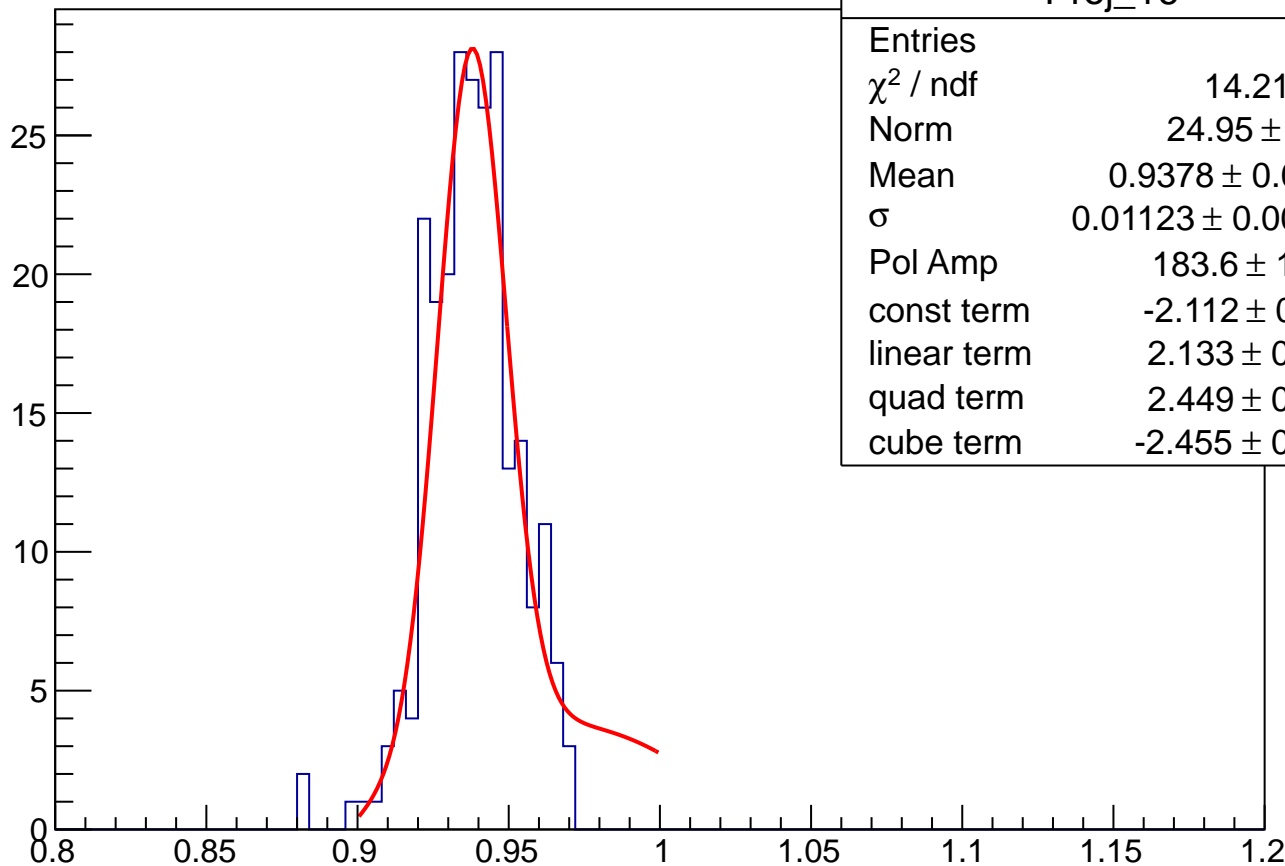
PhiThetaMassPip



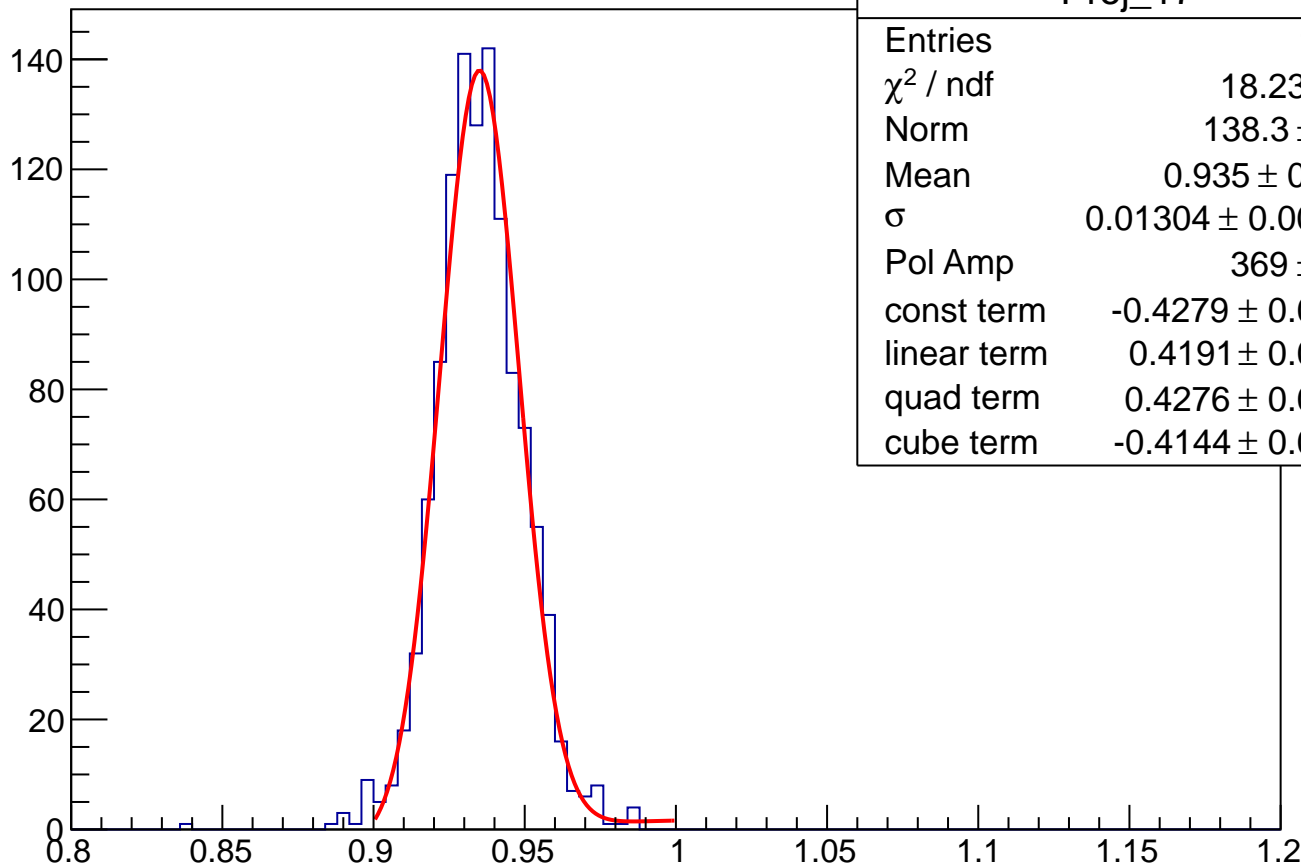
PhiThetaMassPip



PhiThetaMassPip



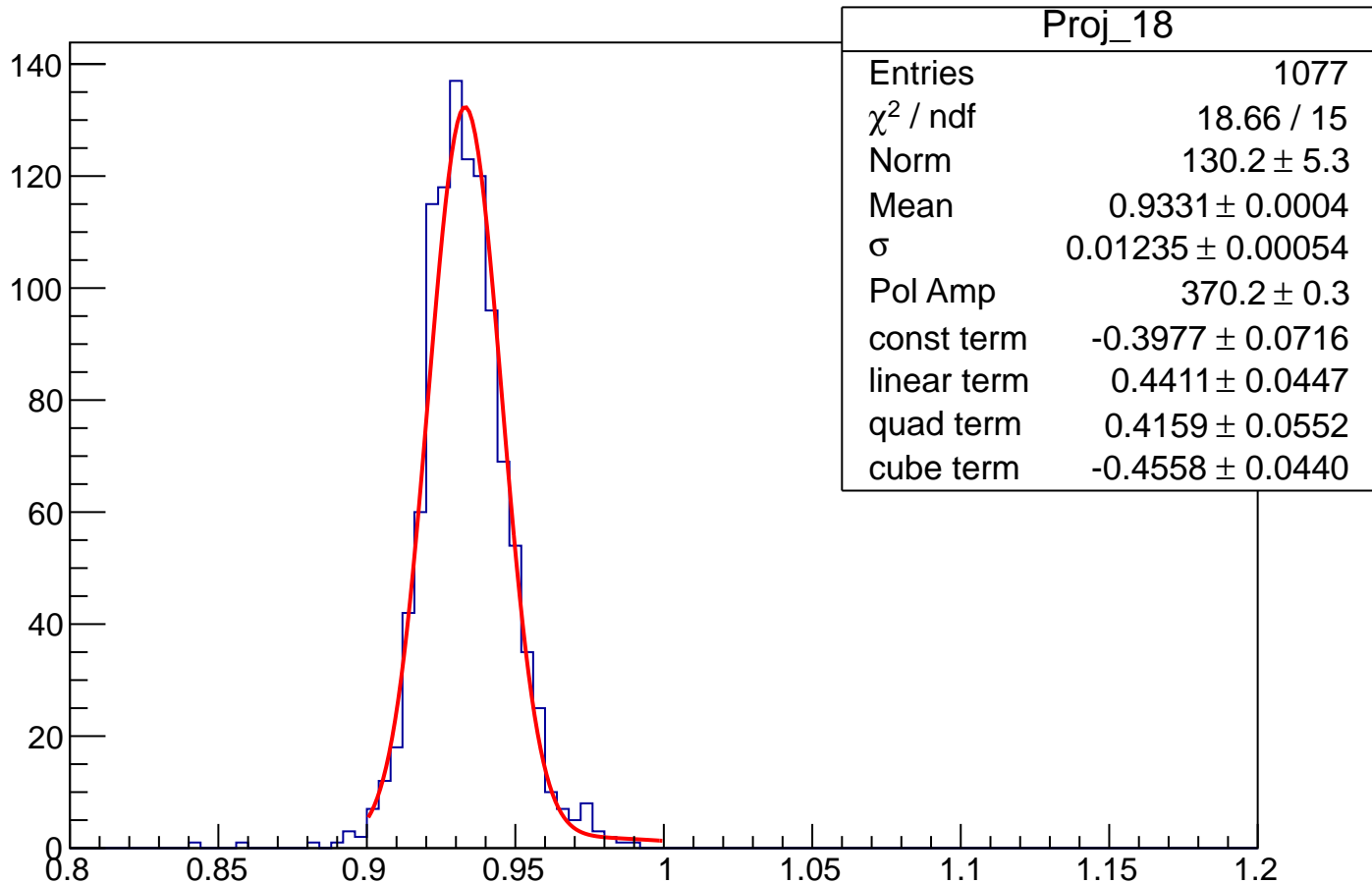
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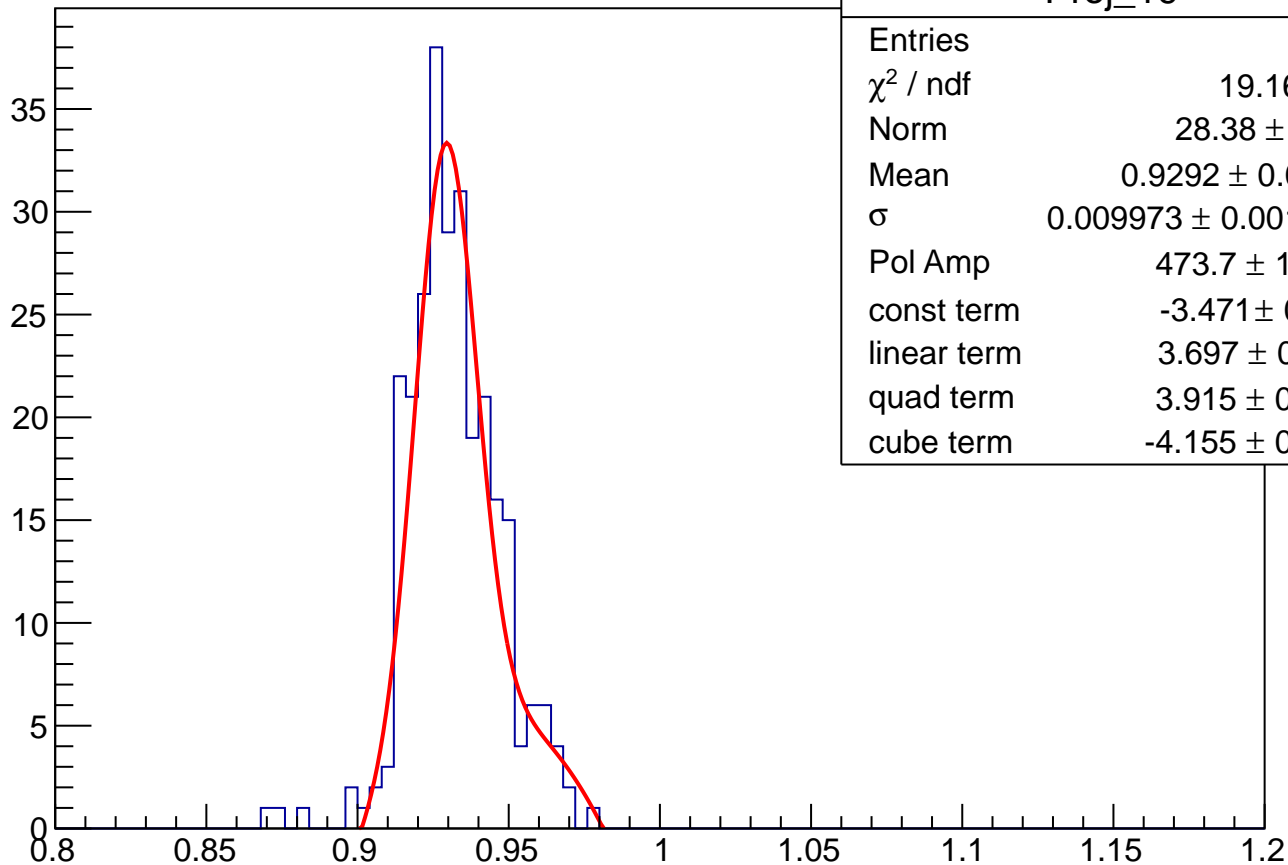
Proj_17

Entries	1157
χ^2 / ndf	18.23 / 14
Norm	138.3 ± 5.2
Mean	0.935 ± 0.000
σ	0.01304 ± 0.00048
Pol Amp	369 ± 0.3
const term	-0.4279 ± 0.0627
linear term	0.4191 ± 0.0336
quad term	0.4276 ± 0.0465
cube term	-0.4144 ± 0.0323

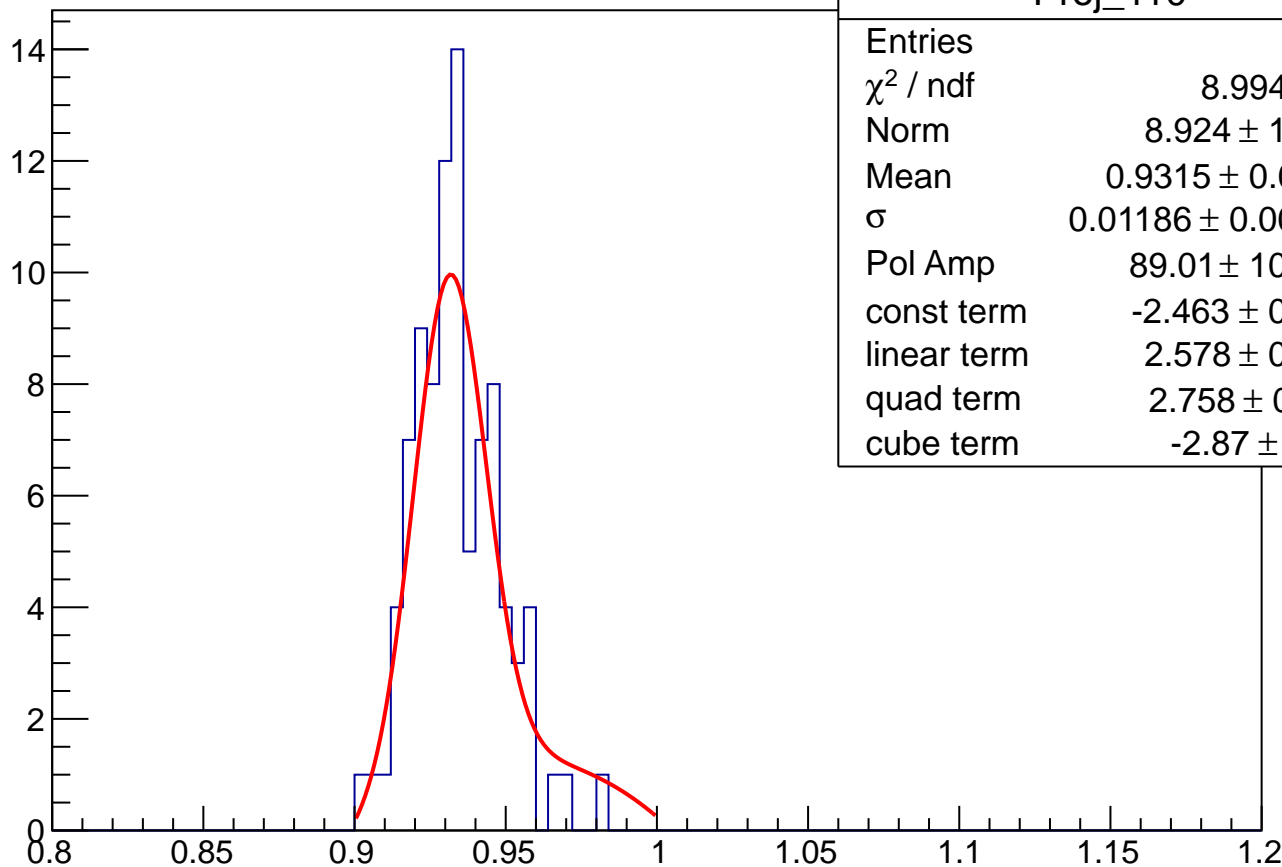
PhiThetaMassPip



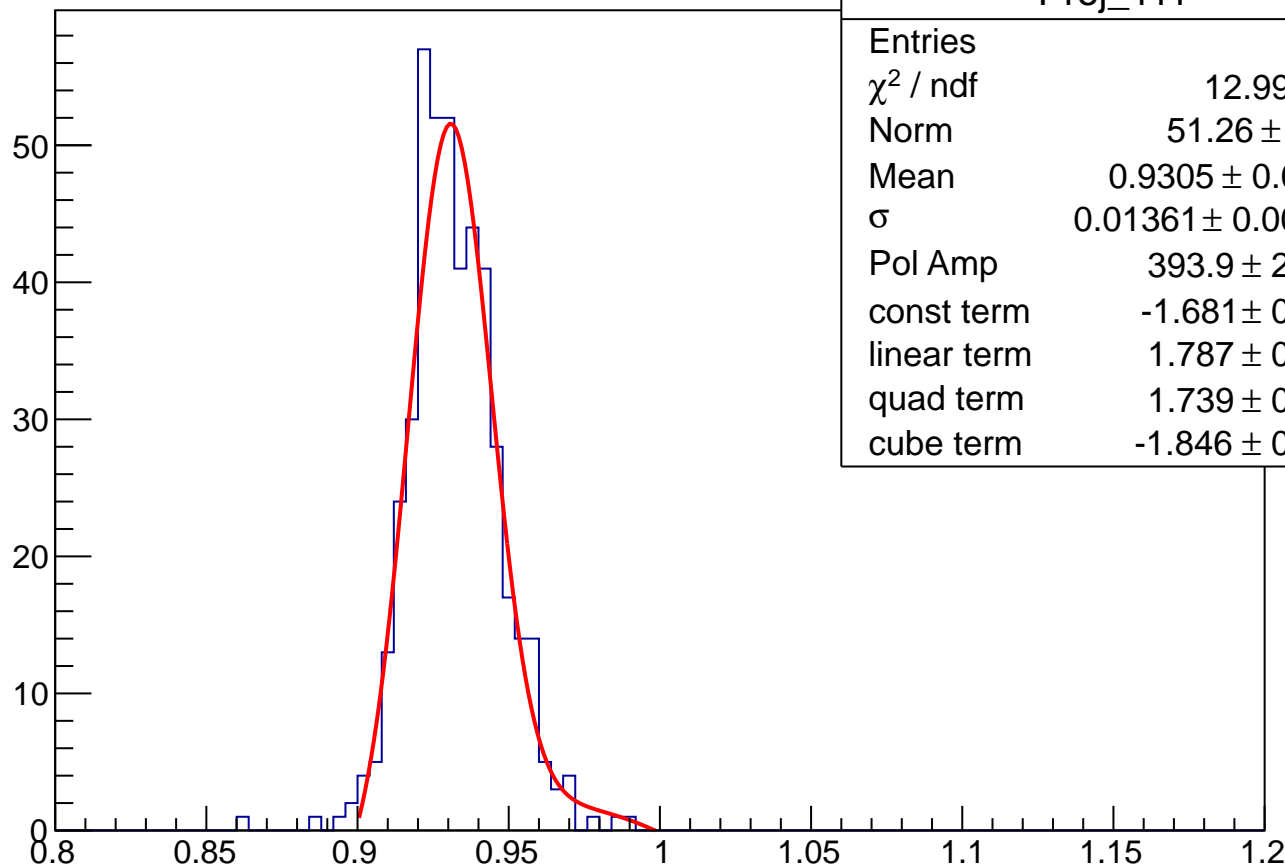
PhiThetaMassPip



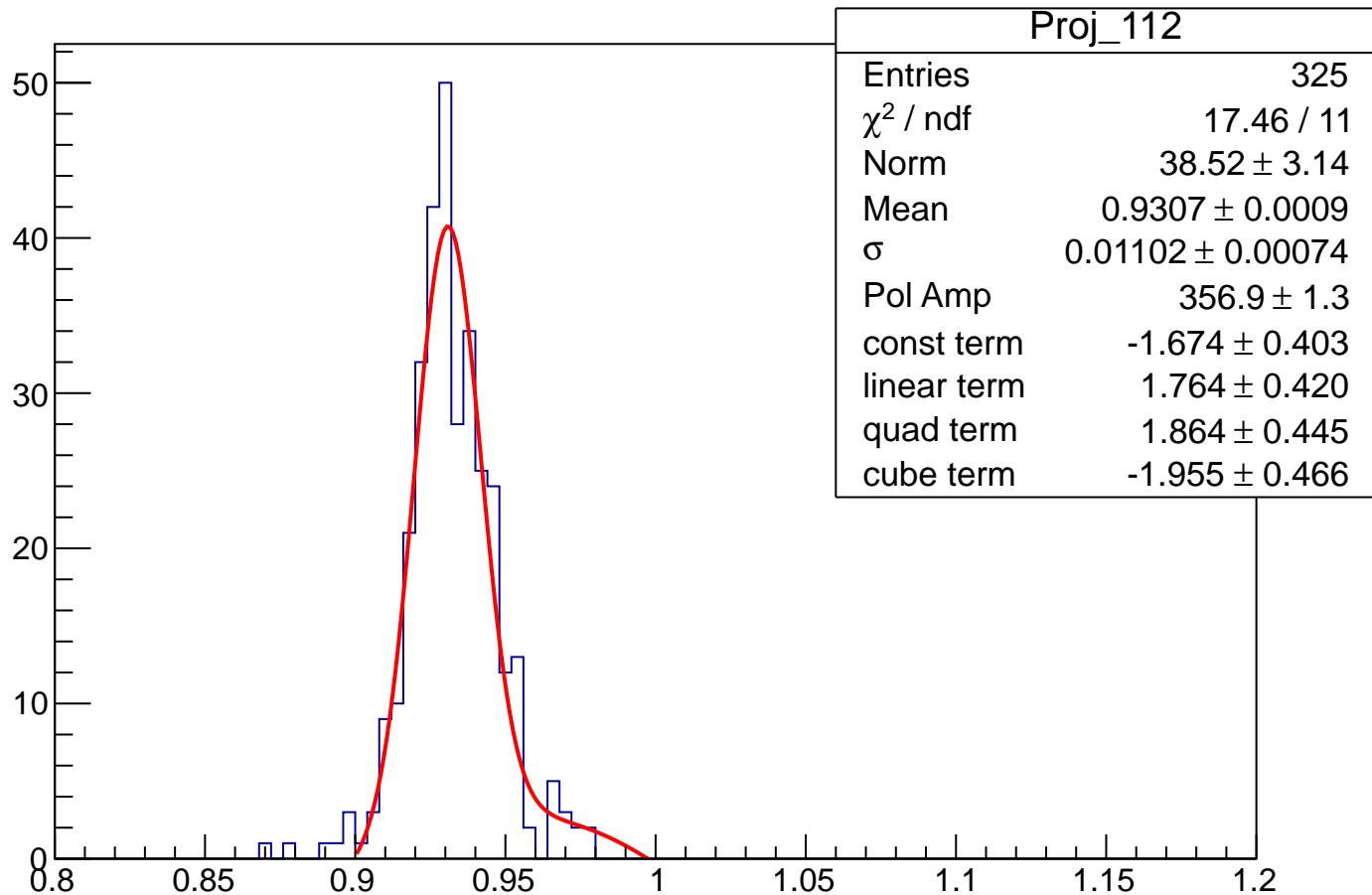
PhiThetaMassPip



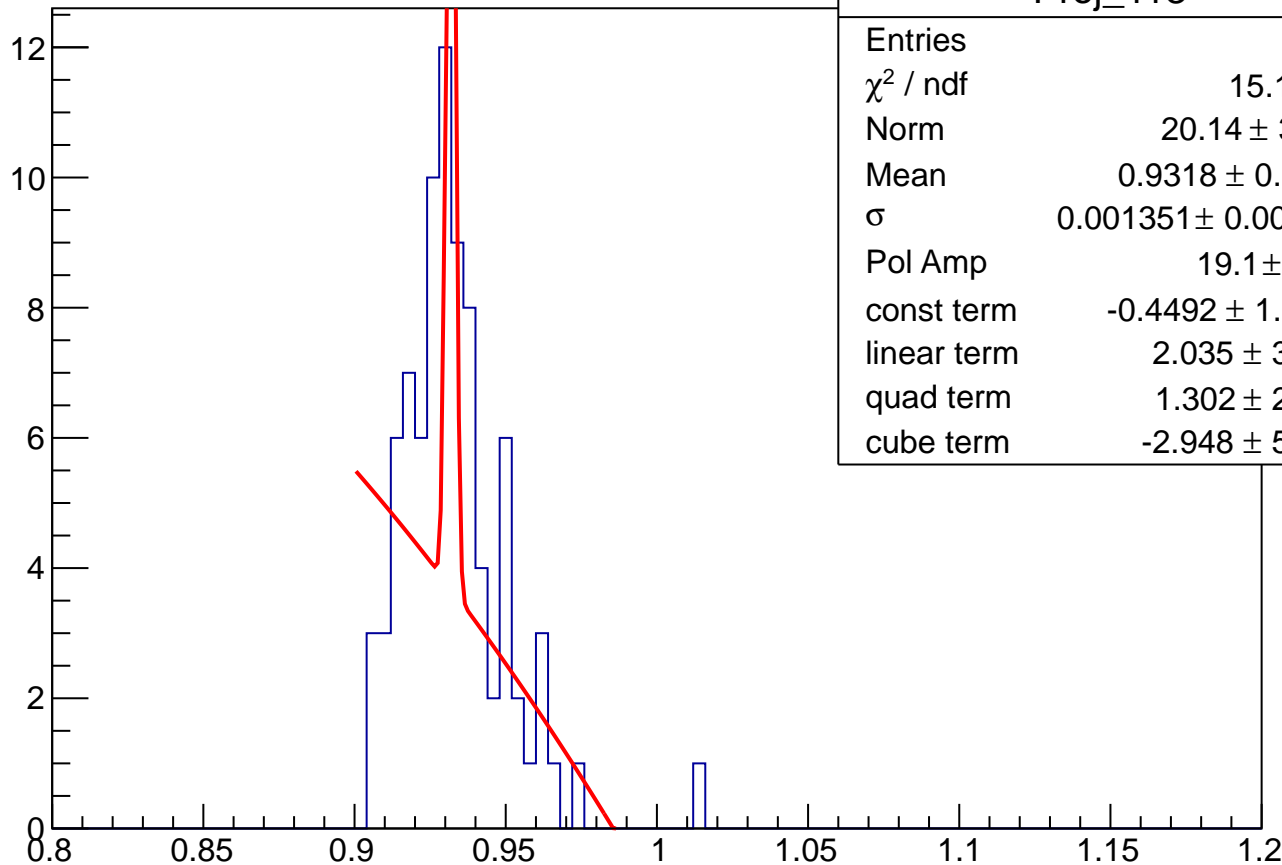
PhiThetaMassPip



PhiThetaMassPip



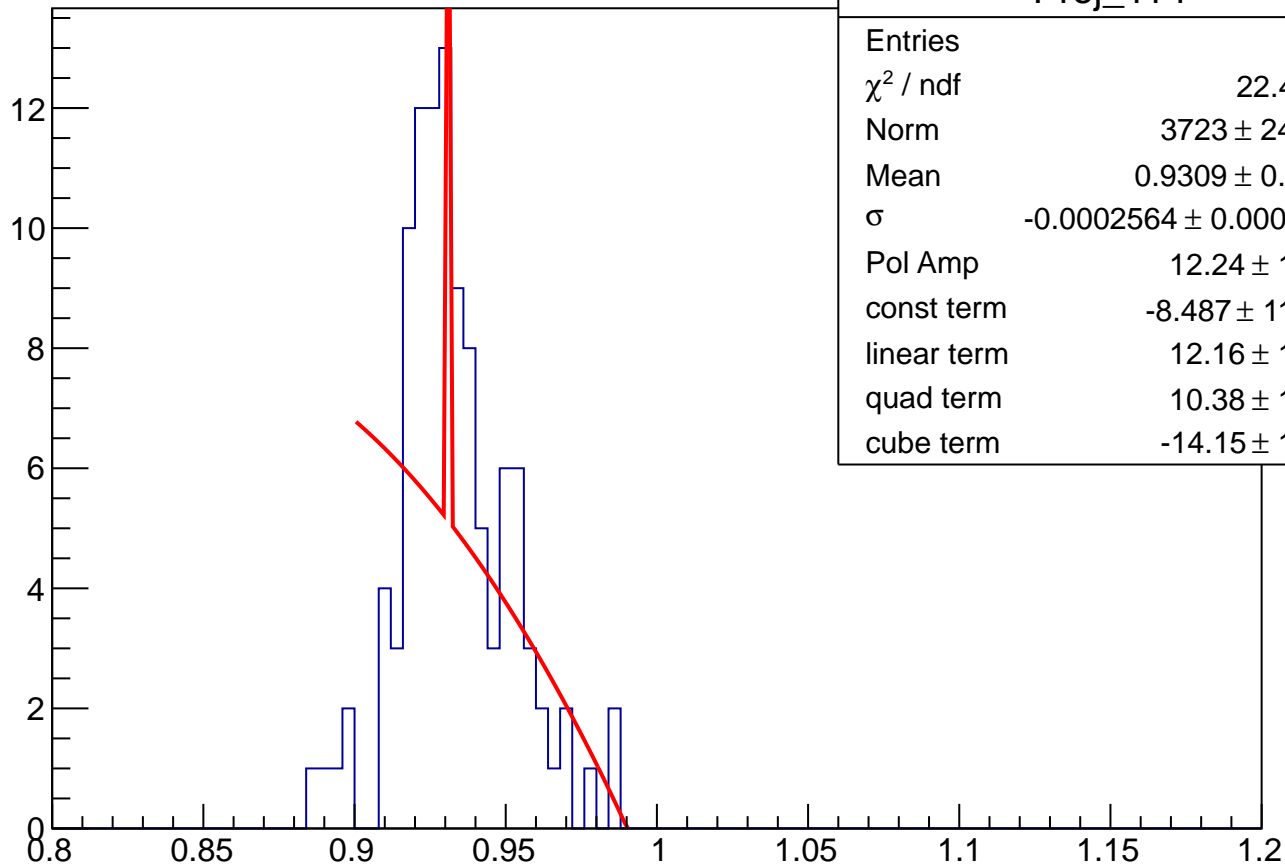
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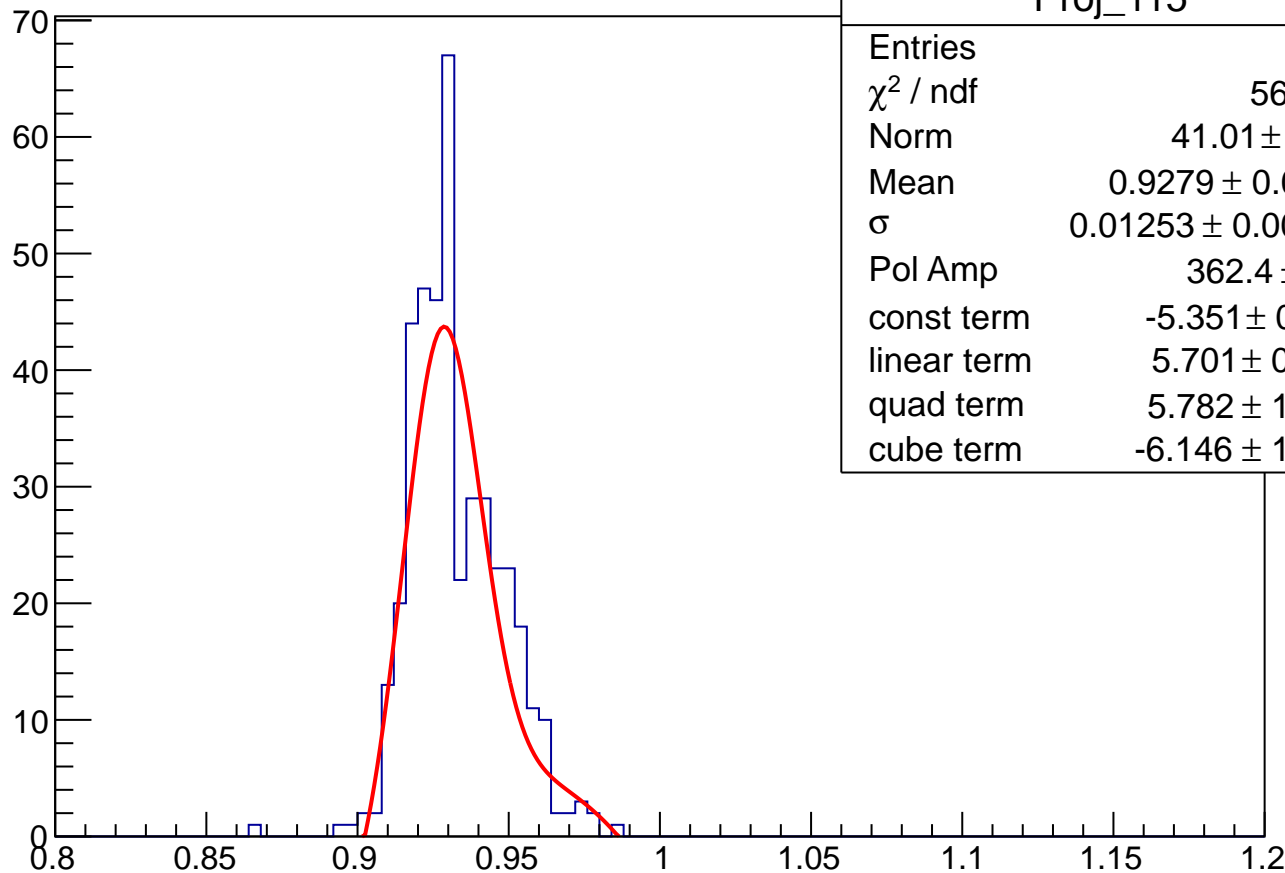
Proj_113

Entries	85
χ^2 / ndf	15.15 / 9
Norm	20.14 ± 31.41
Mean	0.9318 ± 0.0003
σ	0.001351 ± 0.000821
Pol Amp	19.1 ± 36.5
const term	-0.4492 ± 1.0452
linear term	2.035 ± 3.959
quad term	1.302 ± 2.617
cube term	-2.948 ± 5.658

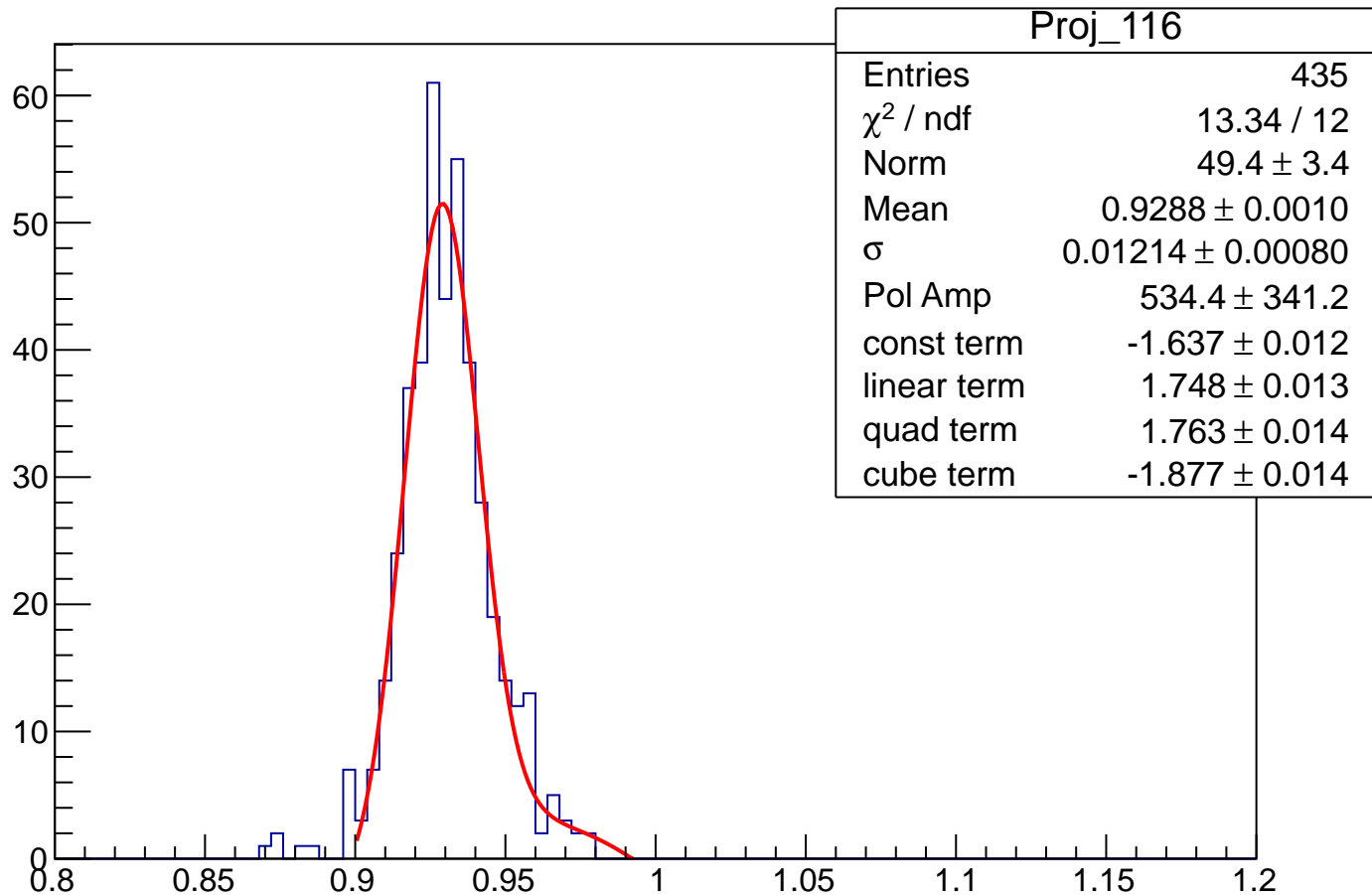
PhiThetaMassPip



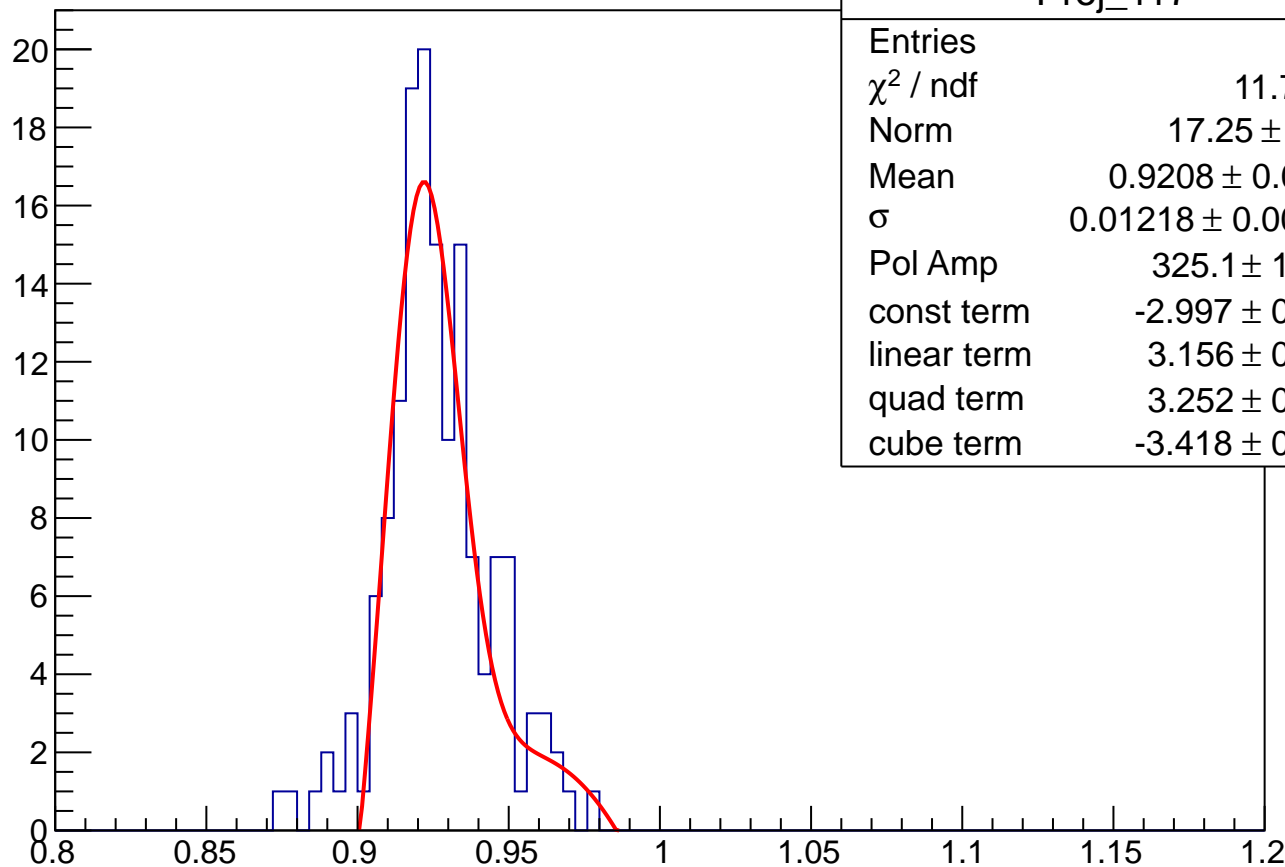
PhiThetaMassPip



PhiThetaMassPip



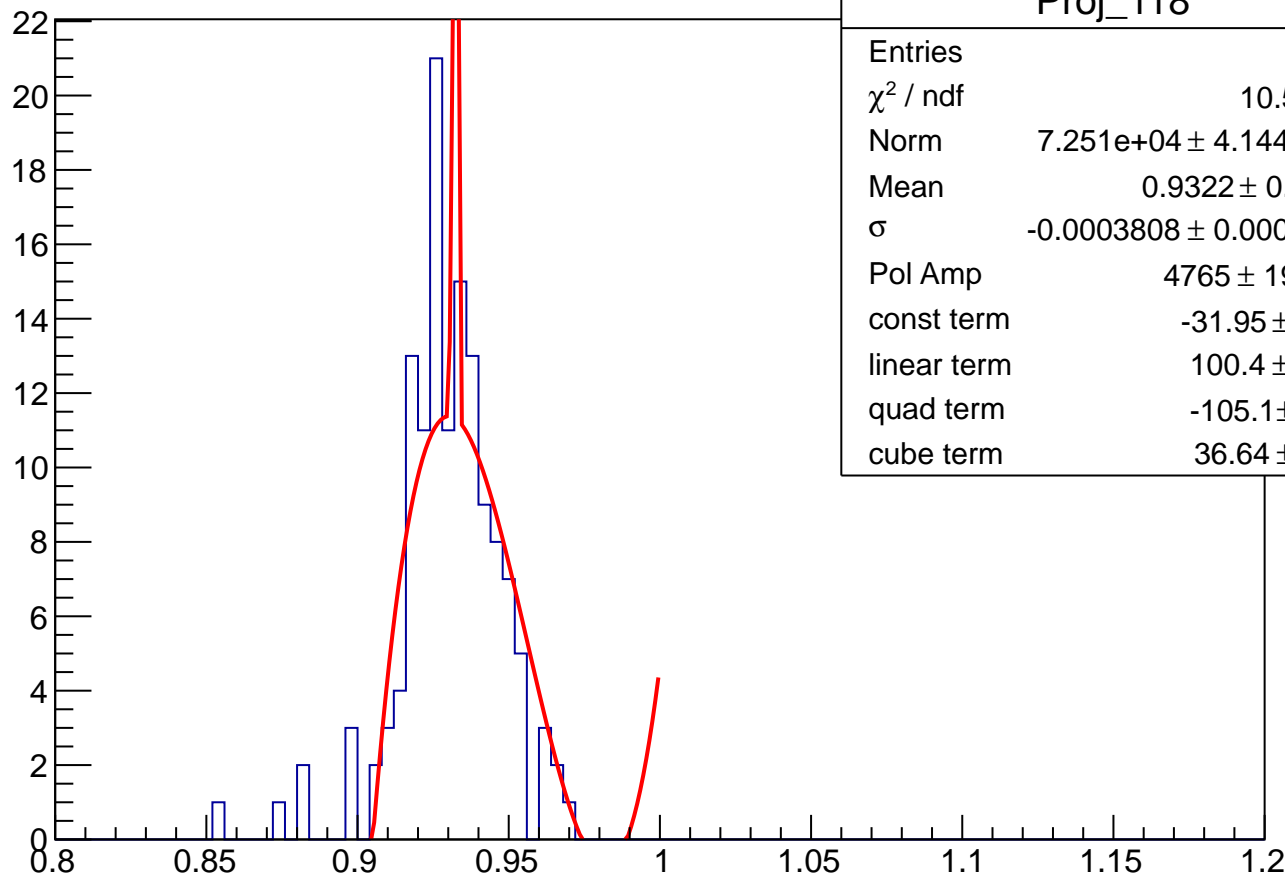
PhiThetaMassPip



Proj_117

Entries	150
χ^2 / ndf	11.7 / 11
Norm	17.25 ± 2.28
Mean	0.9208 ± 0.0023
σ	0.01218 ± 0.00179
Pol Amp	325.1 ± 189.6
const term	-2.997 ± 0.015
linear term	3.156 ± 0.016
quad term	3.252 ± 0.016
cube term	-3.418 ± 0.017

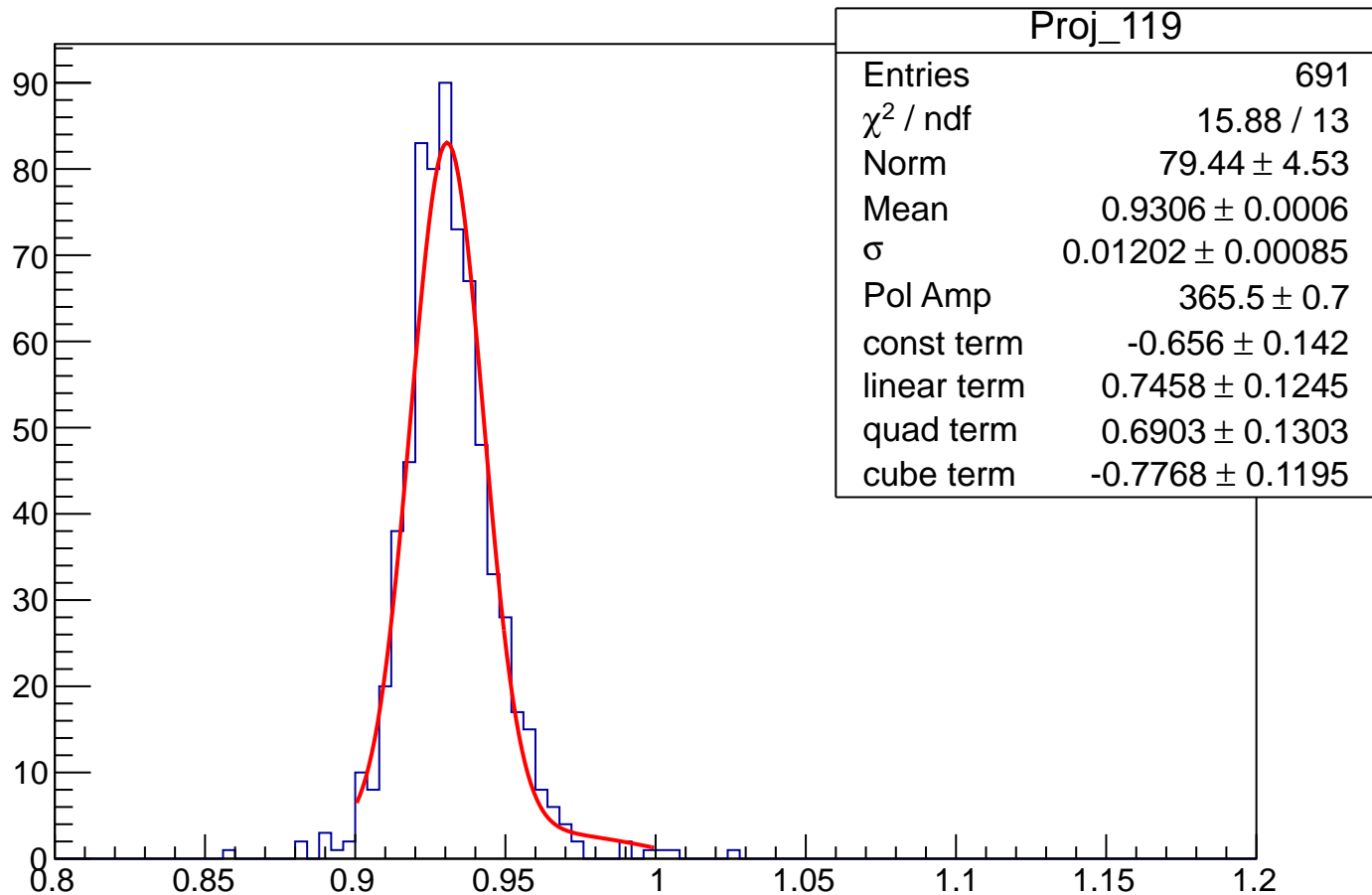
PhiThetaMassPip



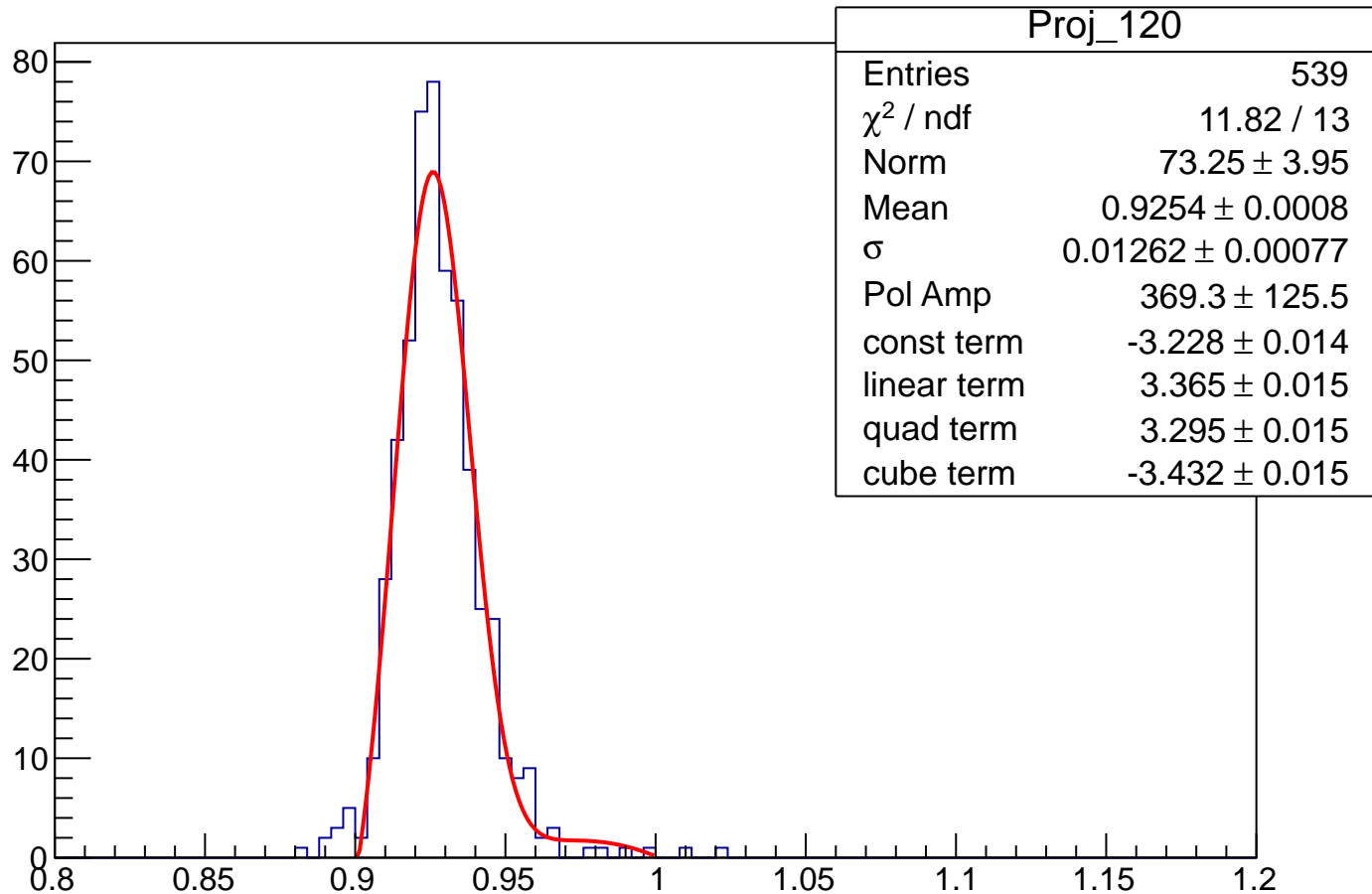
Proj_118

Entries	135
χ^2 / ndf	10.57 / 8
Norm	$7.251\text{e}+04 \pm 4.144\text{e}+04$
Mean	0.9322 ± 0.0002
σ	-0.0003808 ± 0.0000555
Pol Amp	4765 ± 1941.7
const term	-31.95 ± 4.84
linear term	100.4 ± 16.2
quad term	-105.1 ± 18.1
cube term	36.64 ± 6.71

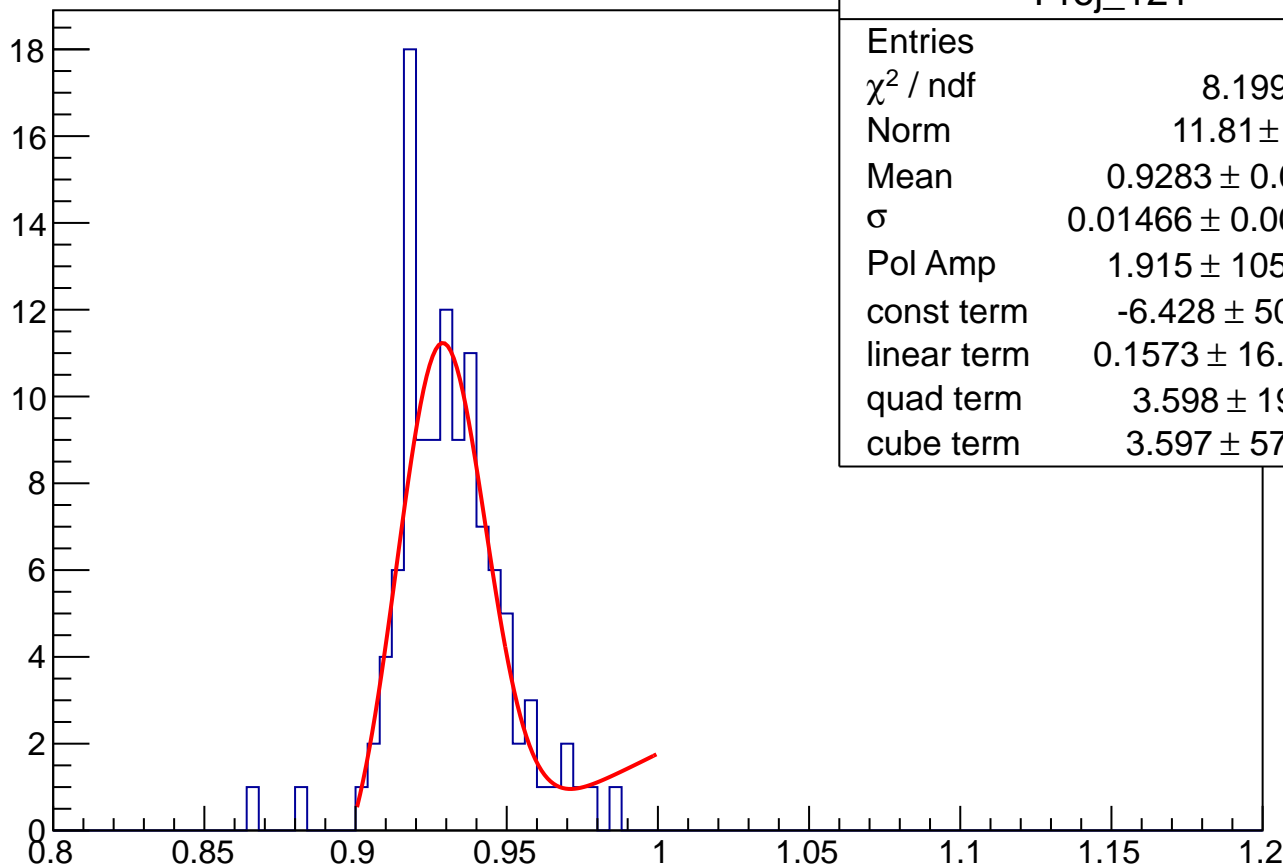
PhiThetaMassPip



PhiThetaMassPip



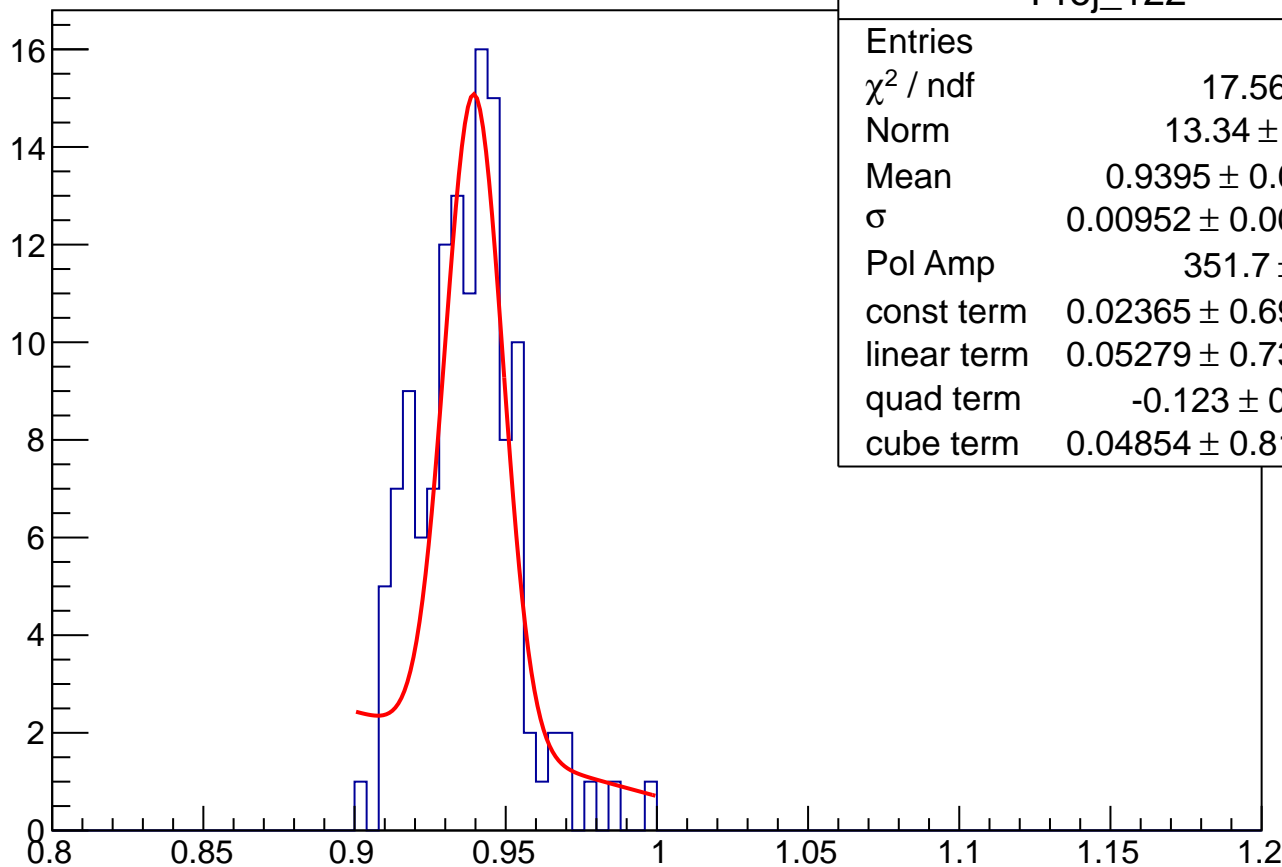
PhiThetaMassPip



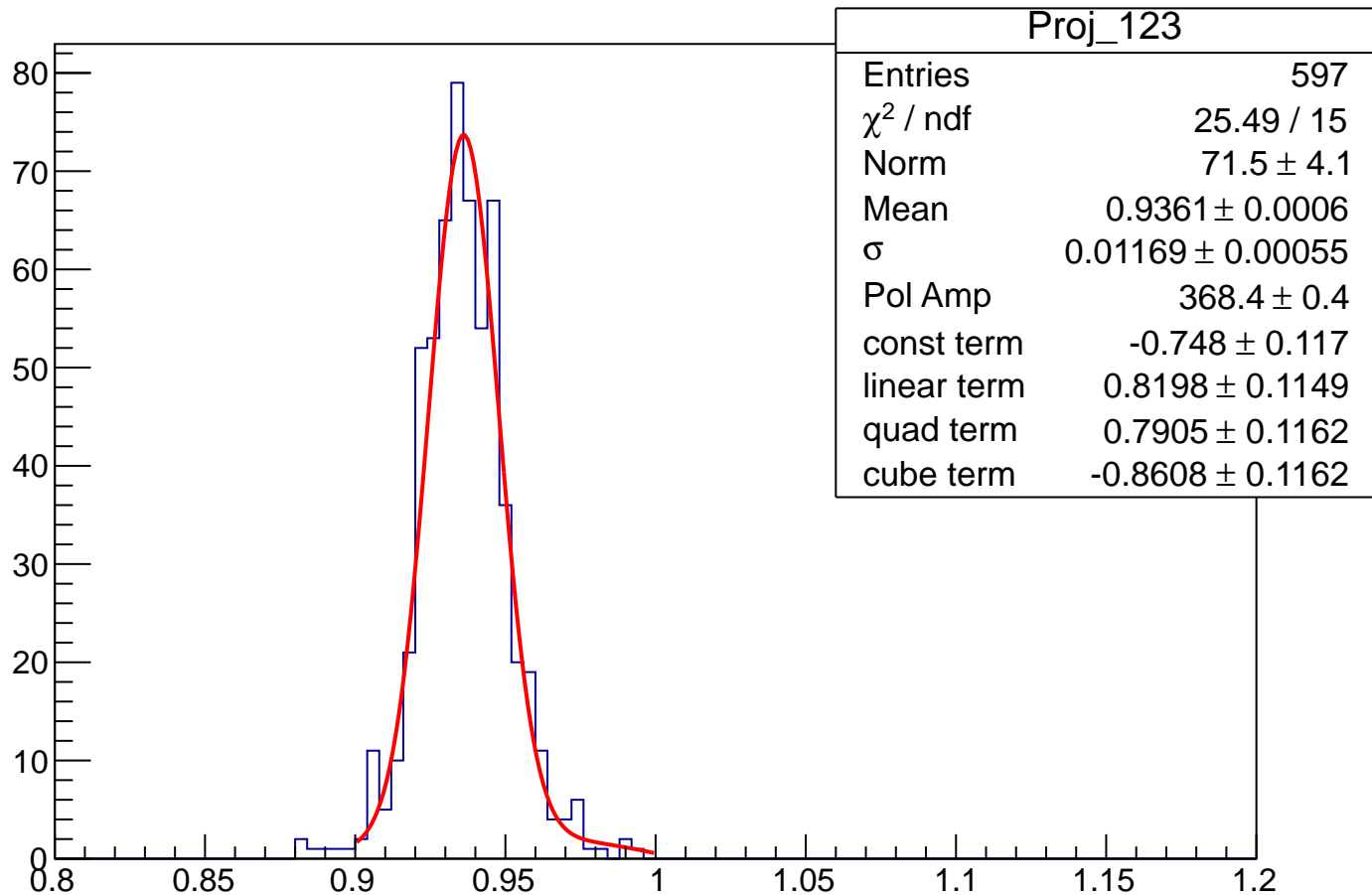
Proj_121

Entries	113
χ^2 / ndf	8.199 / 13
Norm	11.81 ± 1.60
Mean	0.9283 ± 0.0018
σ	0.01466 ± 0.00167
Pol Amp	1.915 ± 105.242
const term	-6.428 ± 50.381
linear term	0.1573 ± 16.8011
quad term	3.598 ± 19.211
cube term	3.597 ± 57.512

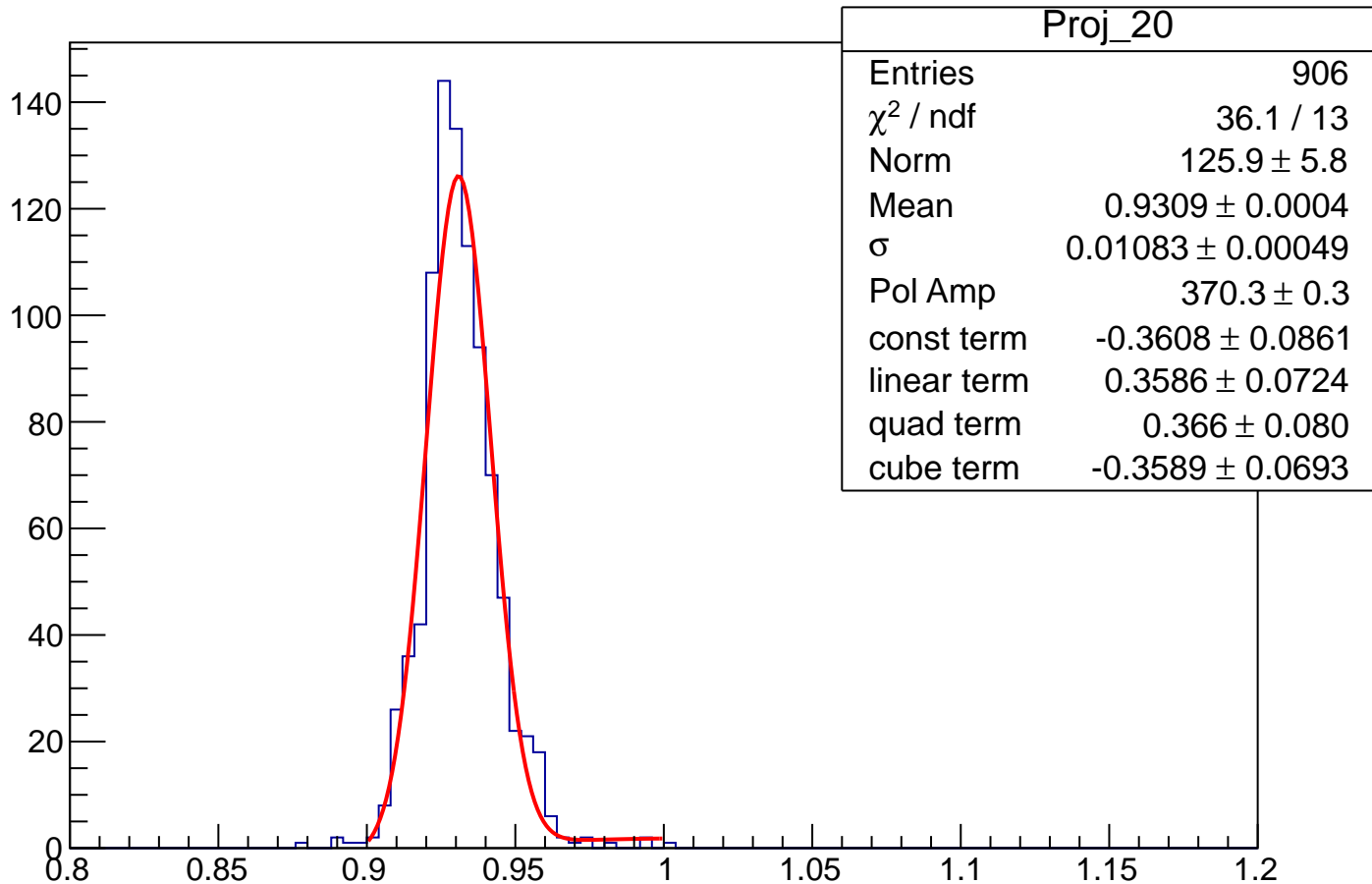
PhiThetaMassPip



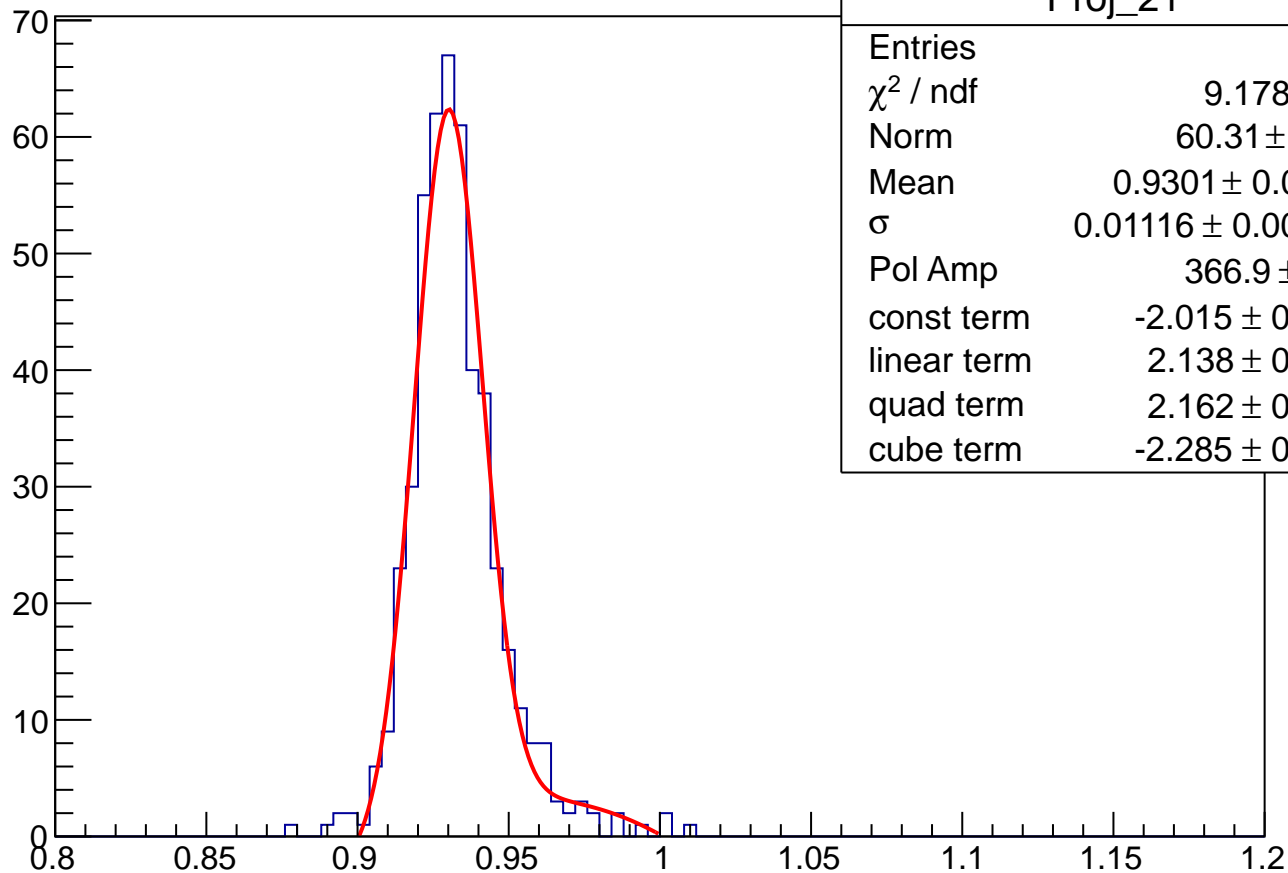
PhiThetaMassPip



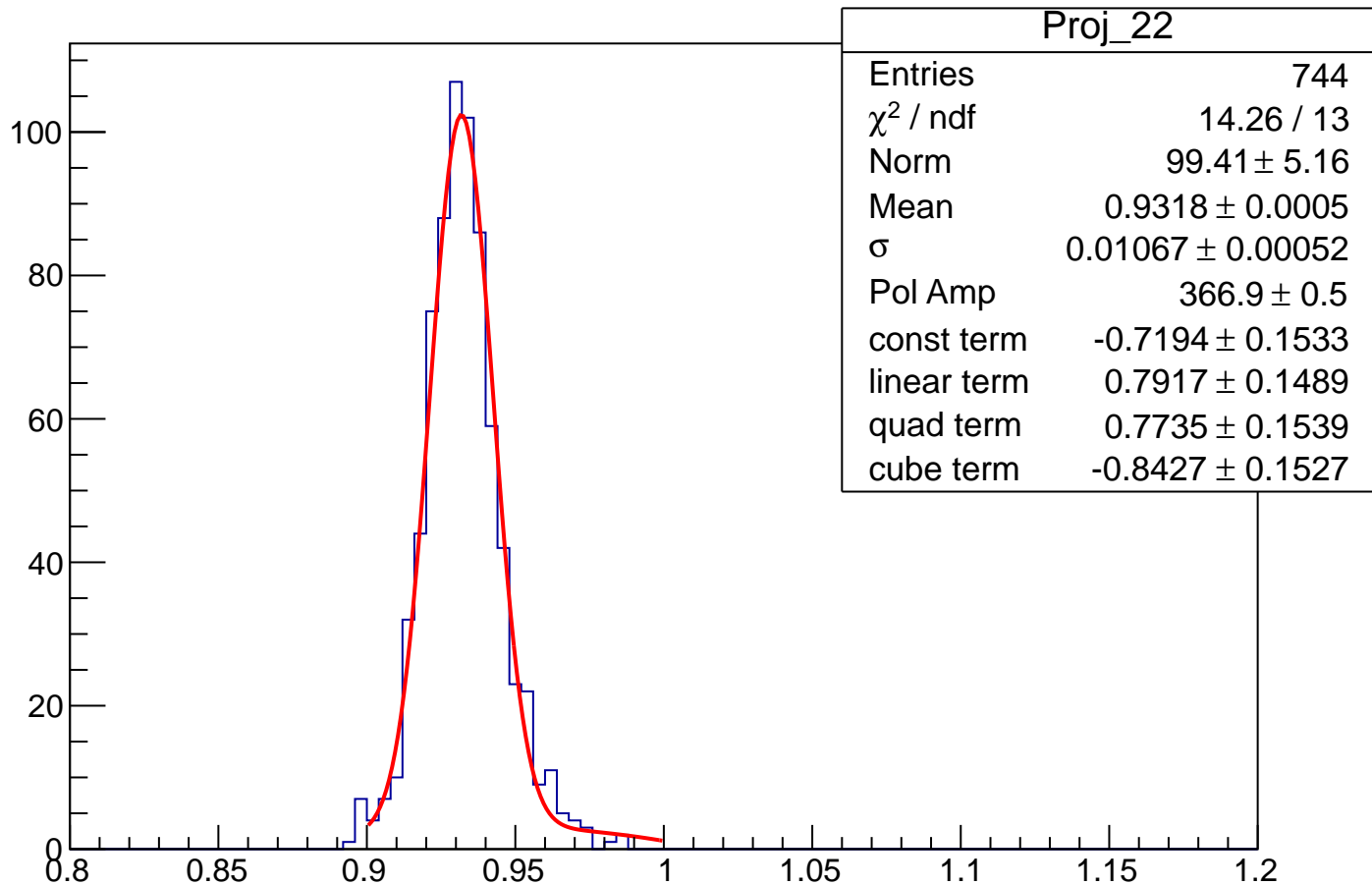
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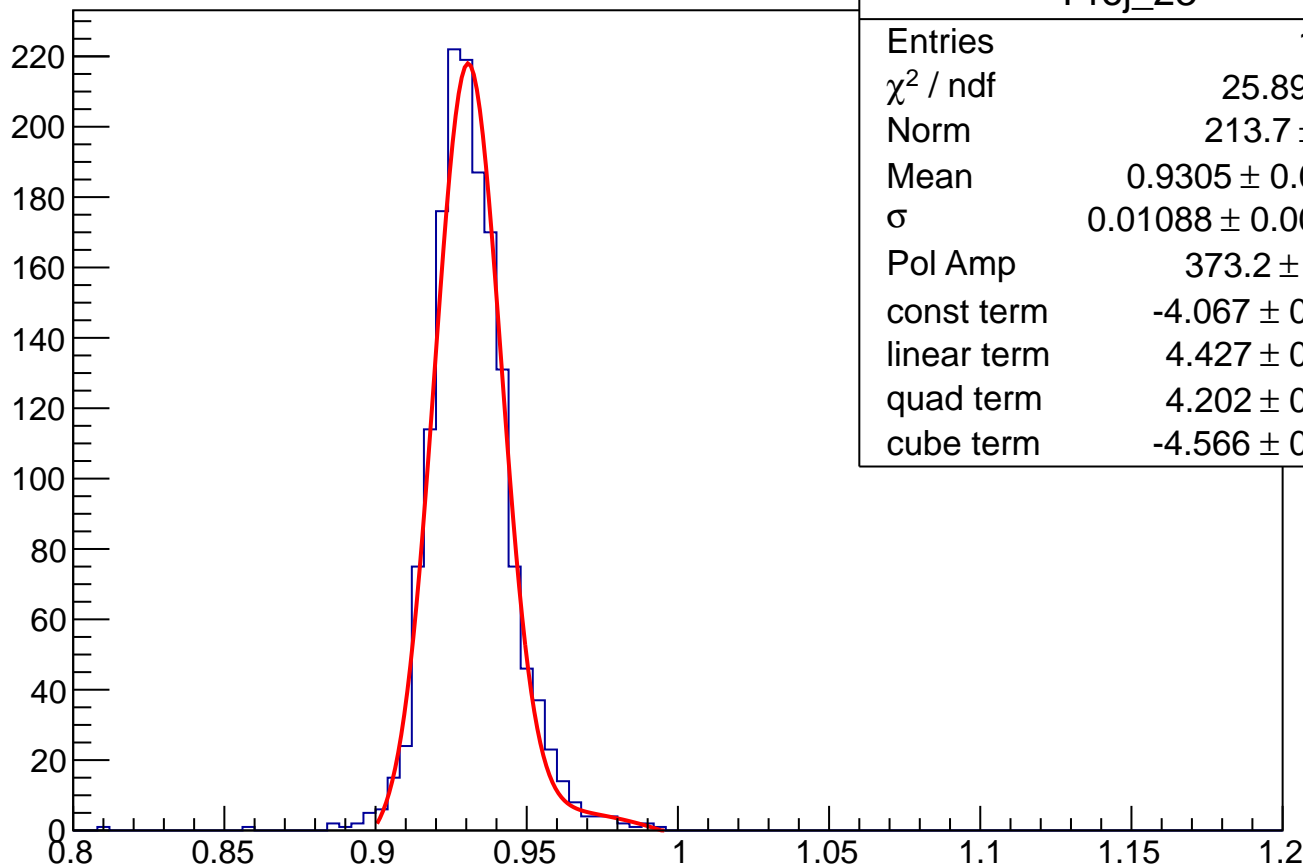
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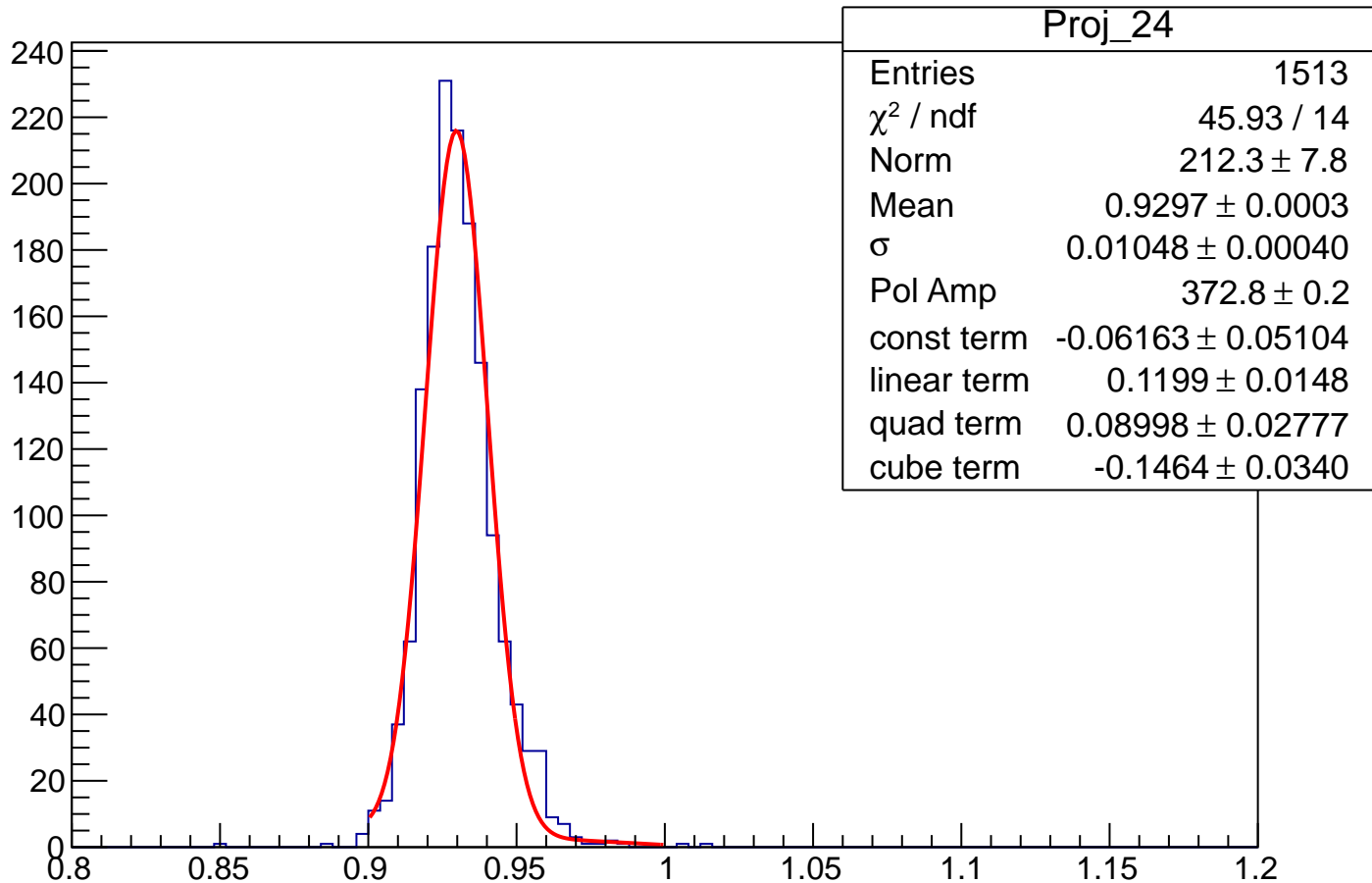
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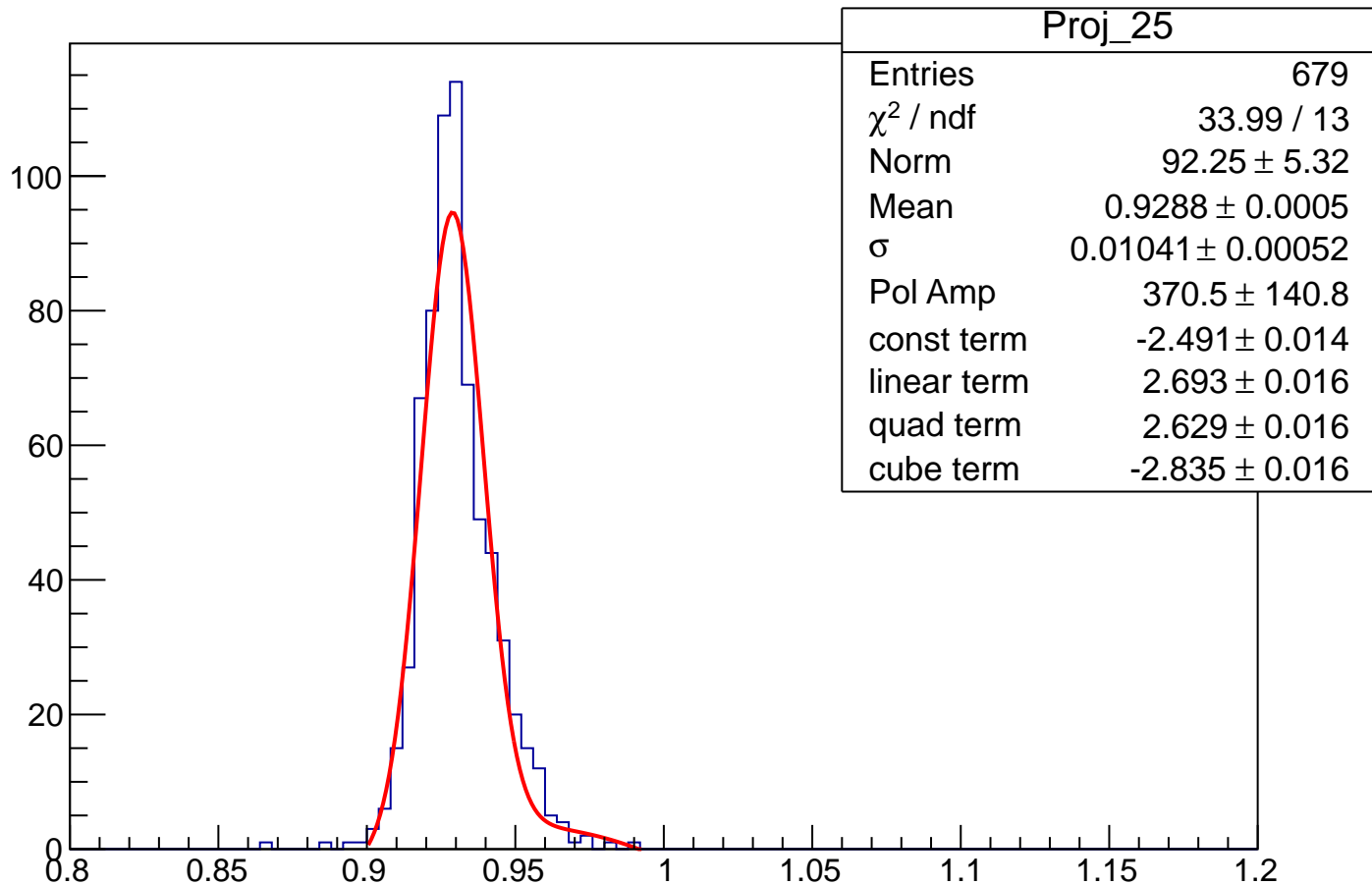
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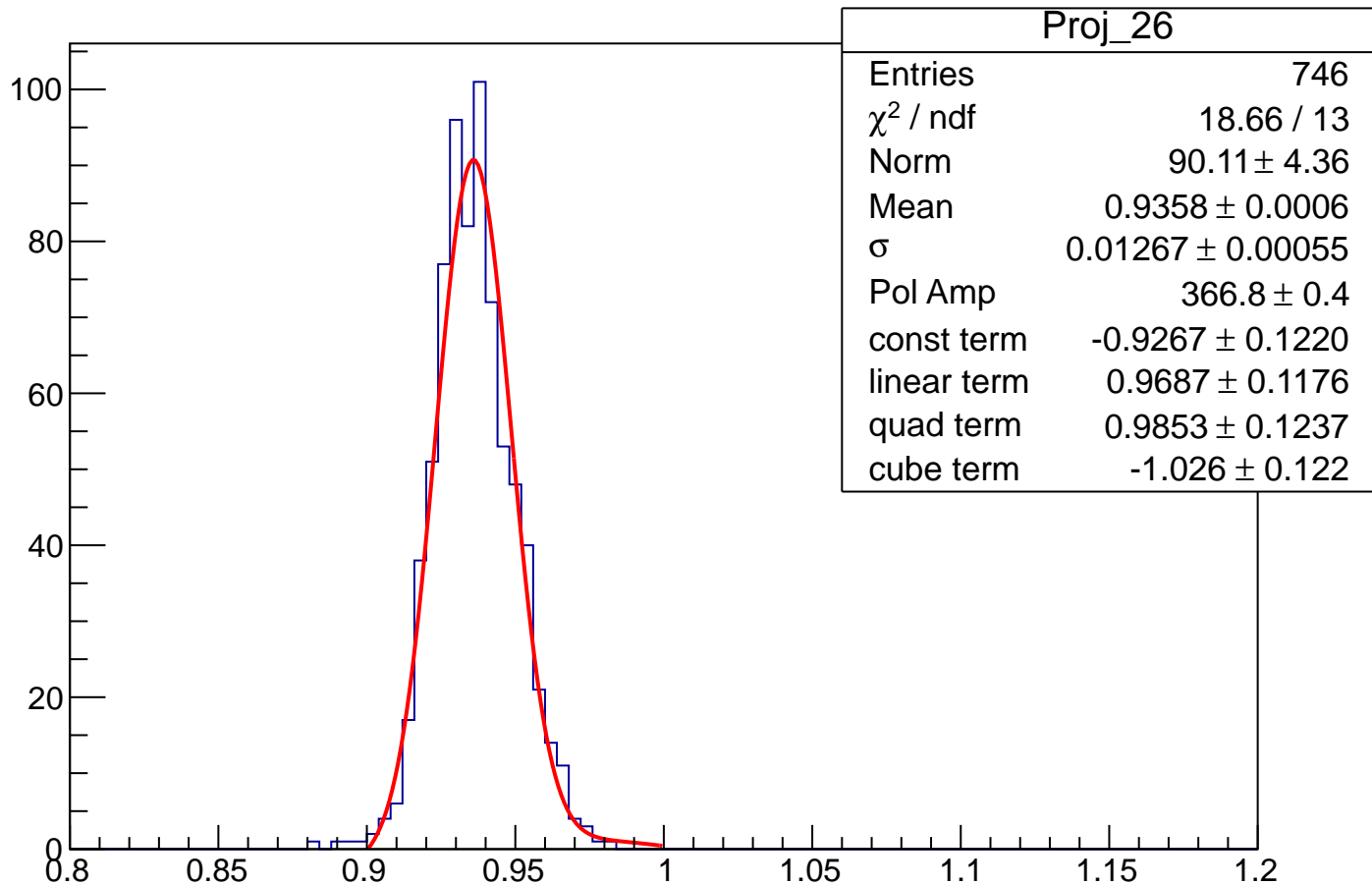
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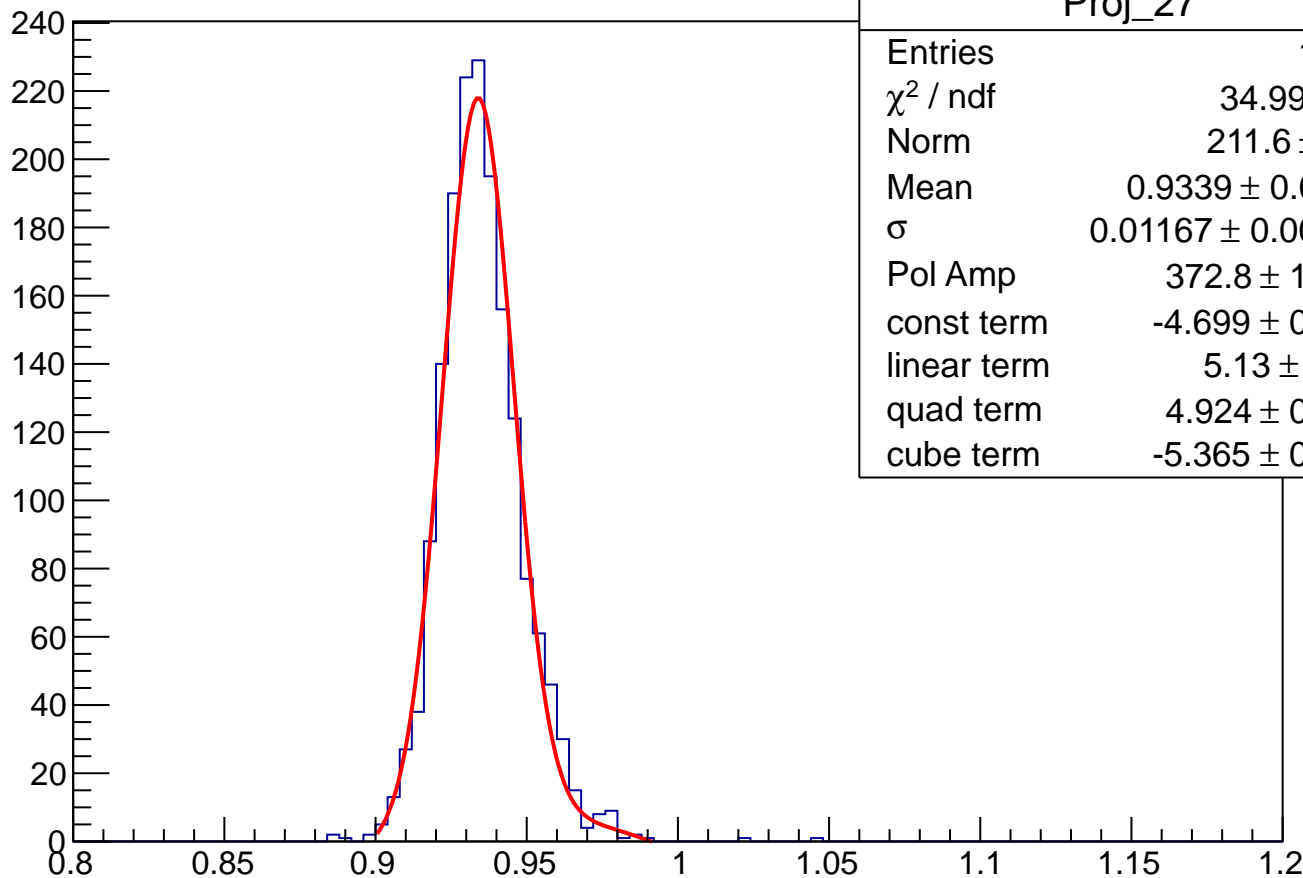
PhiThetaMassPip



PhiThetaMassPip



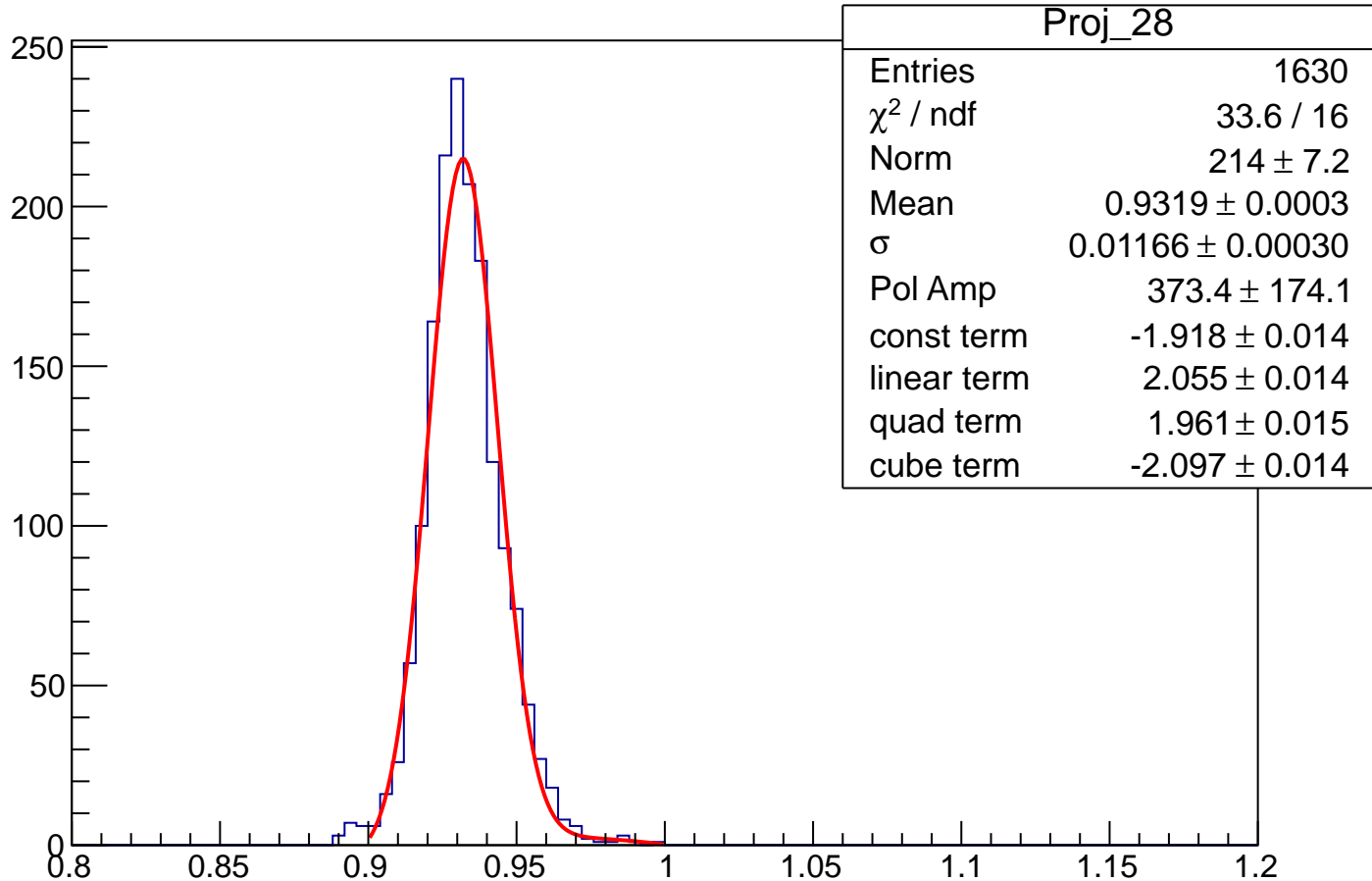
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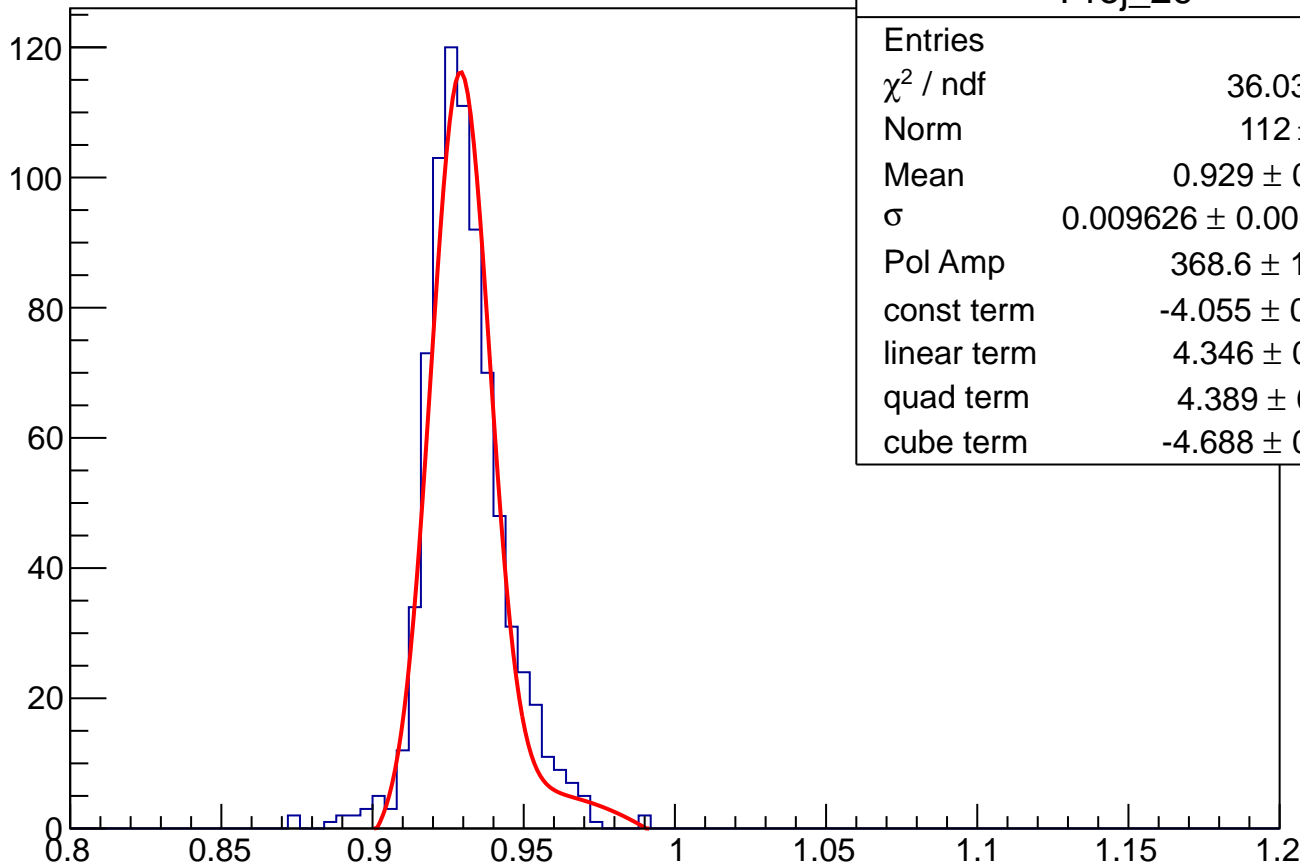
Proj_27

Entries	1690
χ^2 / ndf	34.99 / 15
Norm	211.6 ± 7.2
Mean	0.9339 ± 0.0004
σ	0.01167 ± 0.00032
Pol Amp	372.8 ± 122.2
const term	-4.699 ± 0.017
linear term	5.13 ± 0.02
quad term	4.924 ± 0.018
cube term	-5.365 ± 0.018

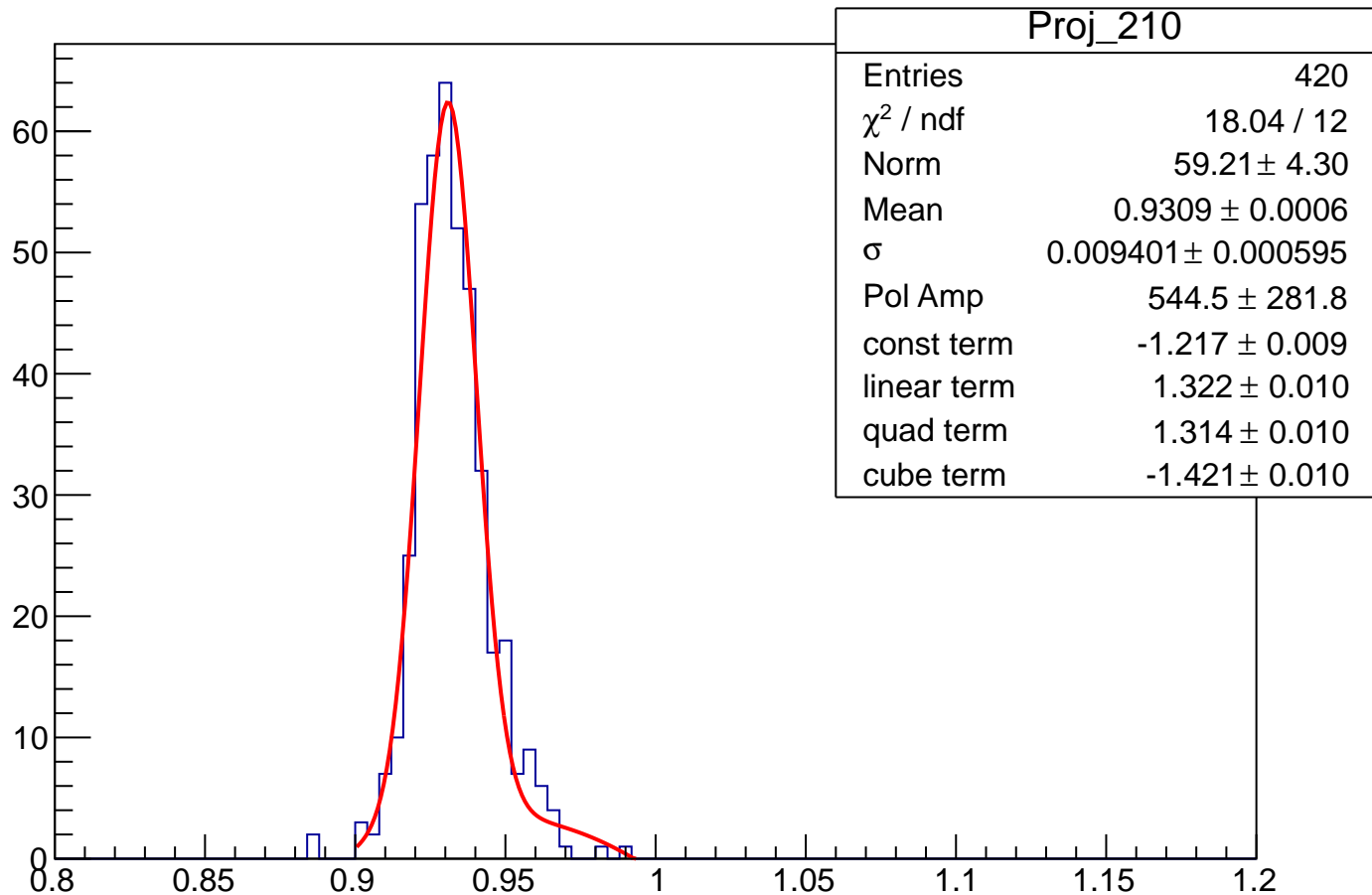
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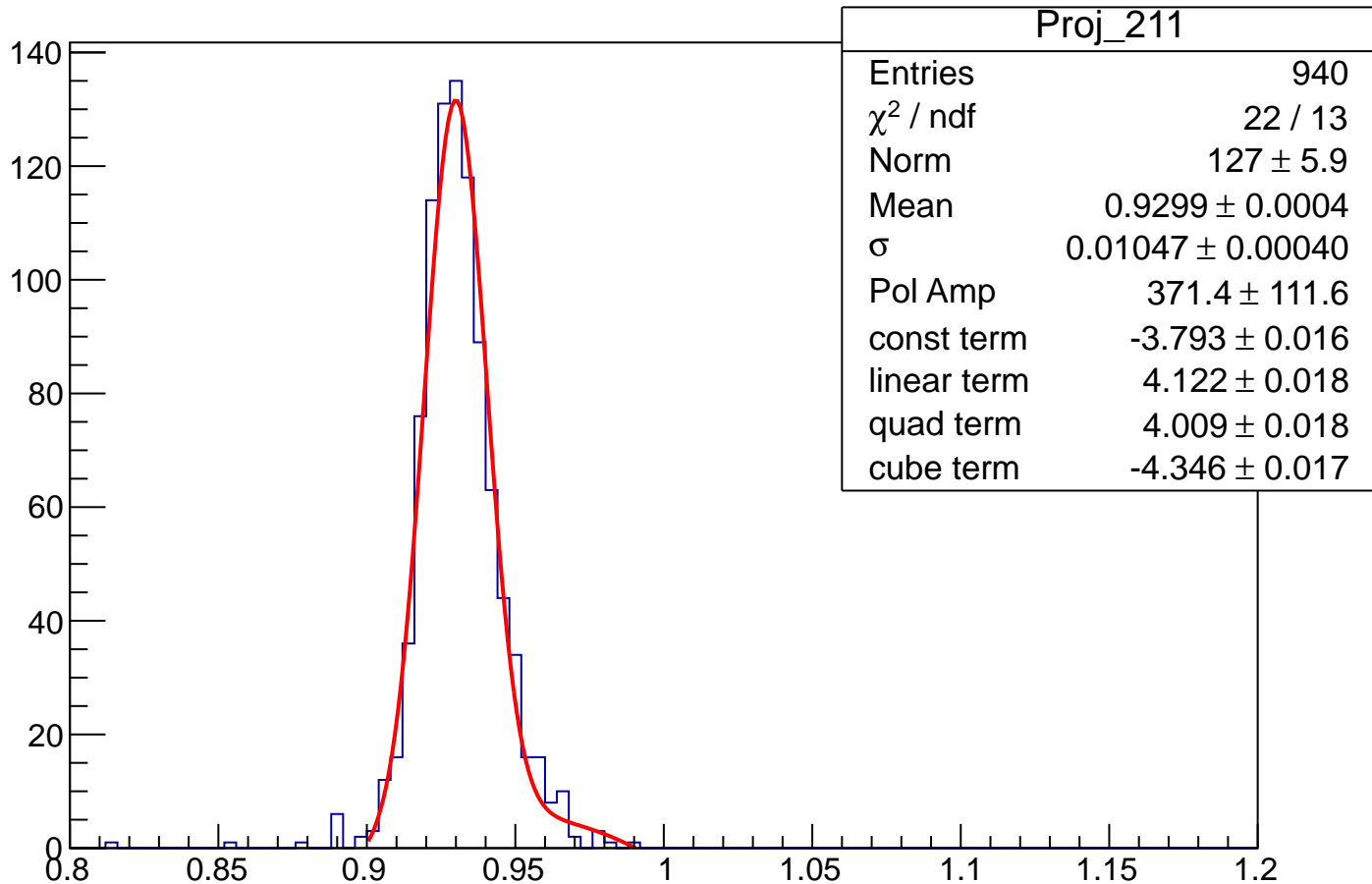
PhiThetaMassPip



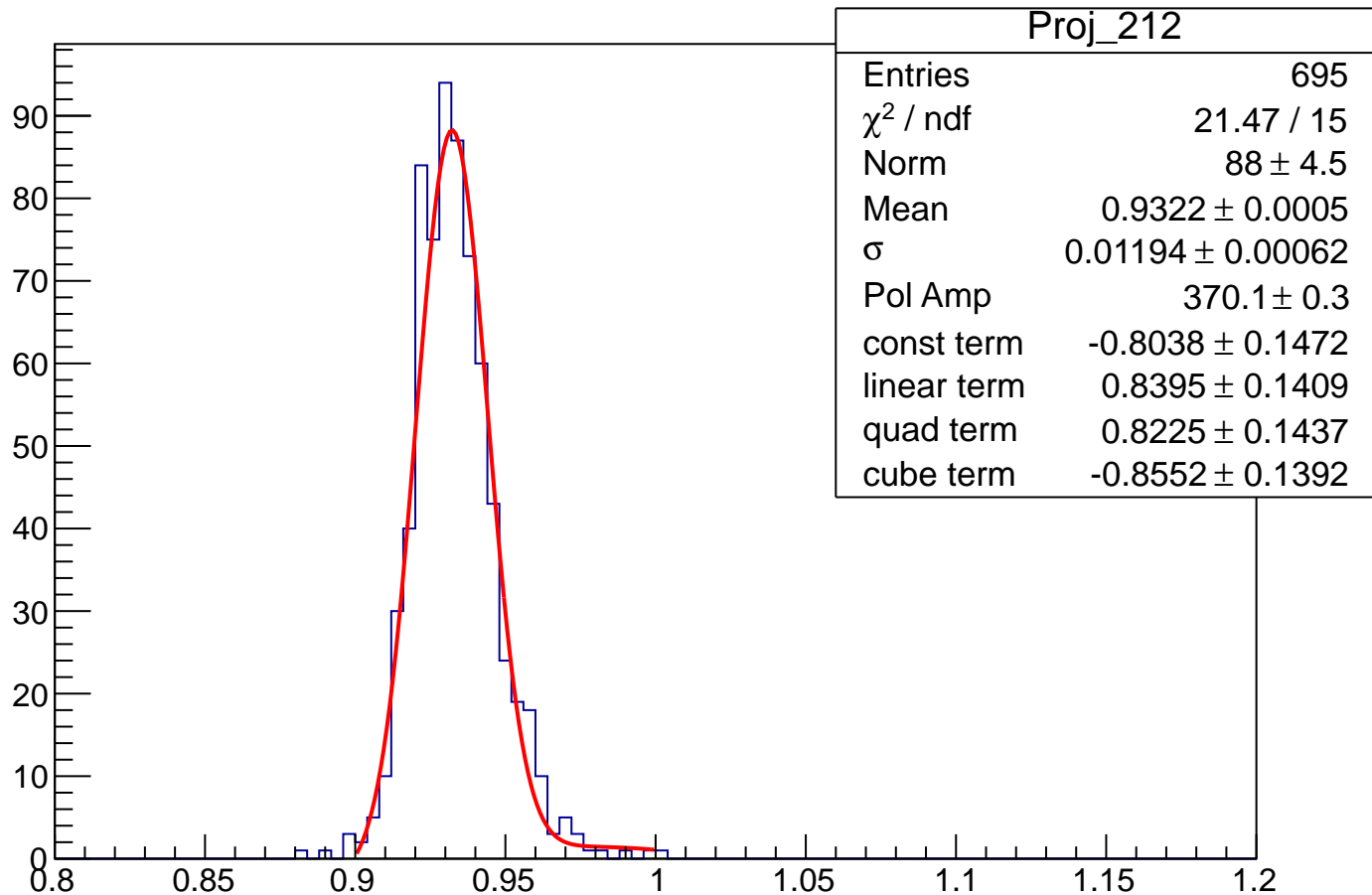
PhiThetaMassPip



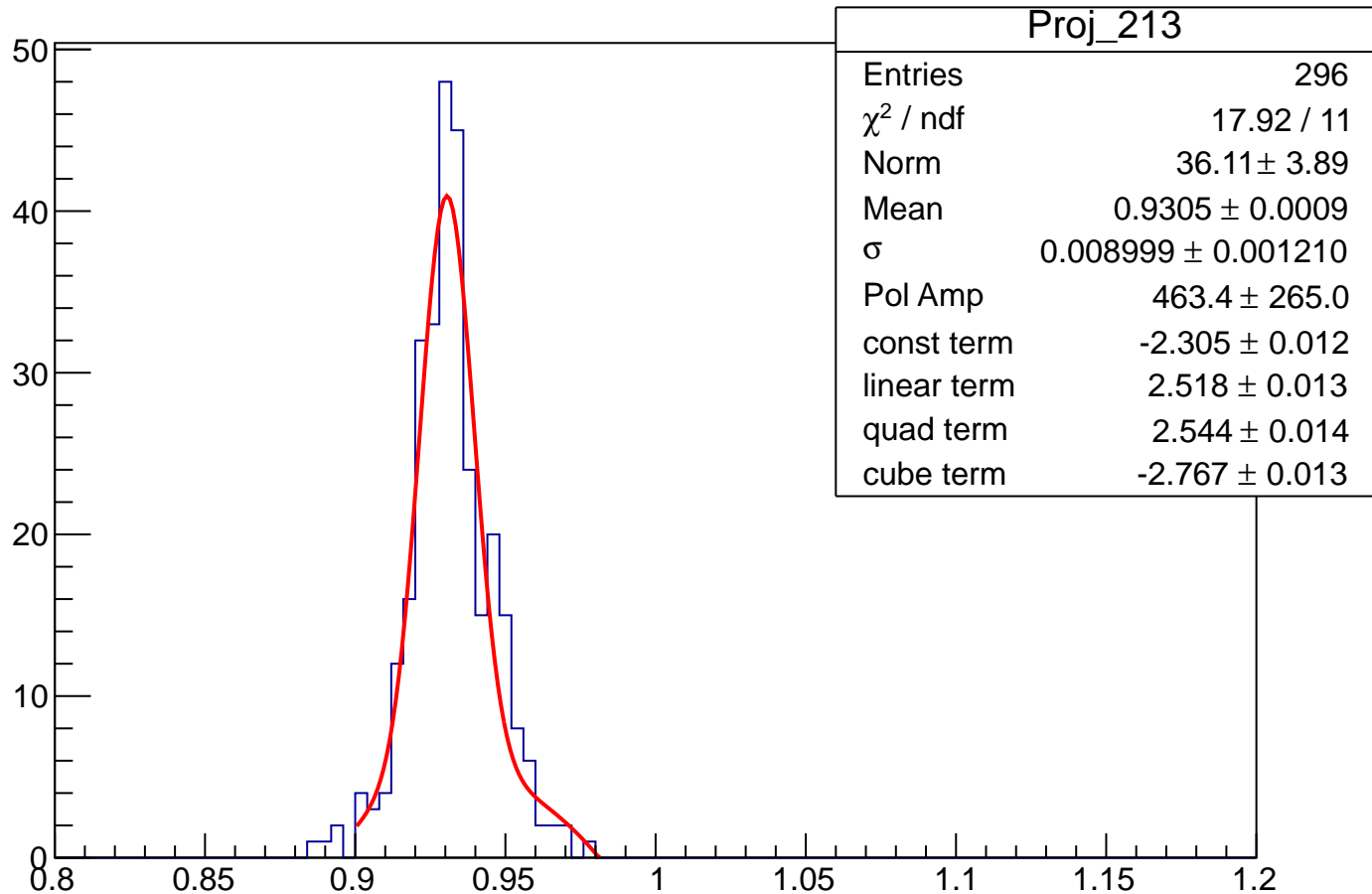
PhiThetaMassPip



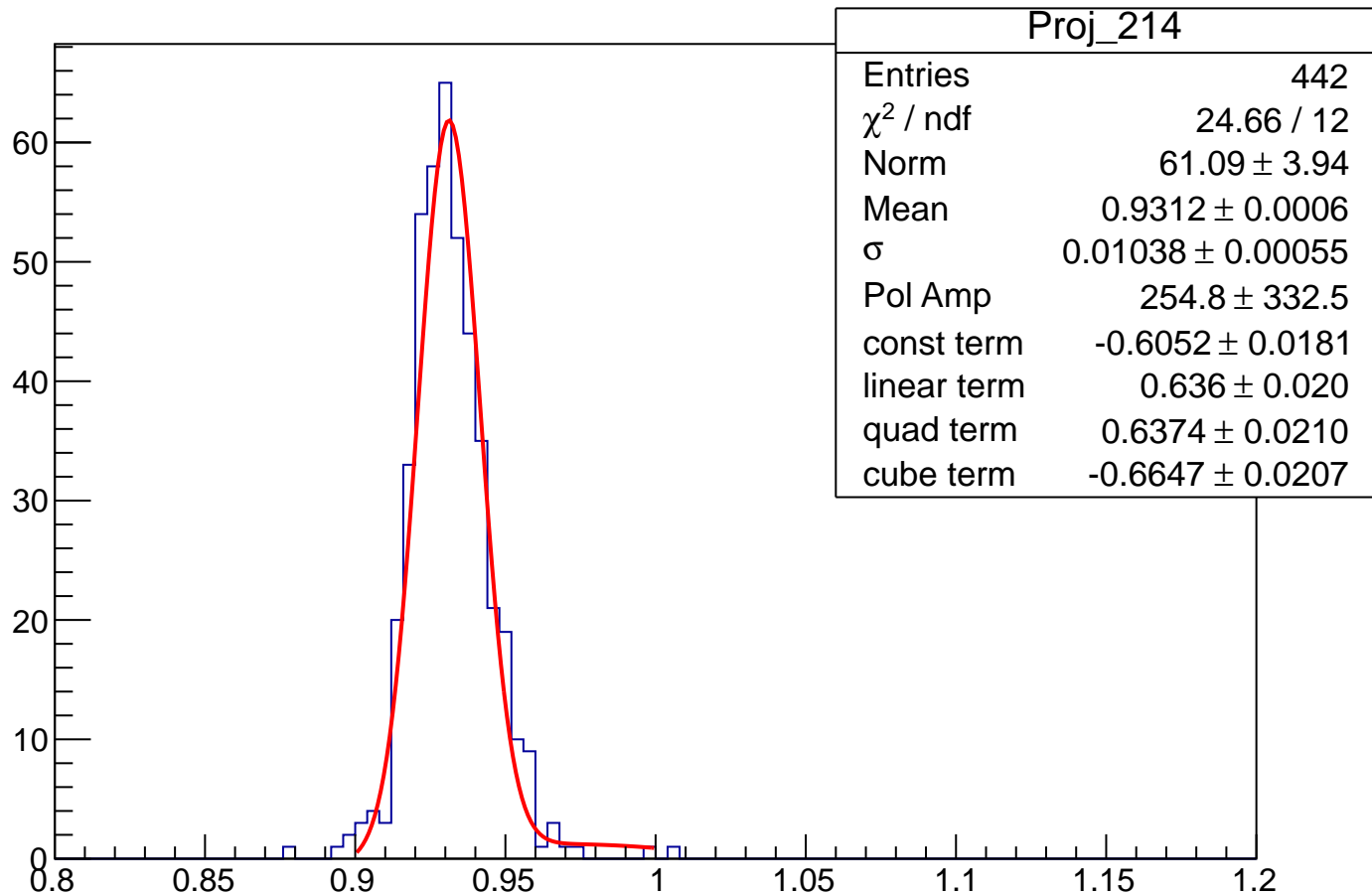
PhiThetaMassPip



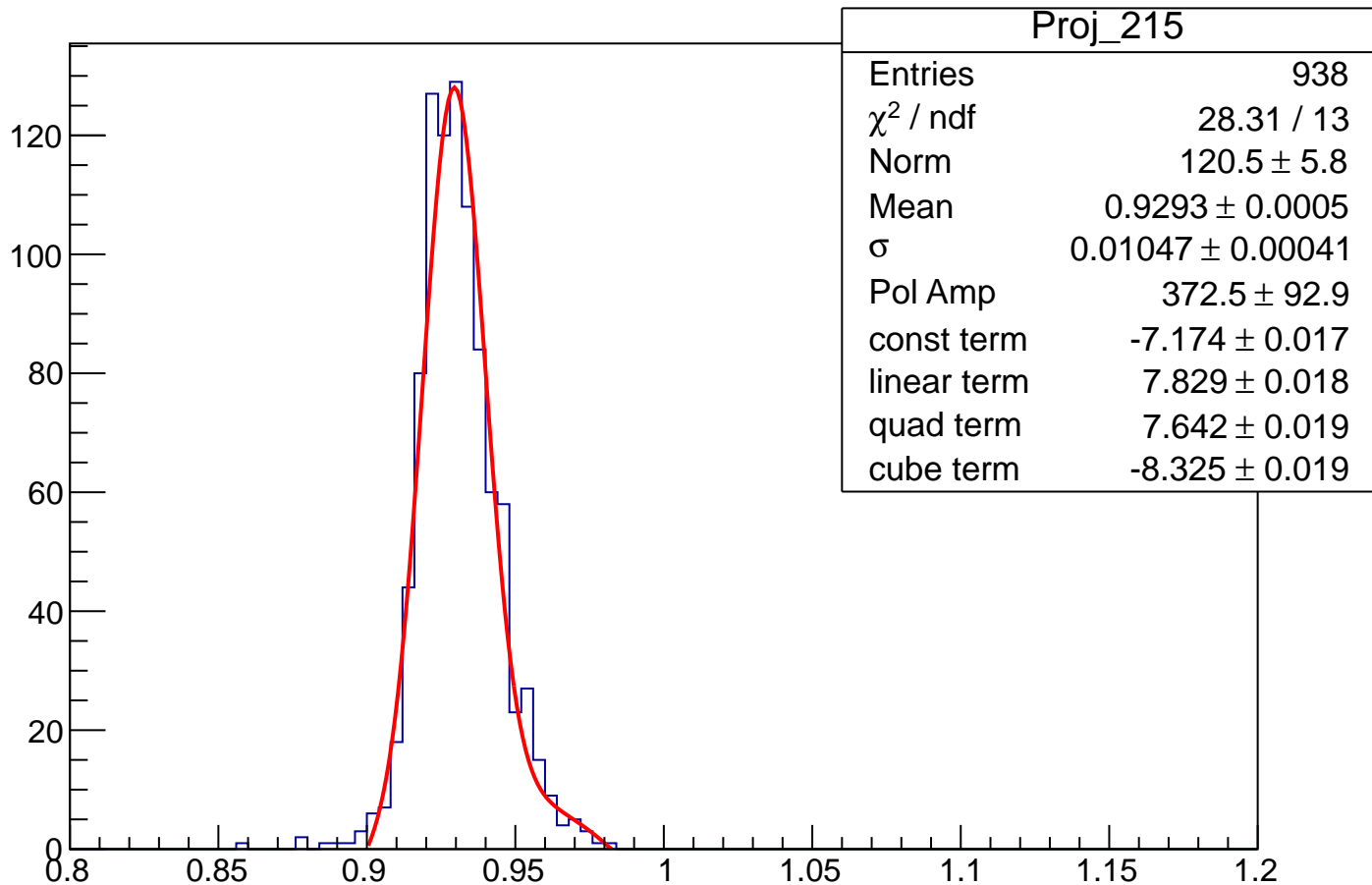
PhiThetaMassPip



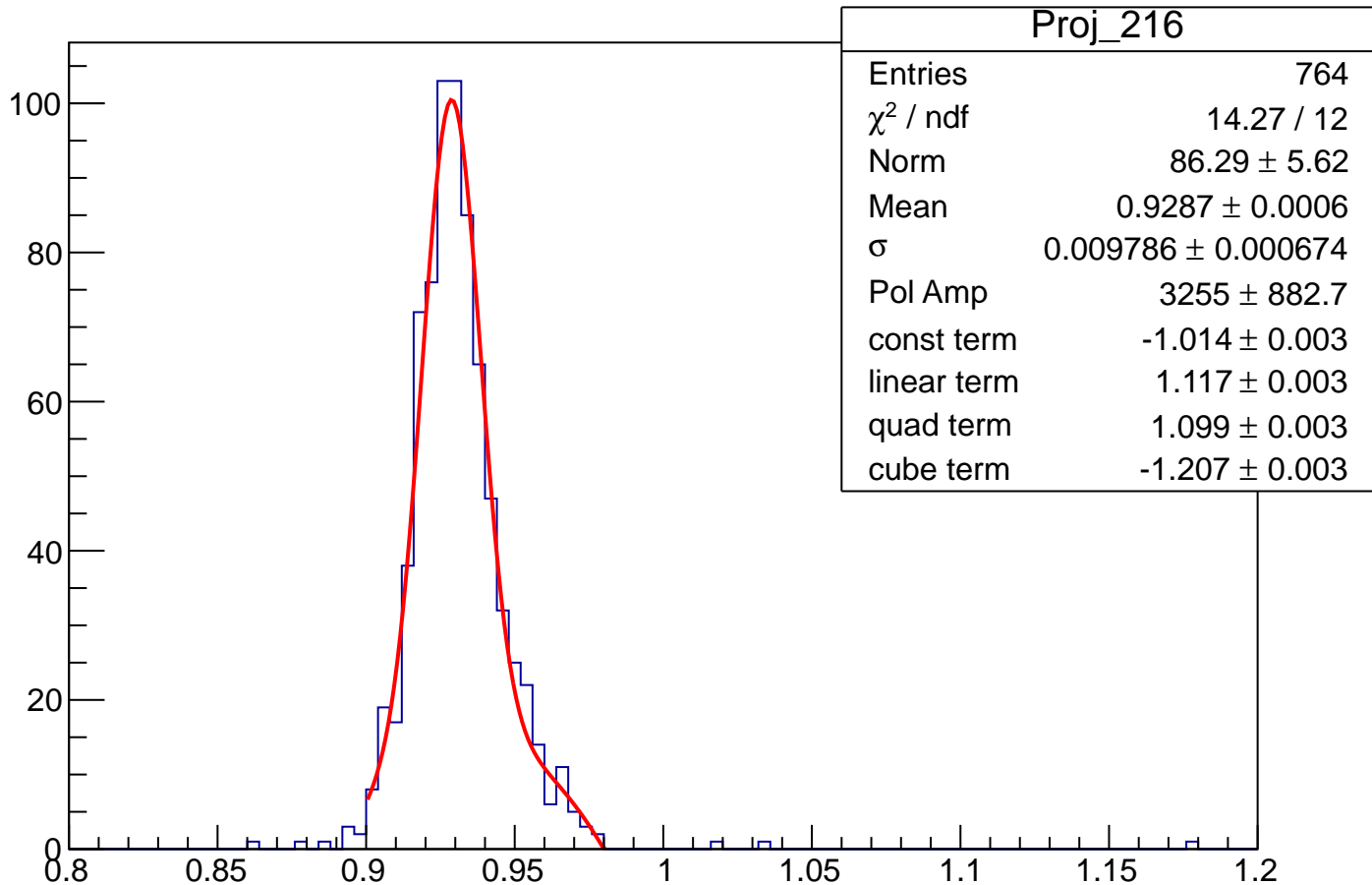
PhiThetaMassPip



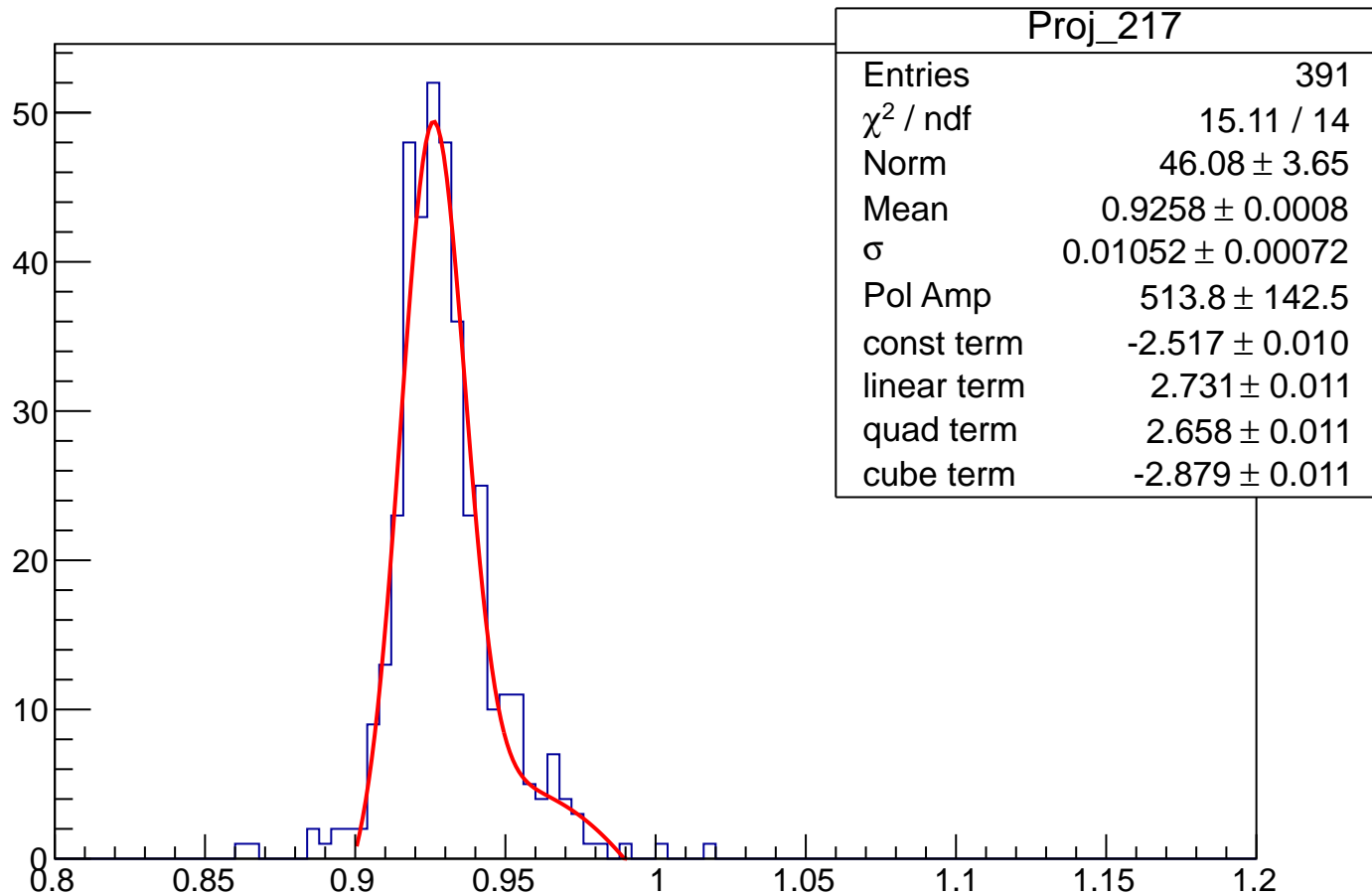
PhiThetaMassPip



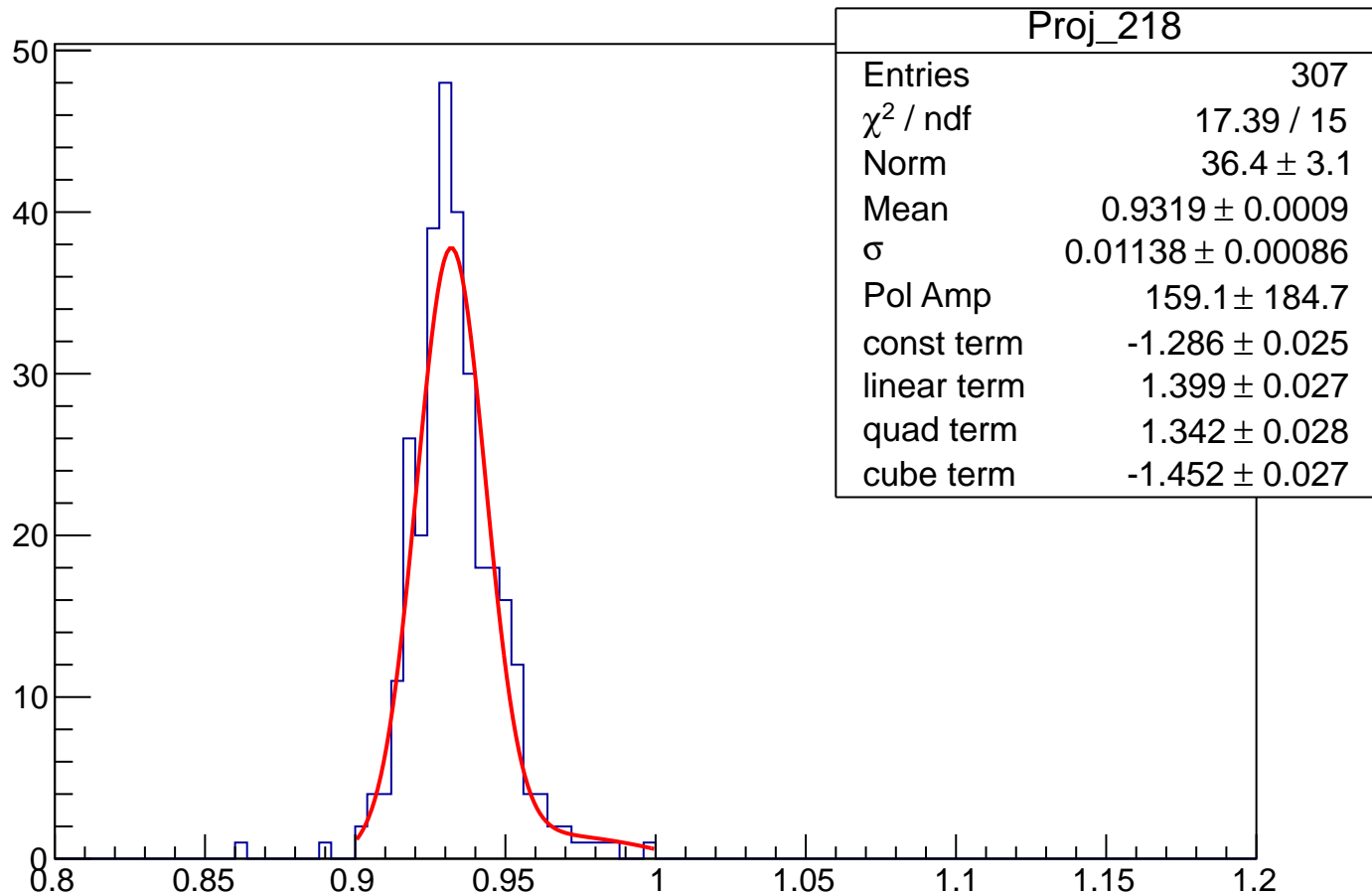
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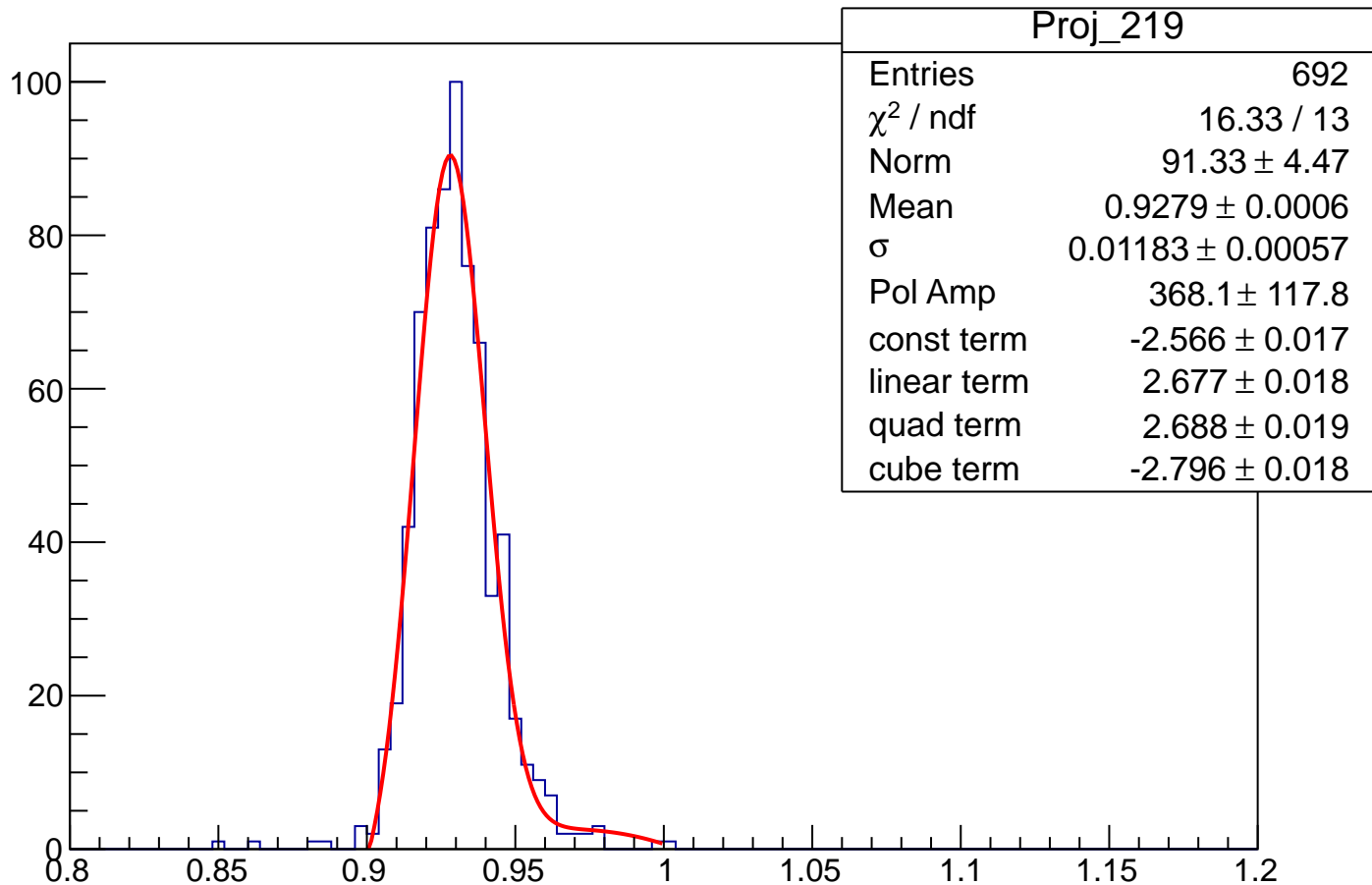
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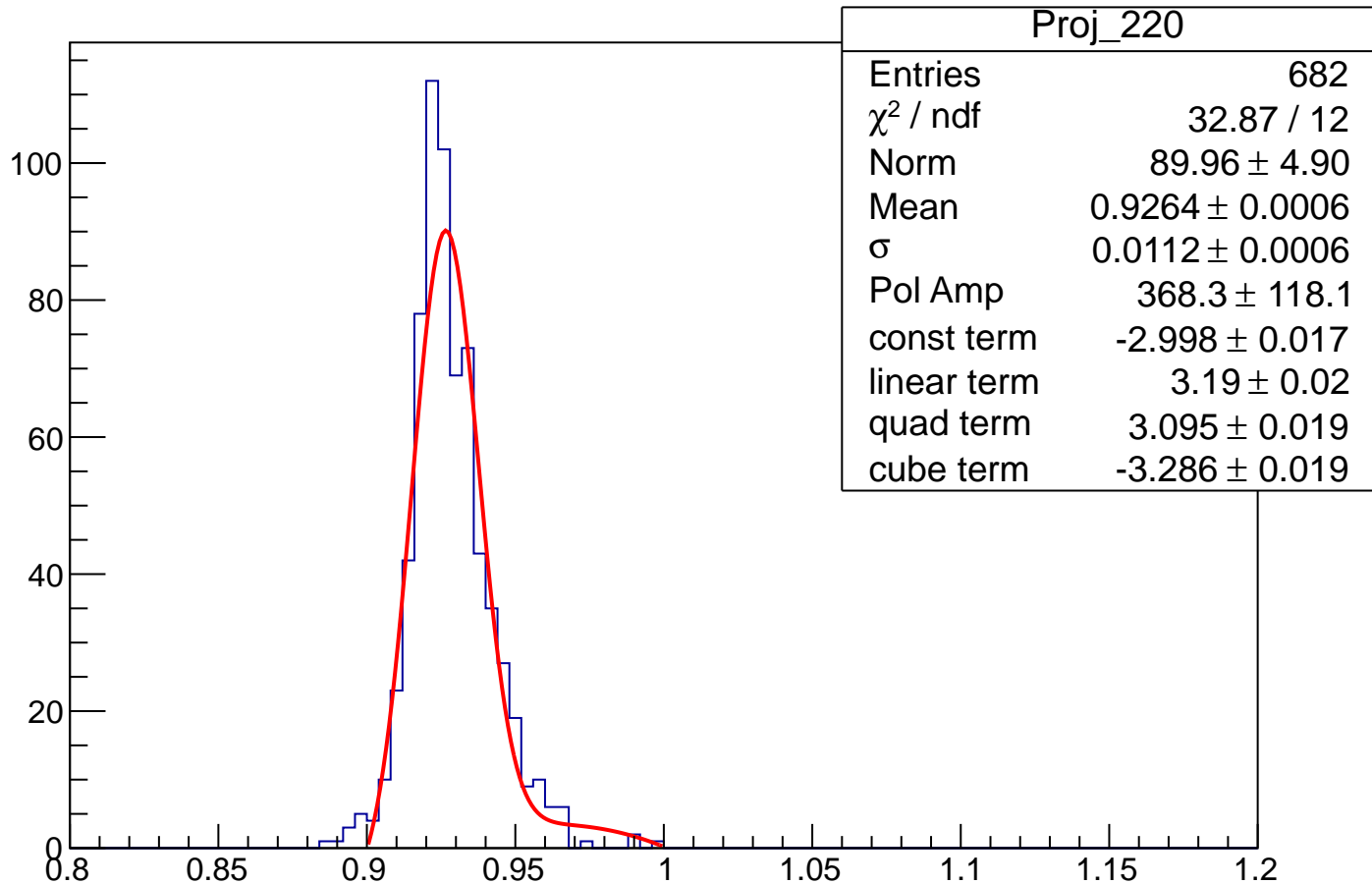
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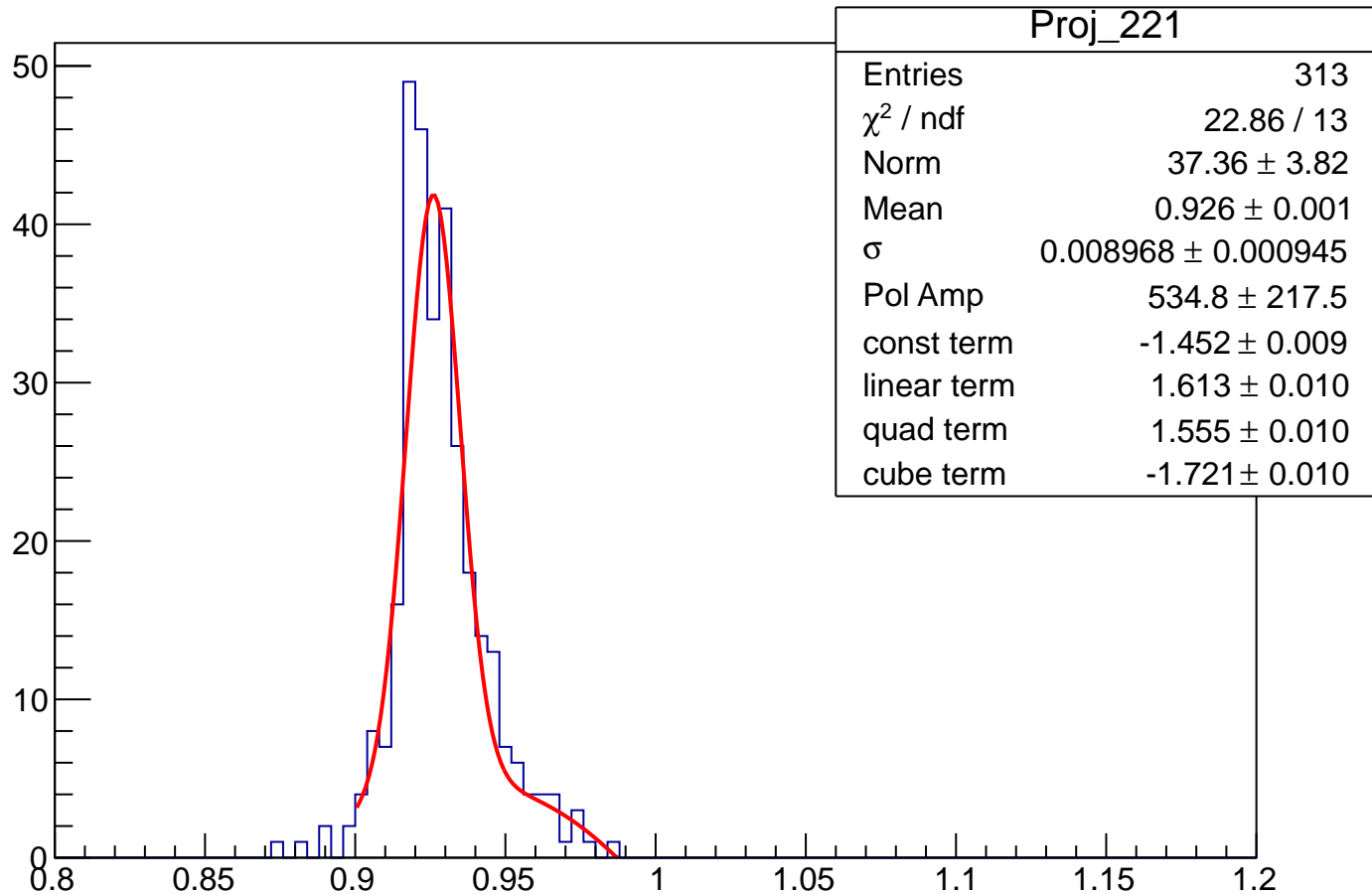
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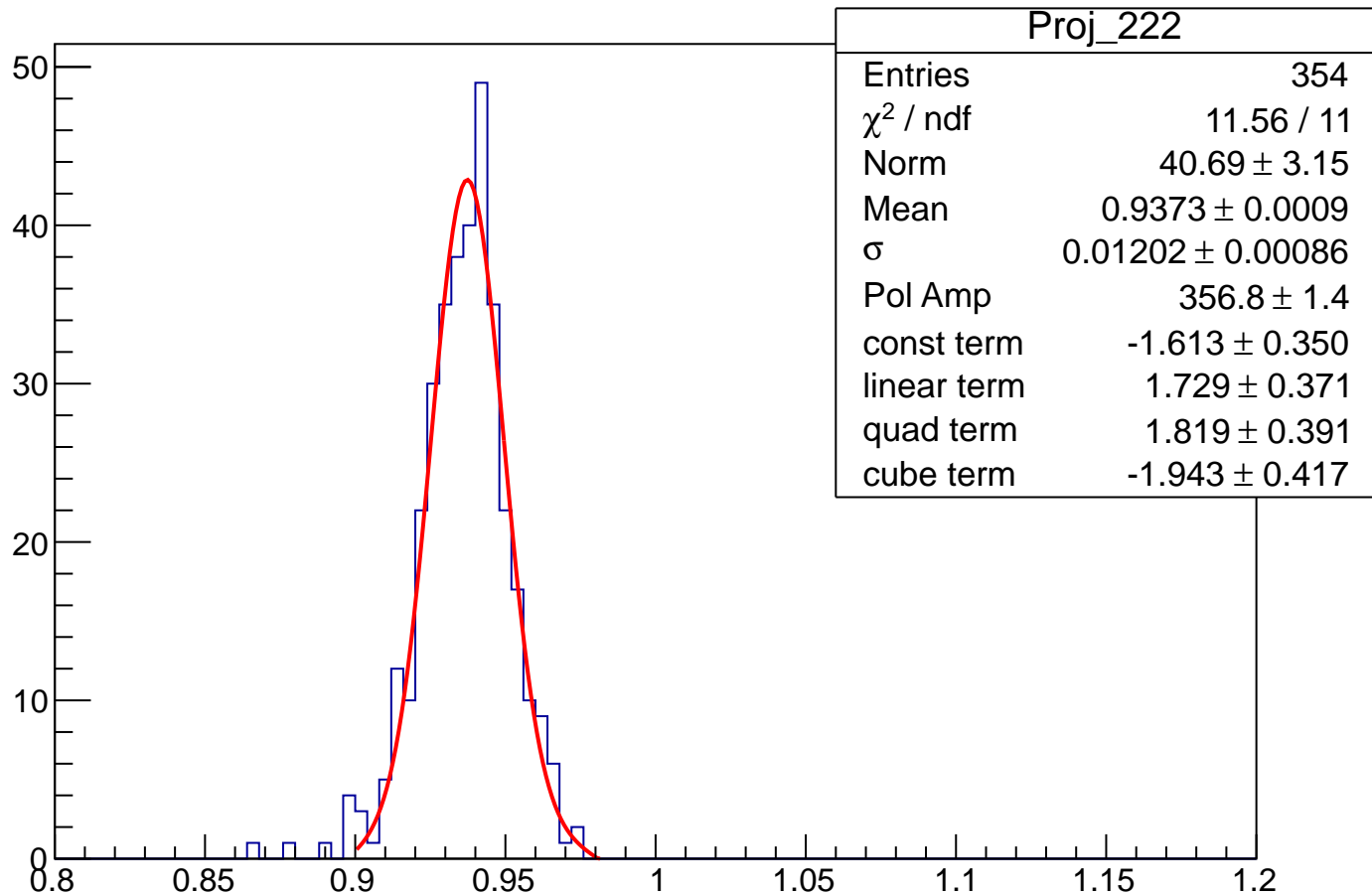
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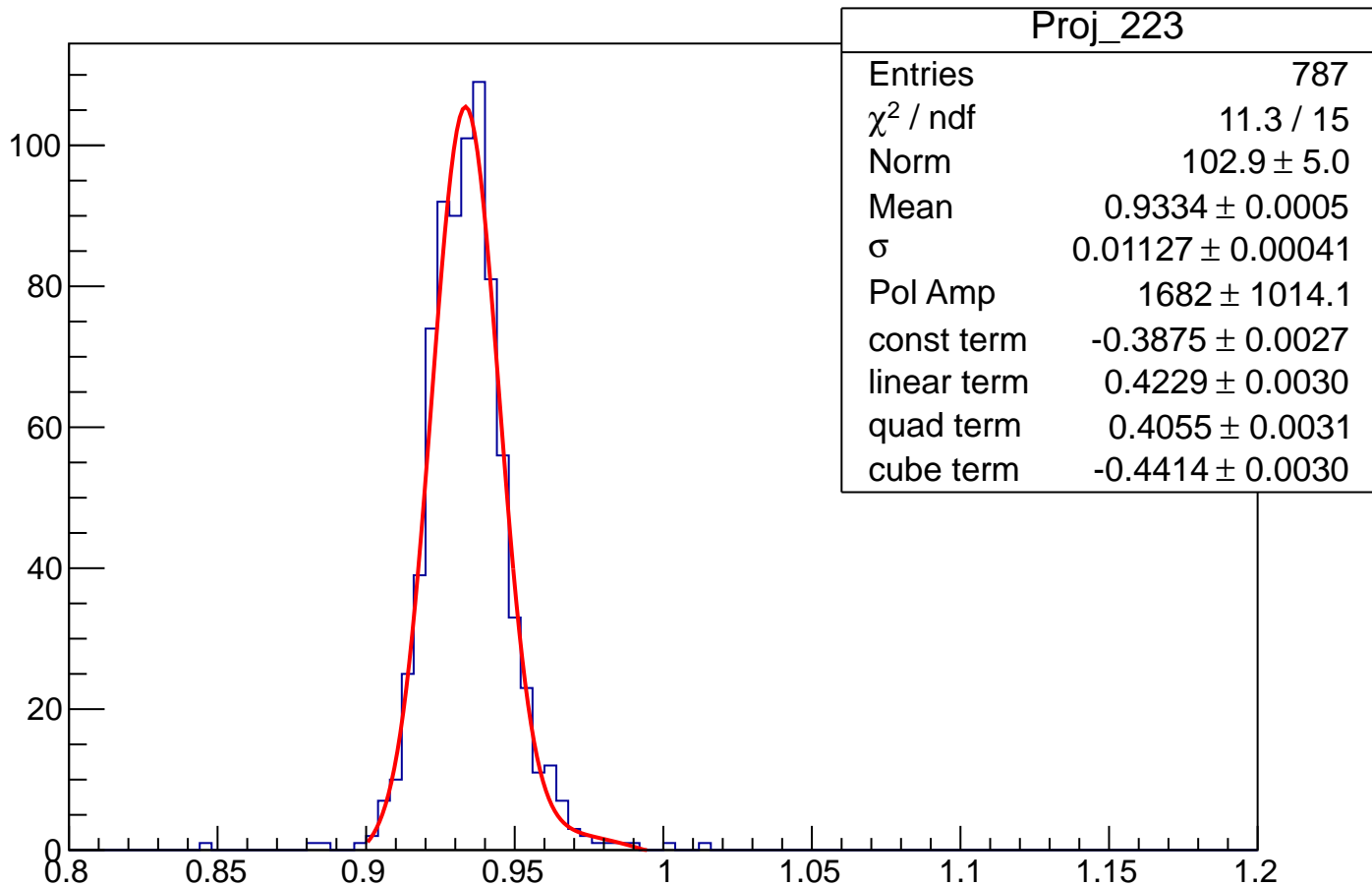
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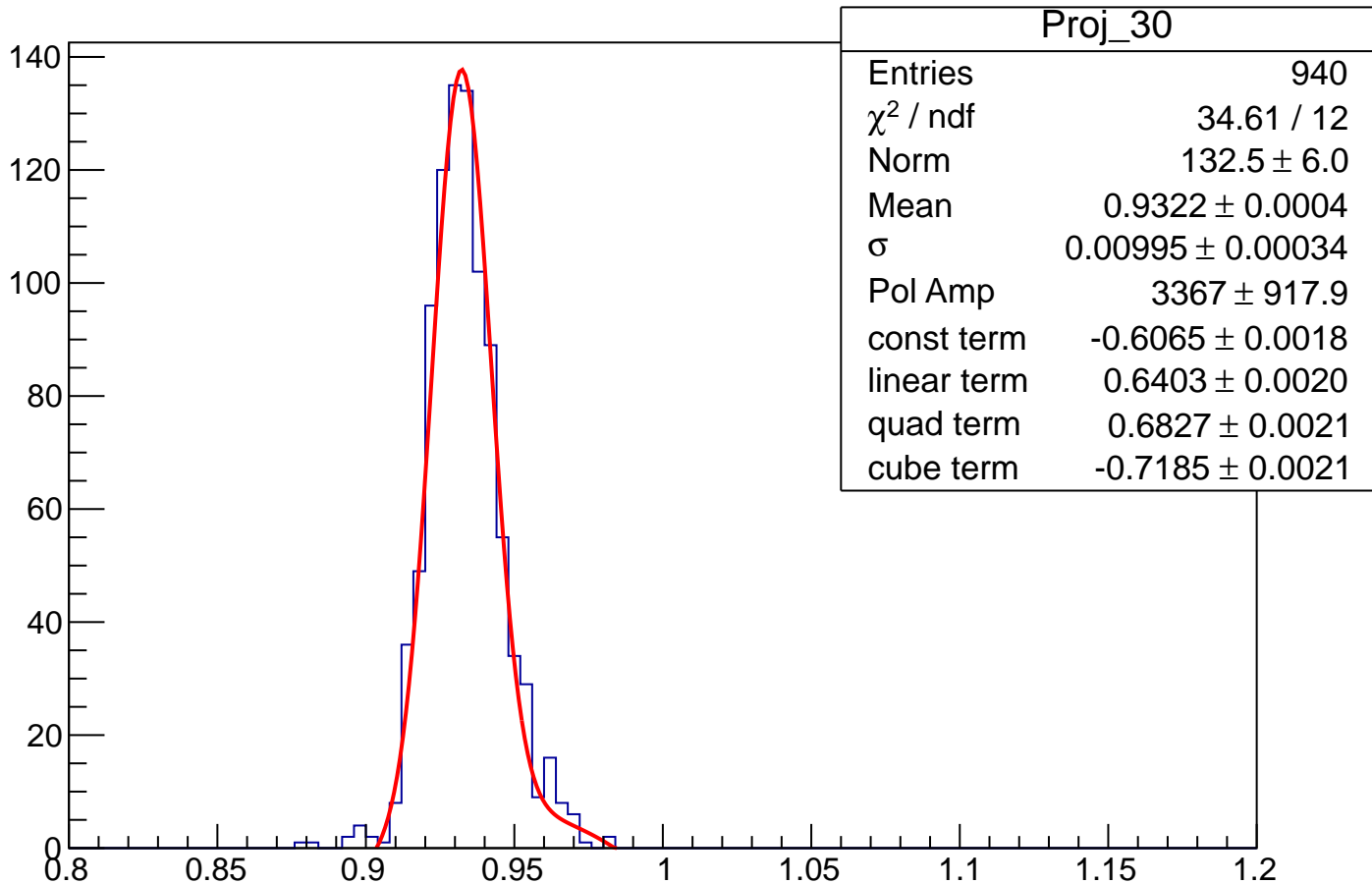
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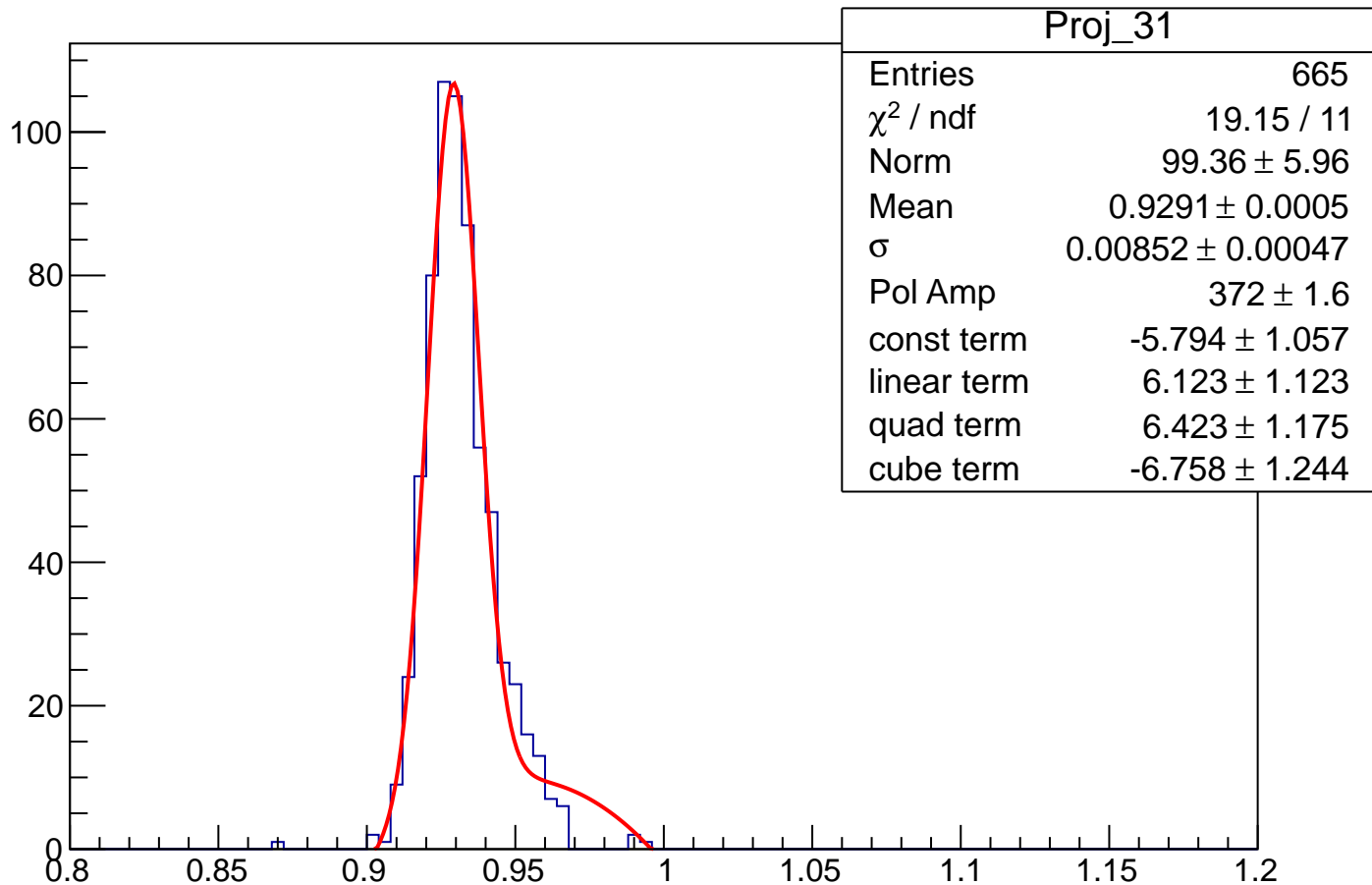
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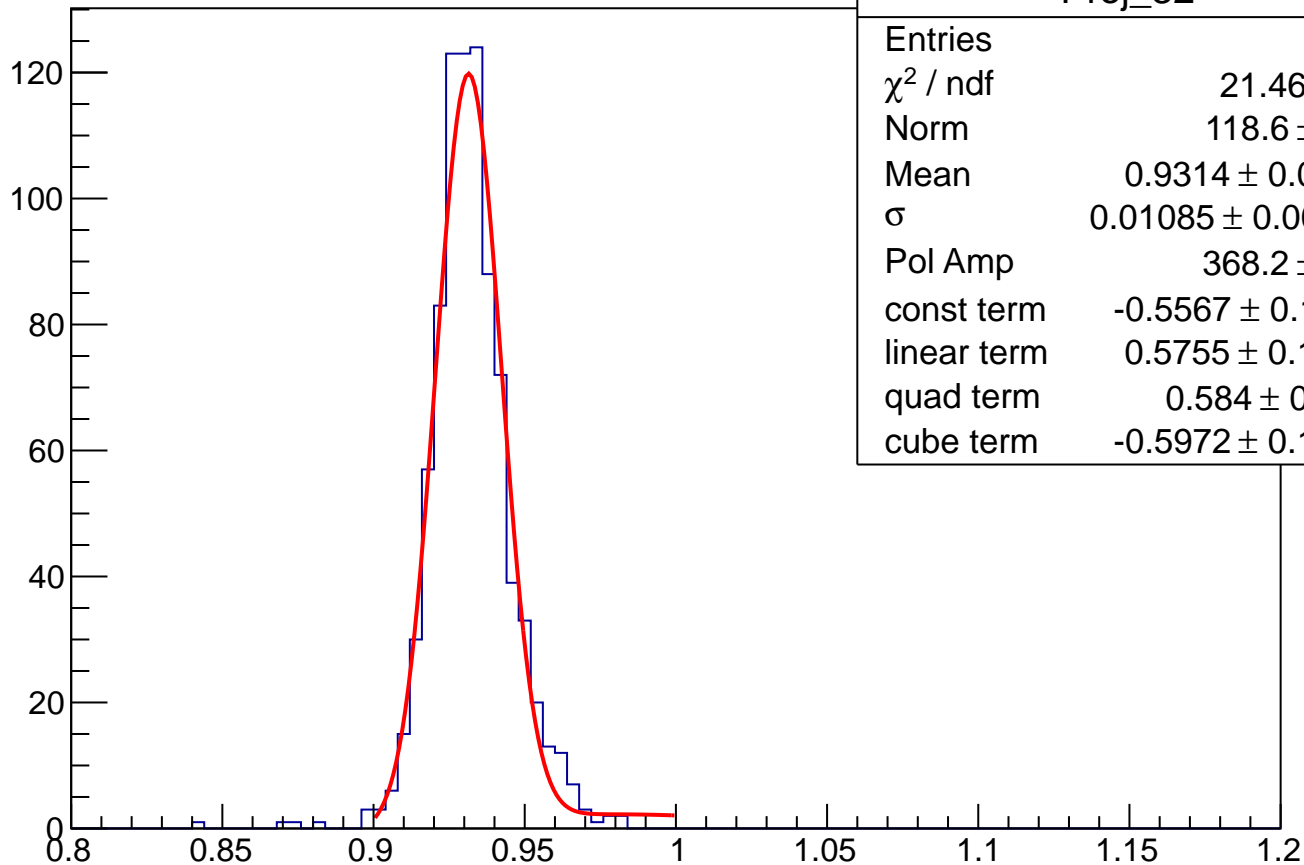
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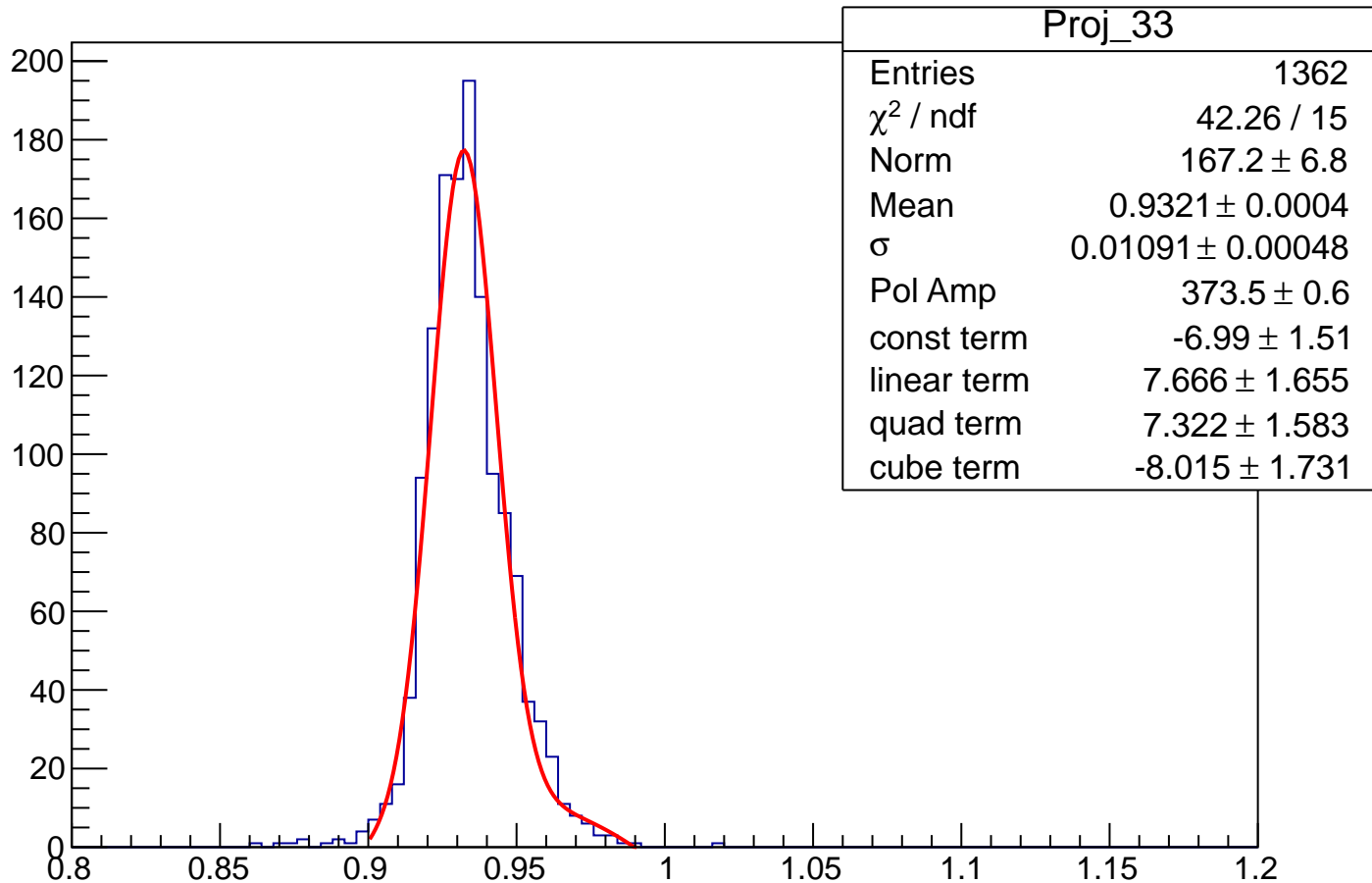
PhiThetaMassPip



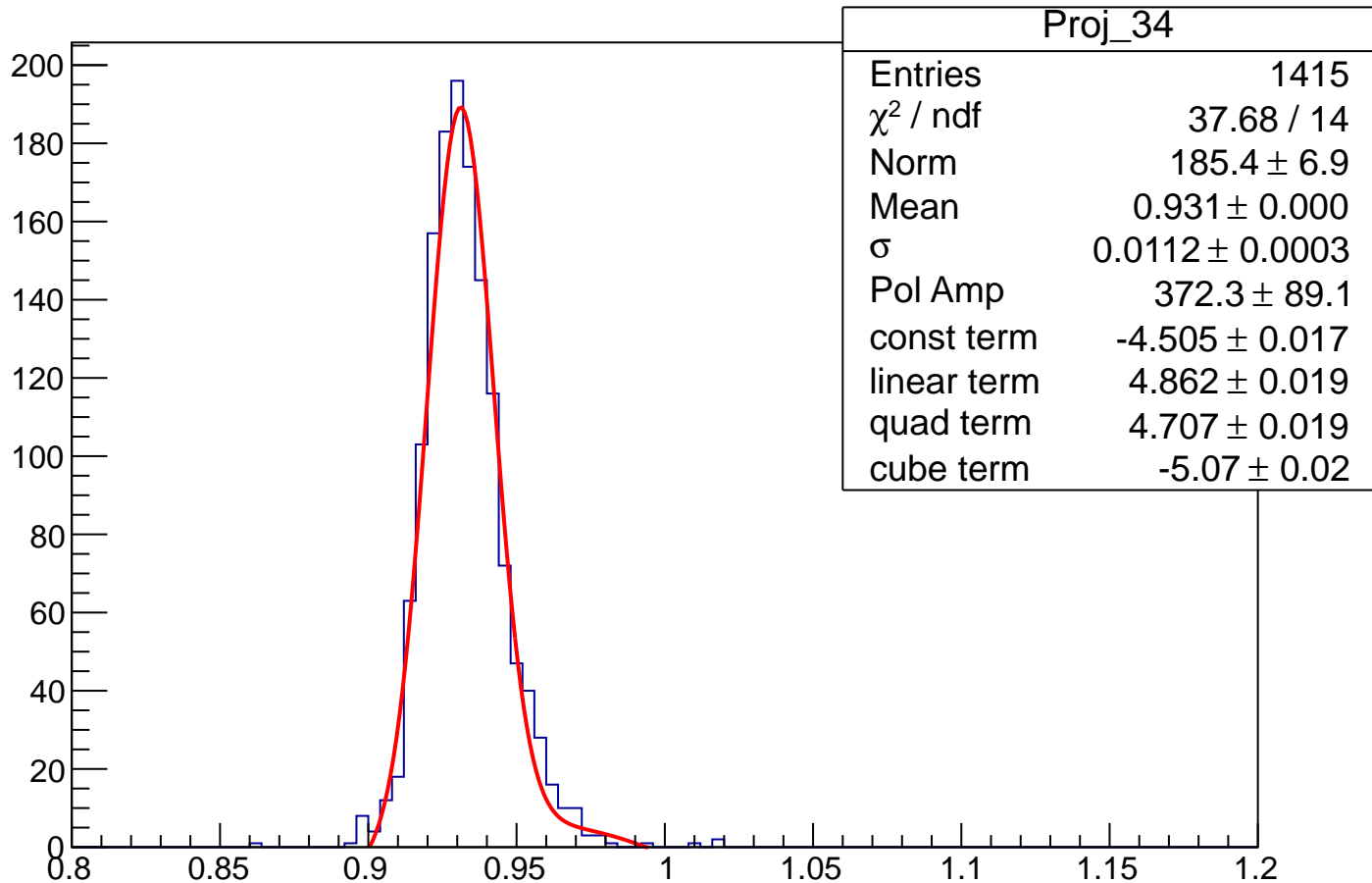
PhiThetaMassPip



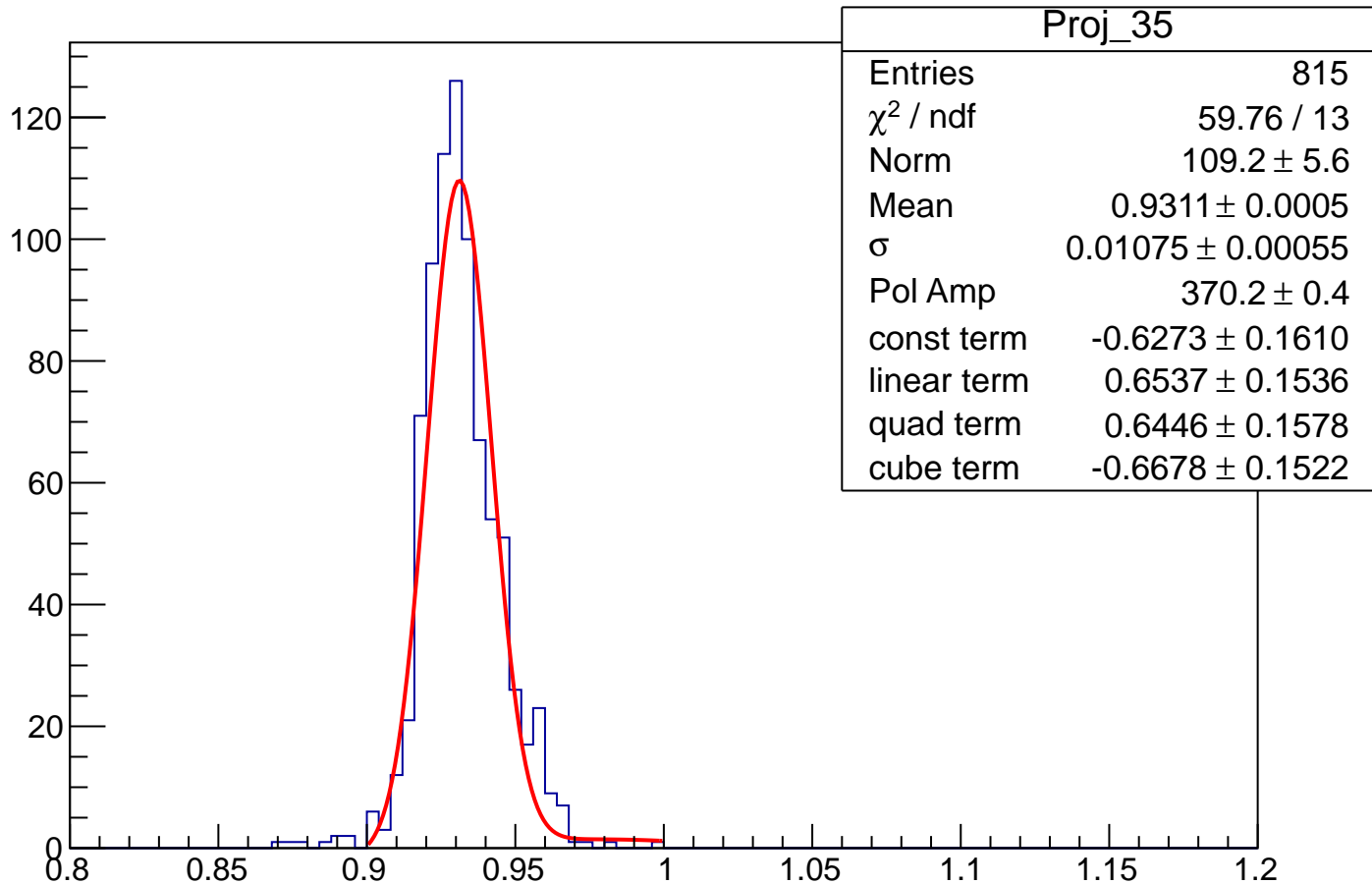
PhiThetaMassPip



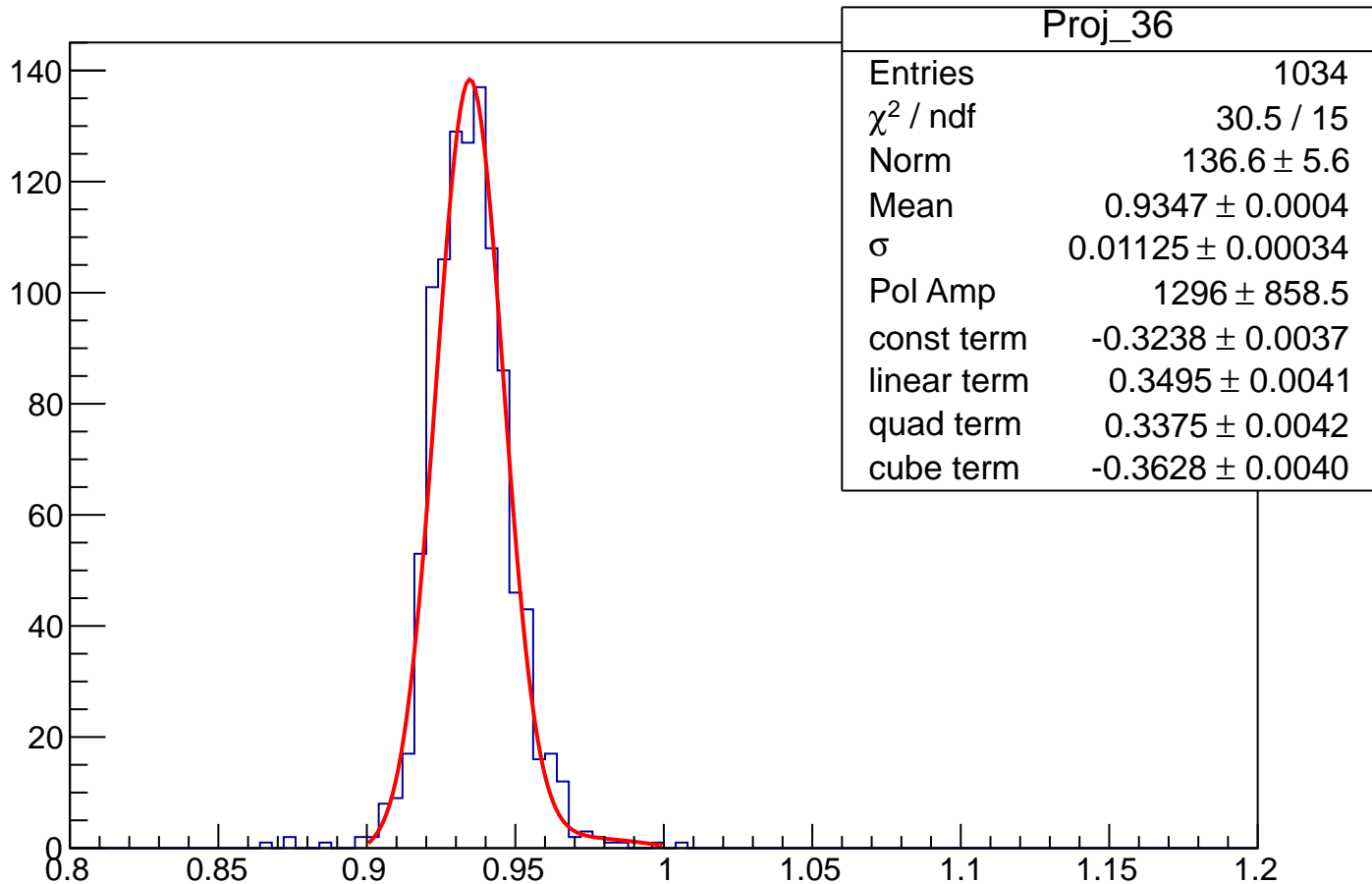
PhiThetaMassPip



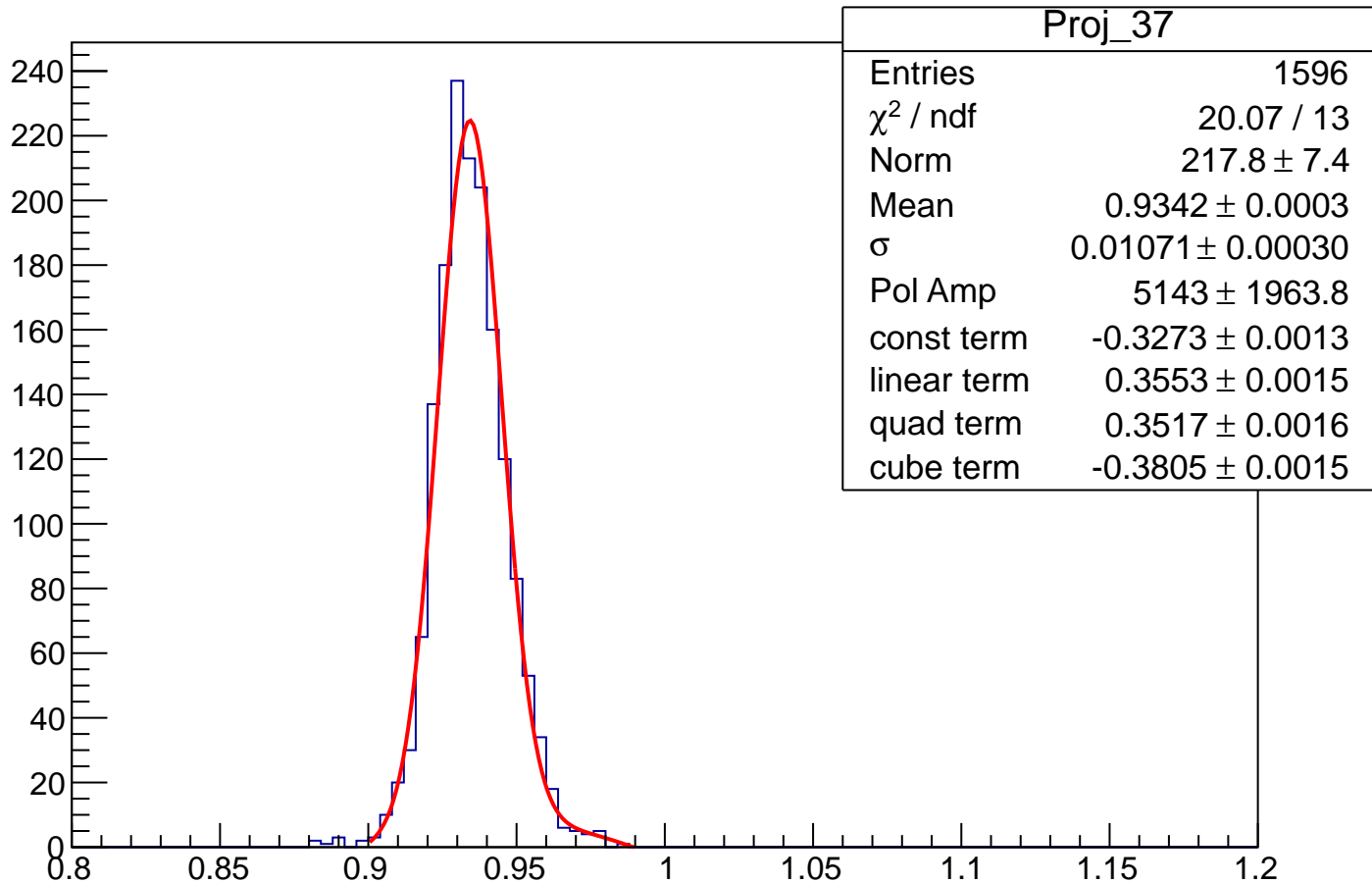
PhiThetaMassPip



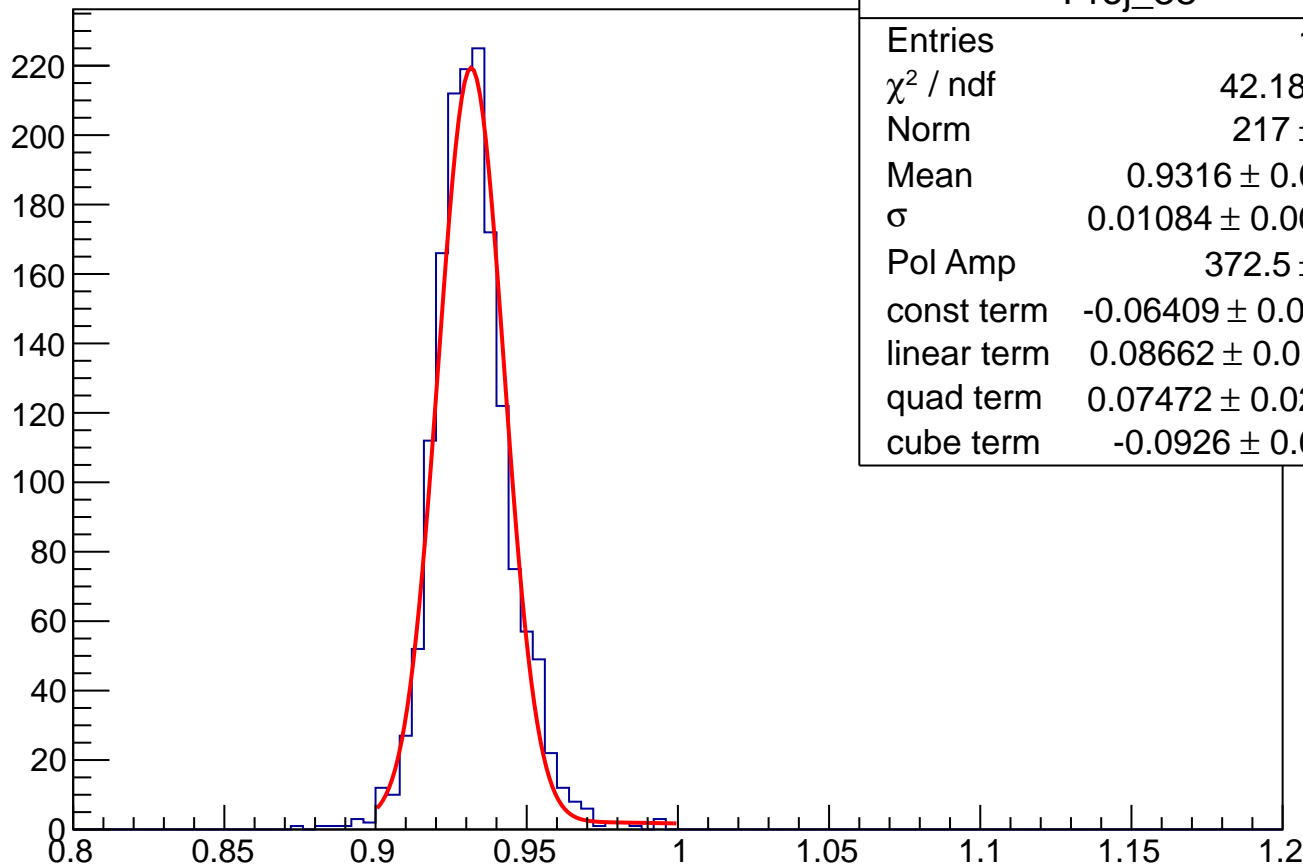
PhiThetaMassPip



PhiThetaMassPip



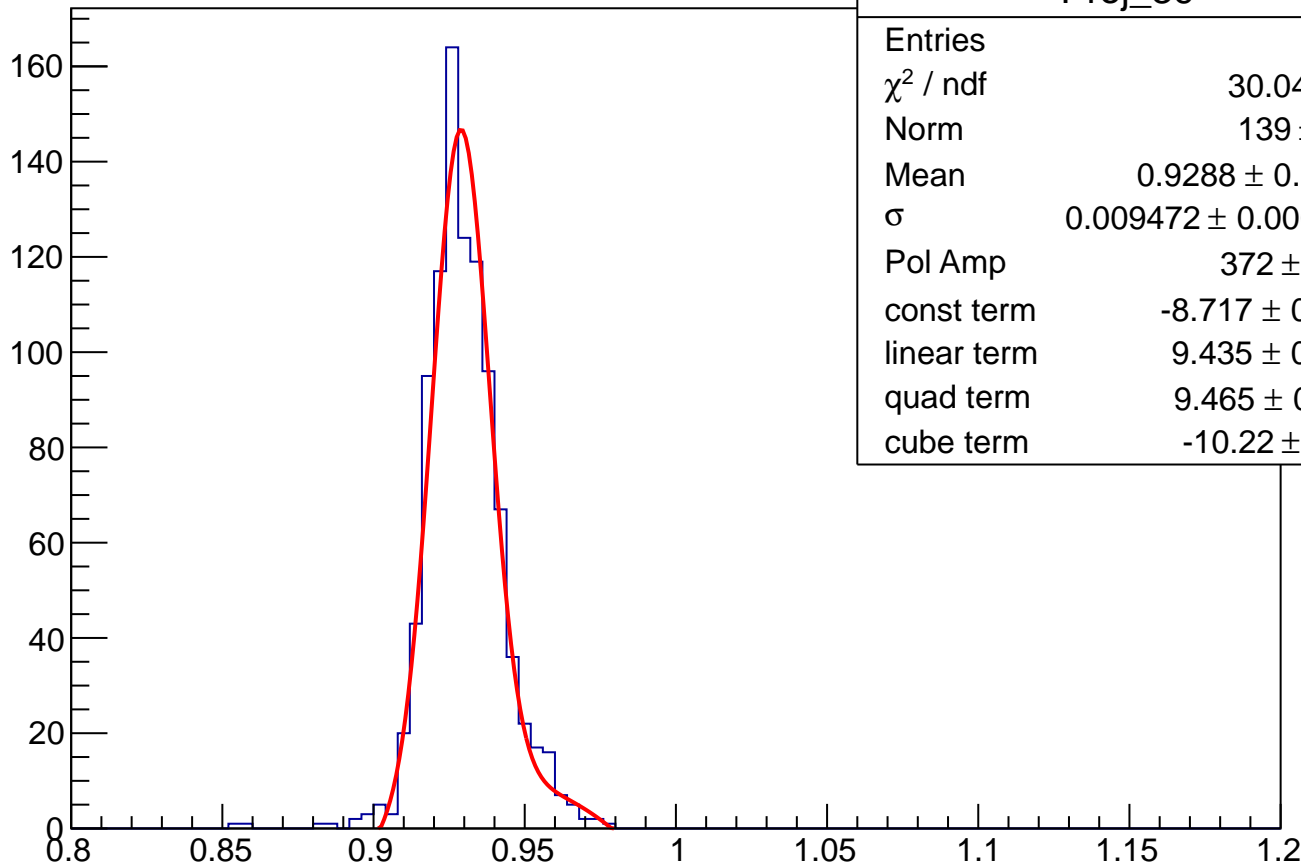
PhiThetaMassPip



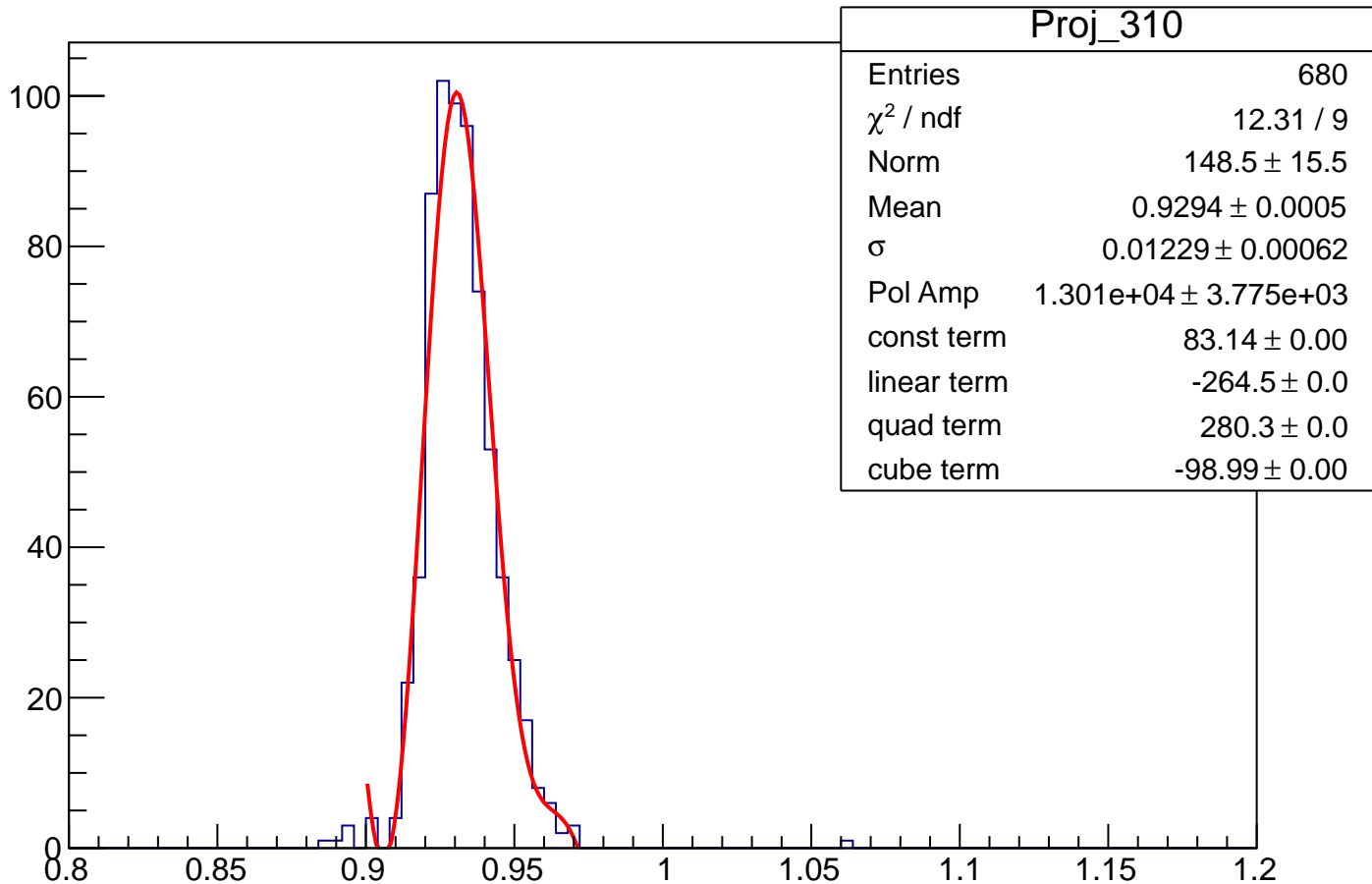
Proj_38

Entries	1576
χ^2 / ndf	42.18 / 15
Norm	217 ± 7.6
Mean	0.9316 ± 0.0003
σ	0.01084 ± 0.00038
Pol Amp	372.5 ± 0.2
const term	-0.06409 ± 0.04311
linear term	0.08662 ± 0.01187
quad term	0.07472 ± 0.02179
cube term	-0.0926 ± 0.0316

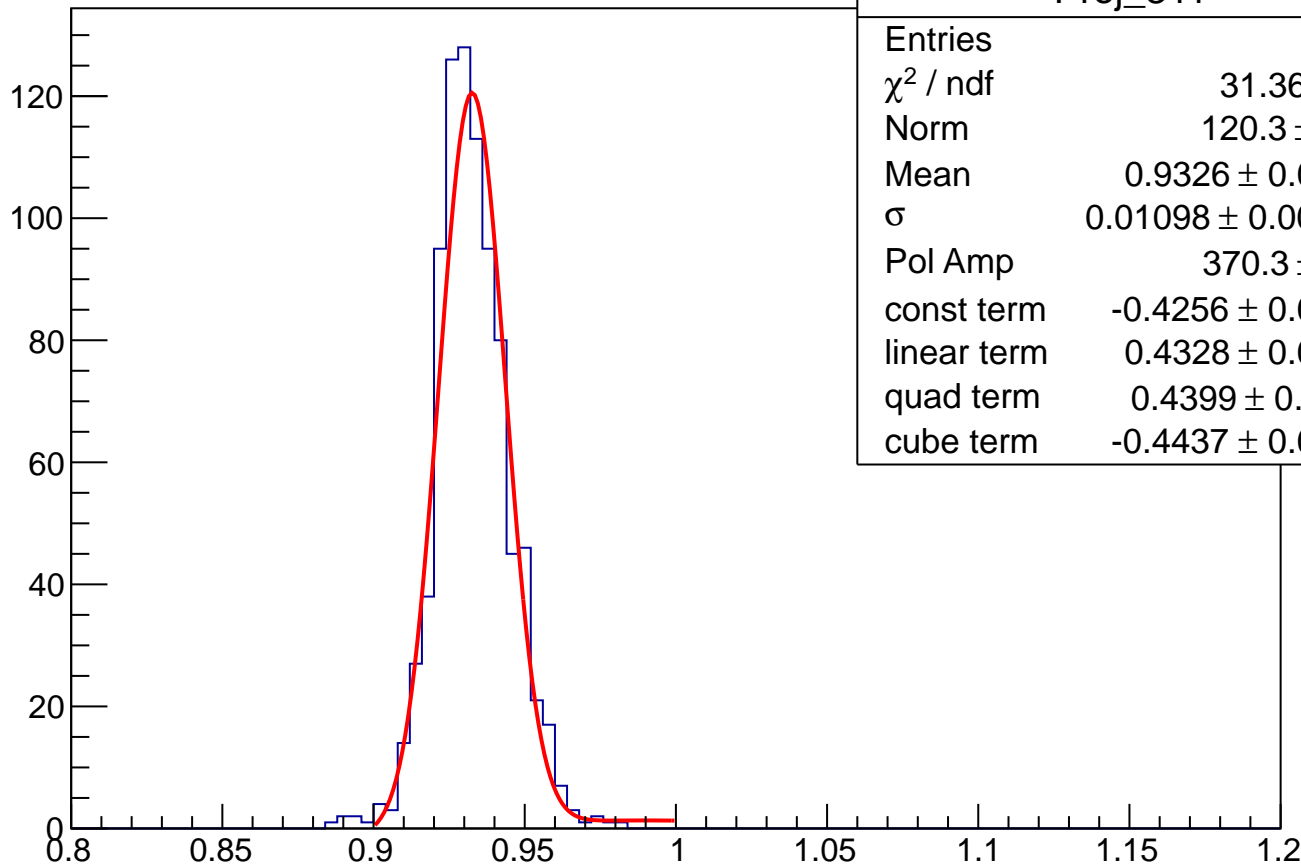
PhiThetaMassPip



PhiThetaMassPip



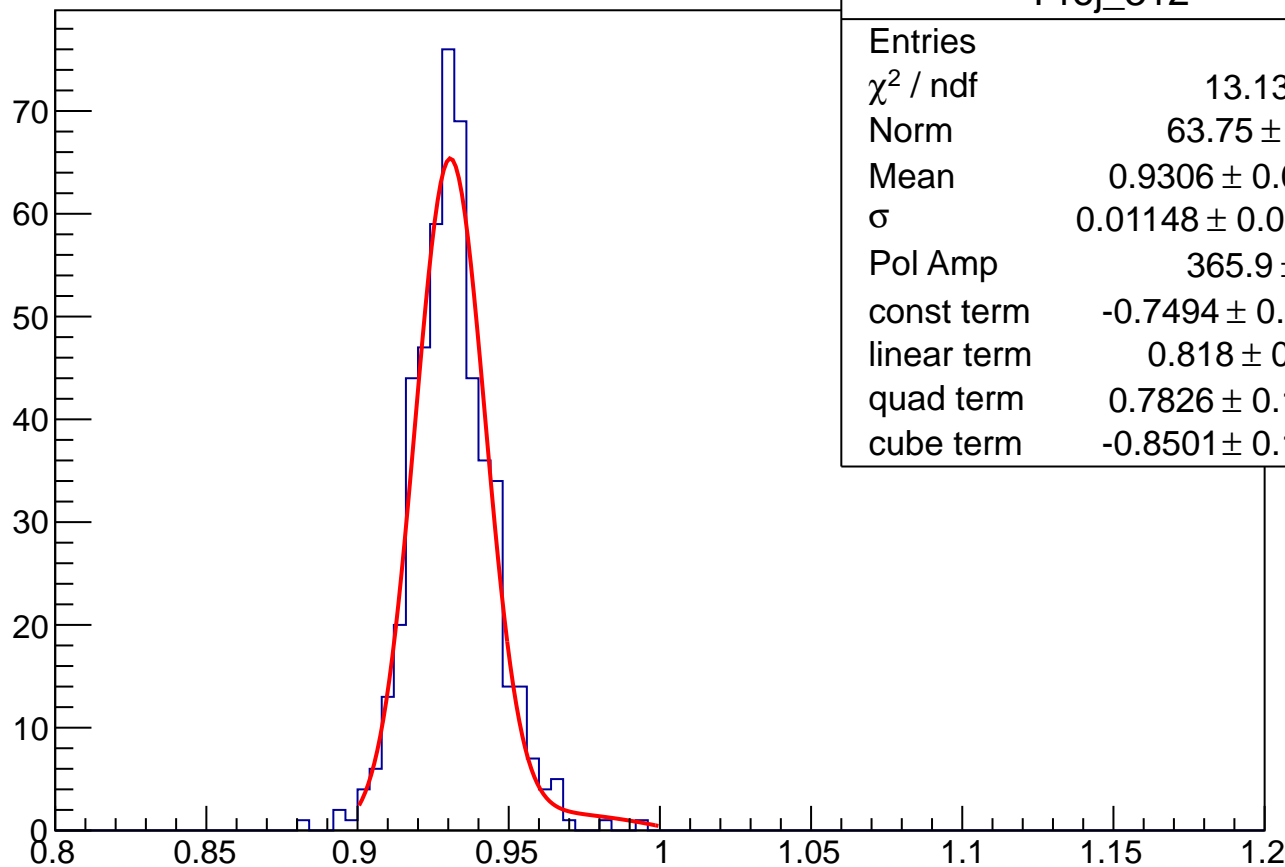
PhiThetaMassPip



Proj_311

Entries	873
χ^2 / ndf	31.36 / 13
Norm	120.3 ± 5.5
Mean	0.9326 ± 0.0004
σ	0.01098 ± 0.00048
Pol Amp	370.3 ± 0.3
const term	-0.4256 ± 0.0967
linear term	0.4328 ± 0.0832
quad term	0.4399 ± 0.0911
cube term	-0.4437 ± 0.0815

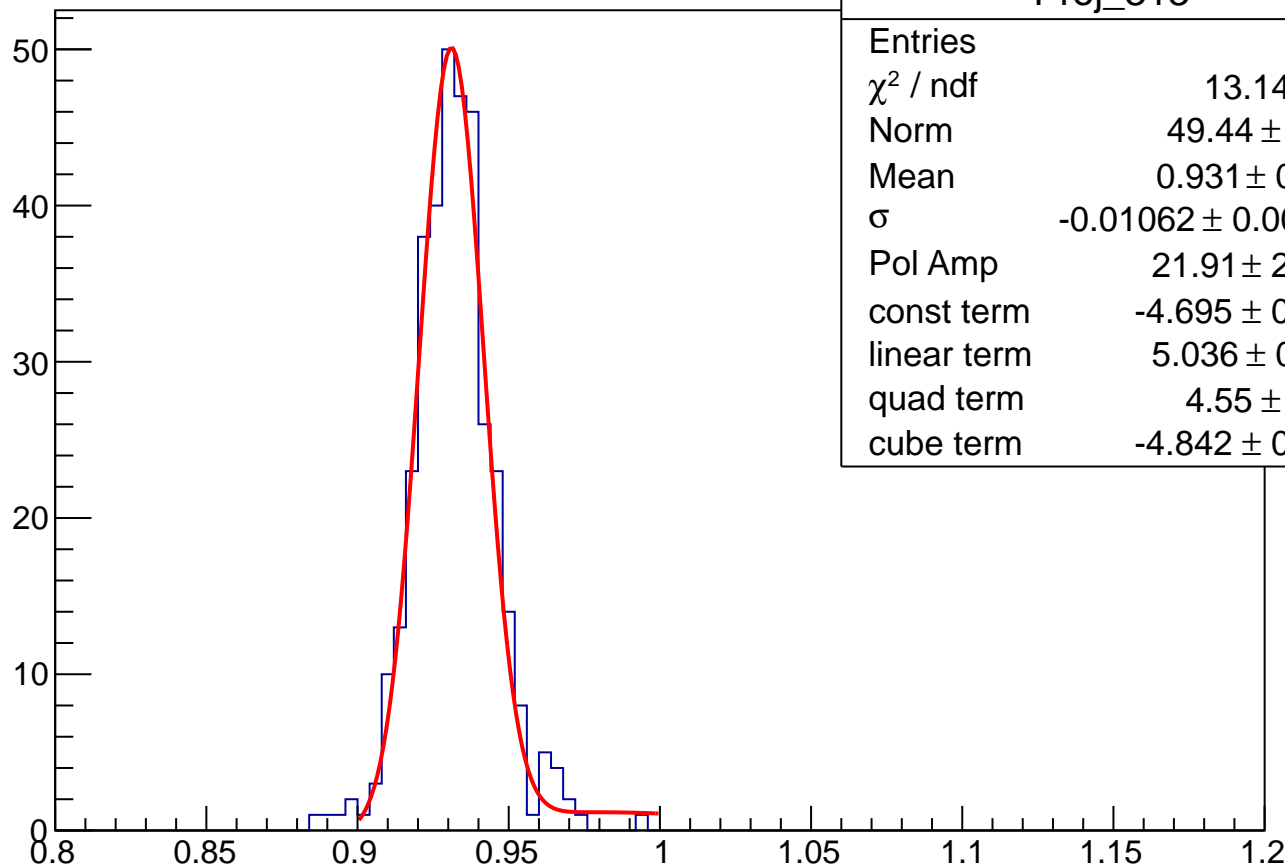
PhiThetaMassPip



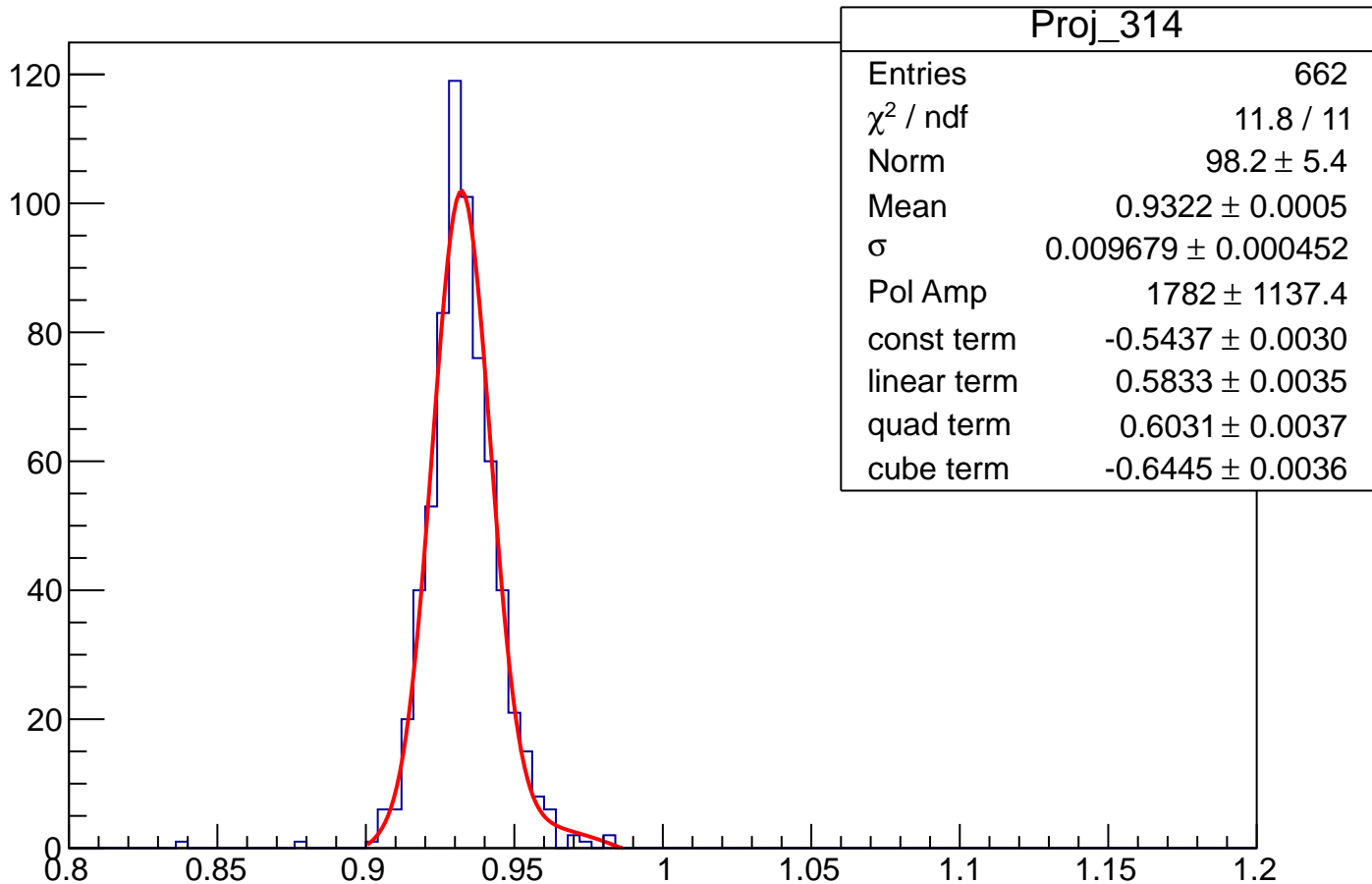
Proj_312

Entries	503
χ^2 / ndf	13.13 / 12
Norm	63.75 ± 3.98
Mean	0.9306 ± 0.0006
σ	0.01148 ± 0.00081
Pol Amp	365.9 ± 0.7
const term	-0.7494 ± 0.1671
linear term	0.818 ± 0.157
quad term	0.7826 ± 0.1614
cube term	-0.8501 ± 0.1542

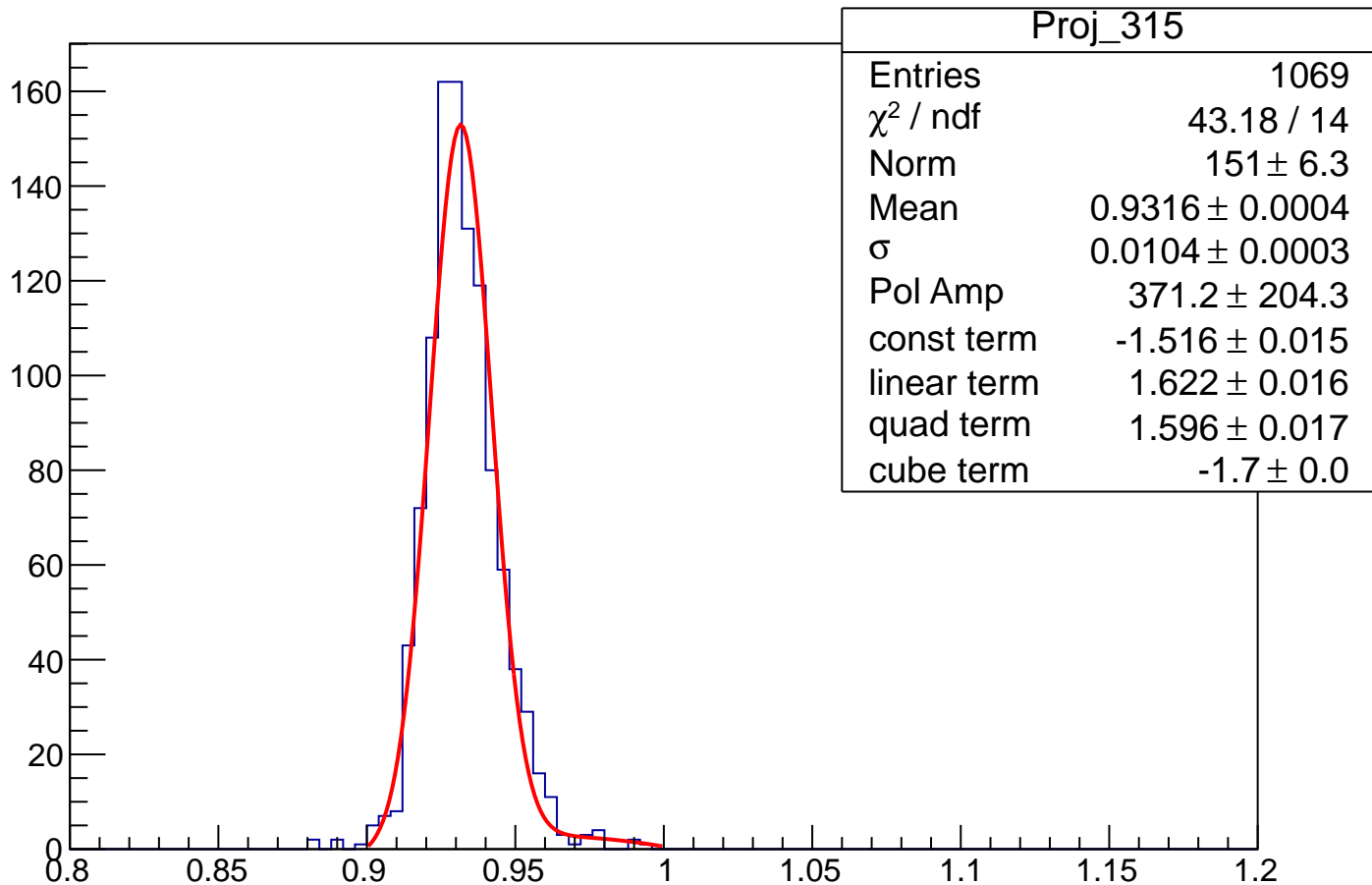
PhiThetaMassPip



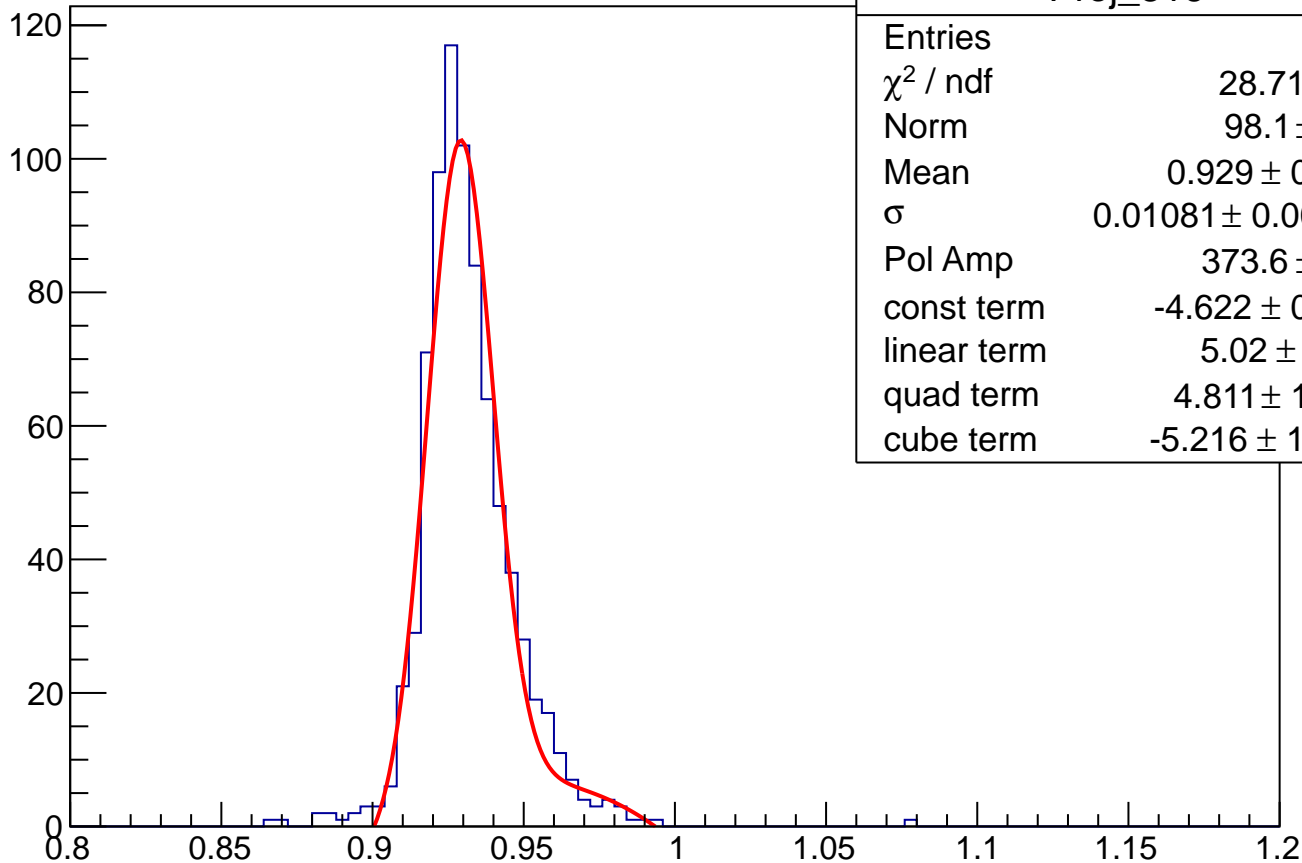
PhiThetaMassPip



PhiThetaMassPip



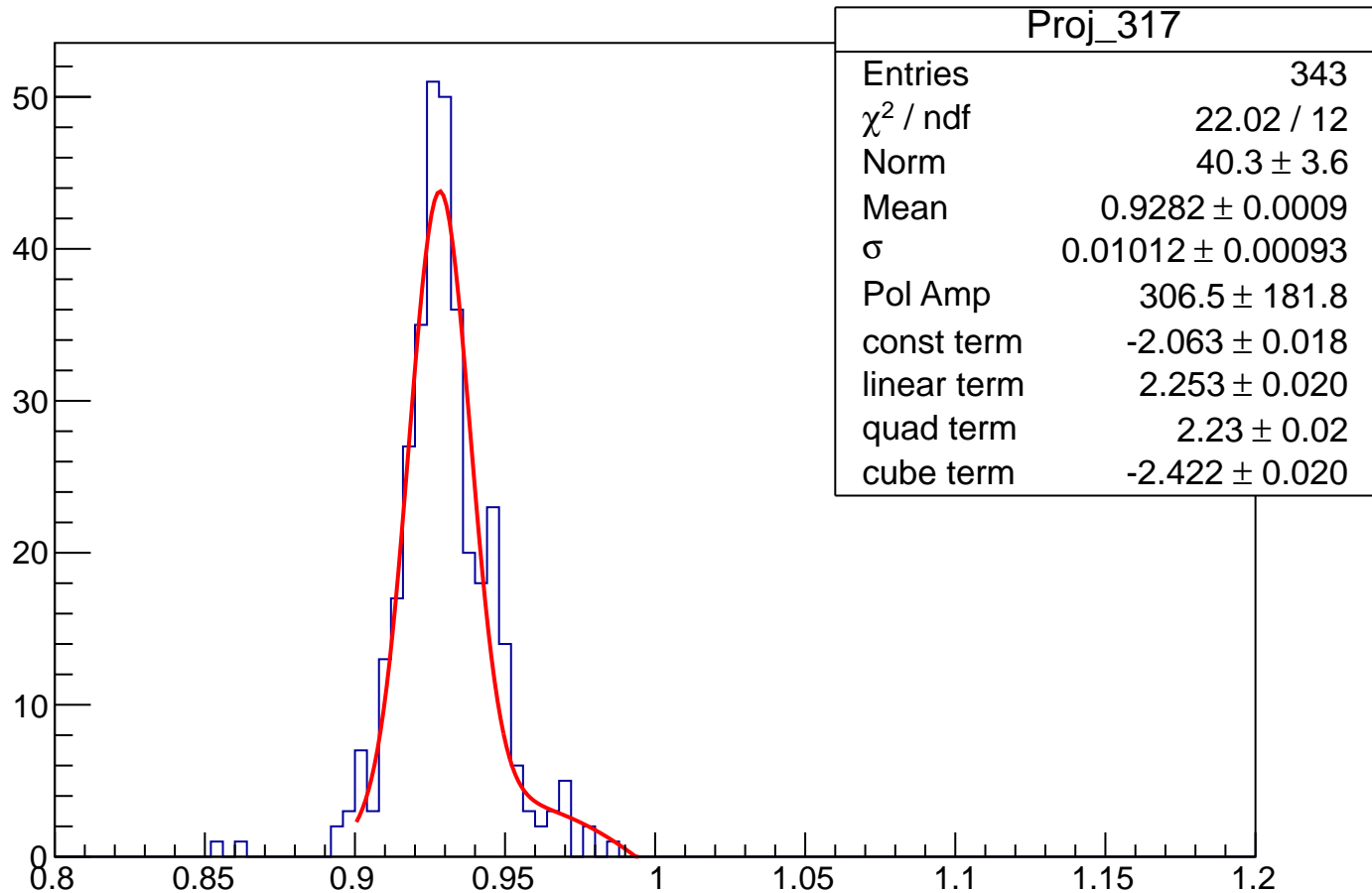
PhiThetaMassPip



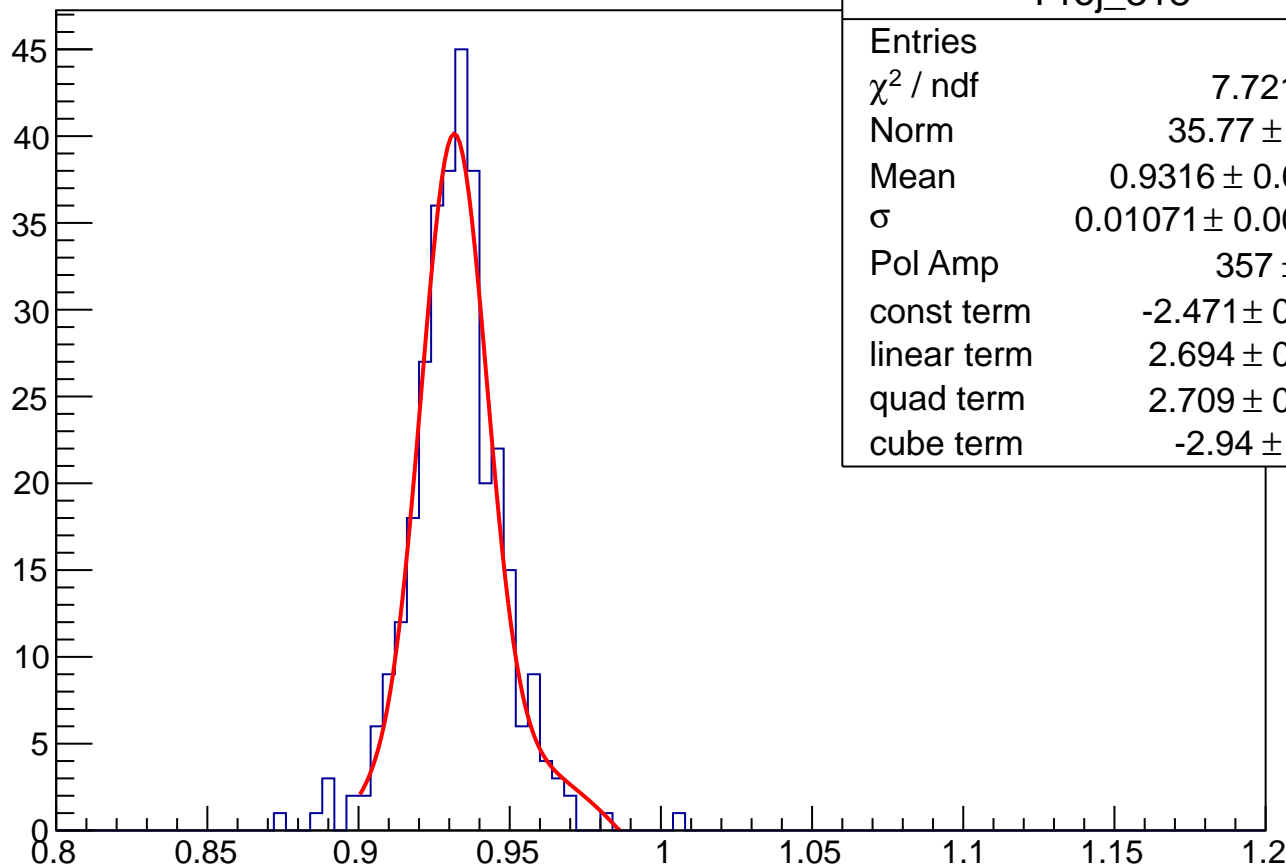
Proj_316

Entries	793
χ^2 / ndf	28.71 / 16
Norm	98.1 ± 5.4
Mean	0.929 ± 0.001
σ	0.01081 ± 0.00071
Pol Amp	373.6 ± 1.0
const term	-4.622 ± 0.961
linear term	5.02 ± 1.04
quad term	4.811 ± 1.001
cube term	-5.216 ± 1.088

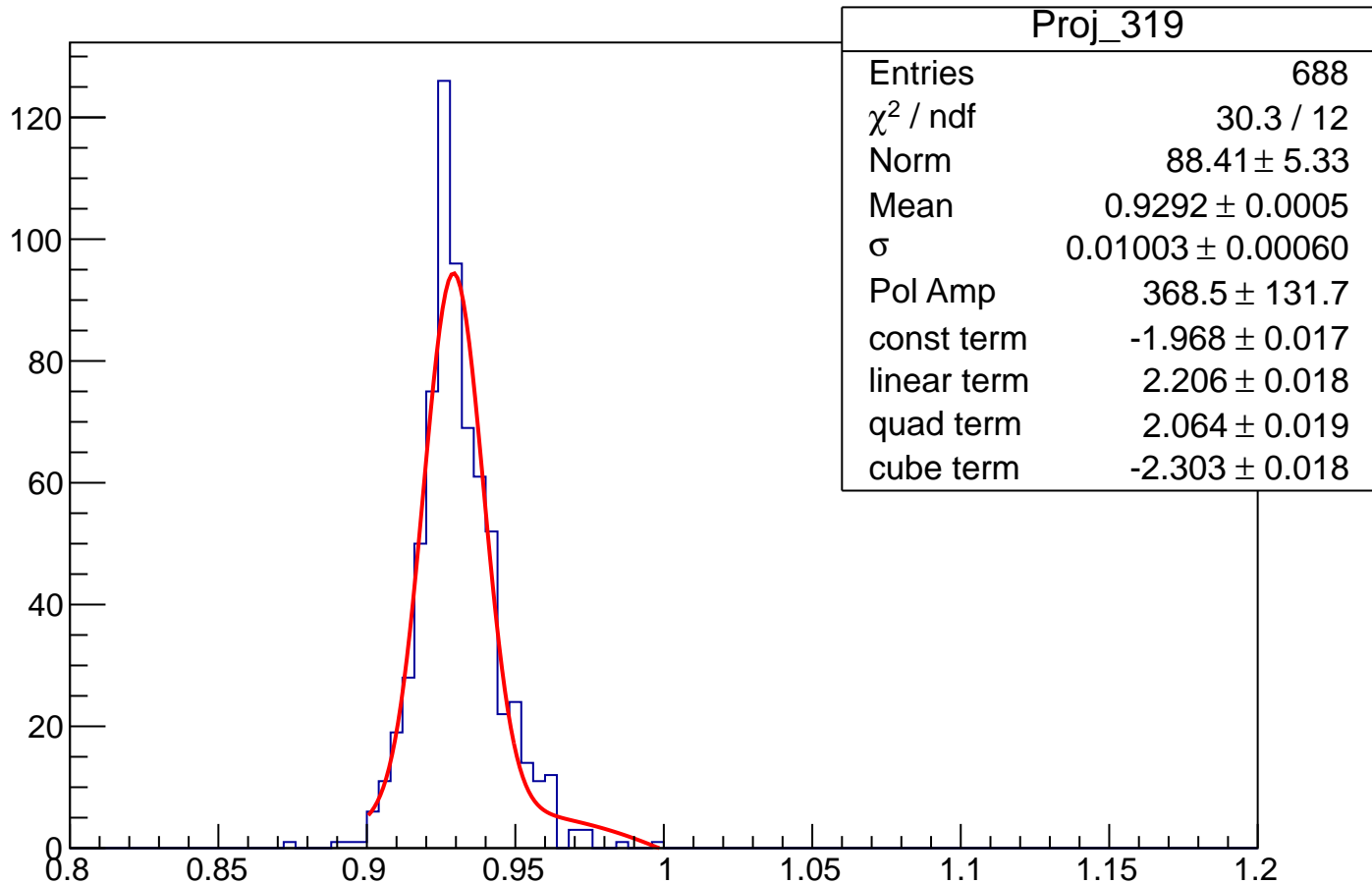
PhiThetaMassPip



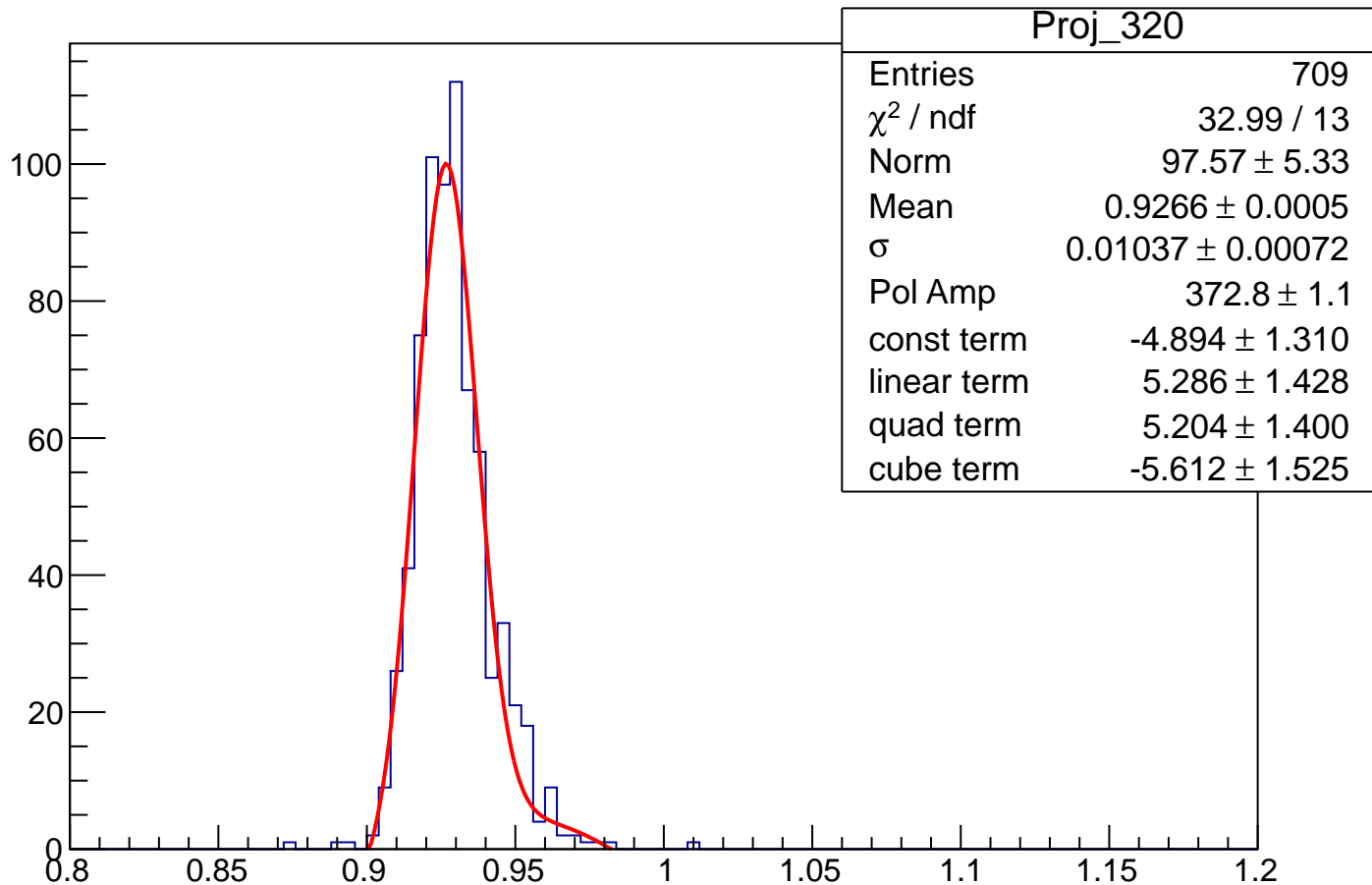
PhiThetaMassPip



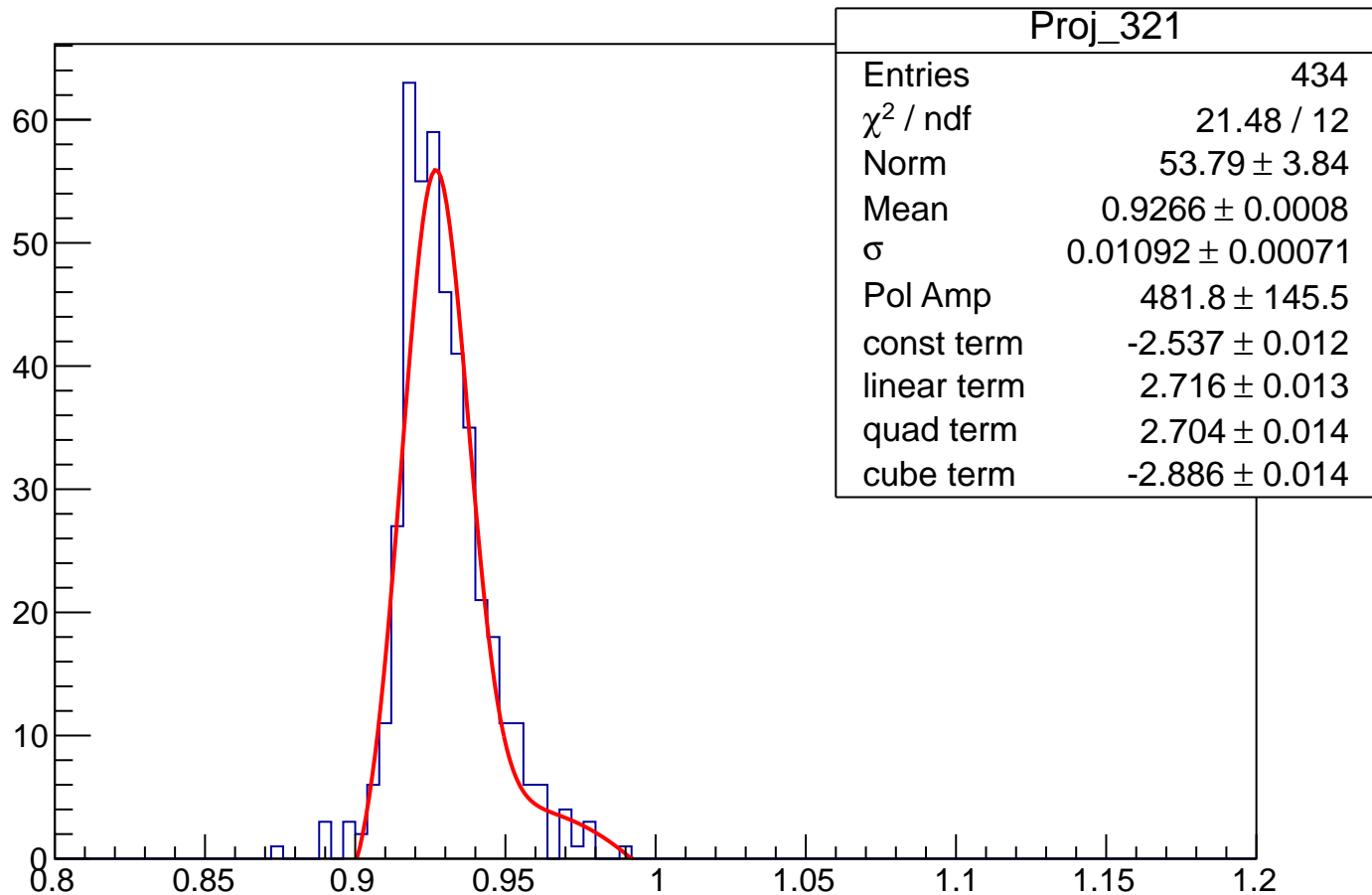
PhiThetaMassPip



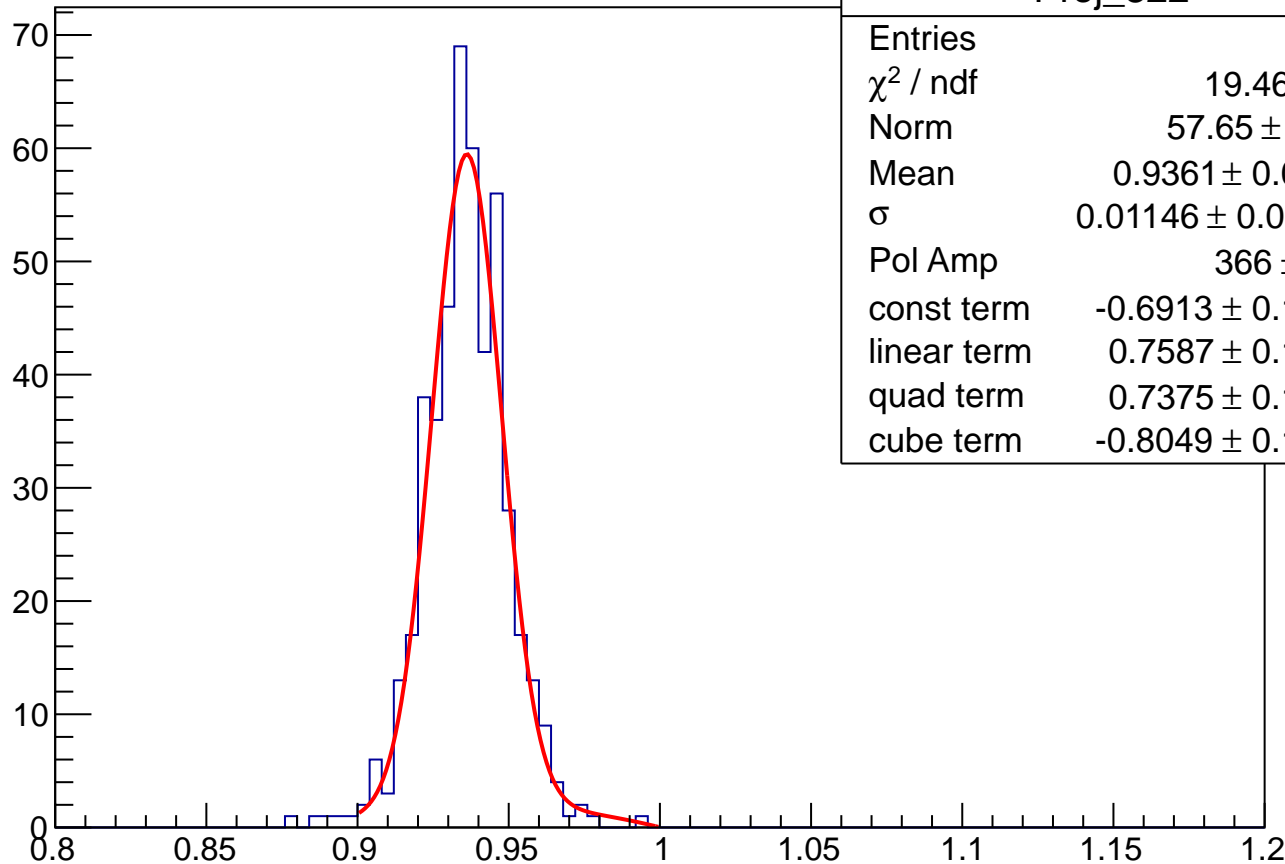
PhiThetaMassPip



PhiThetaMassPip



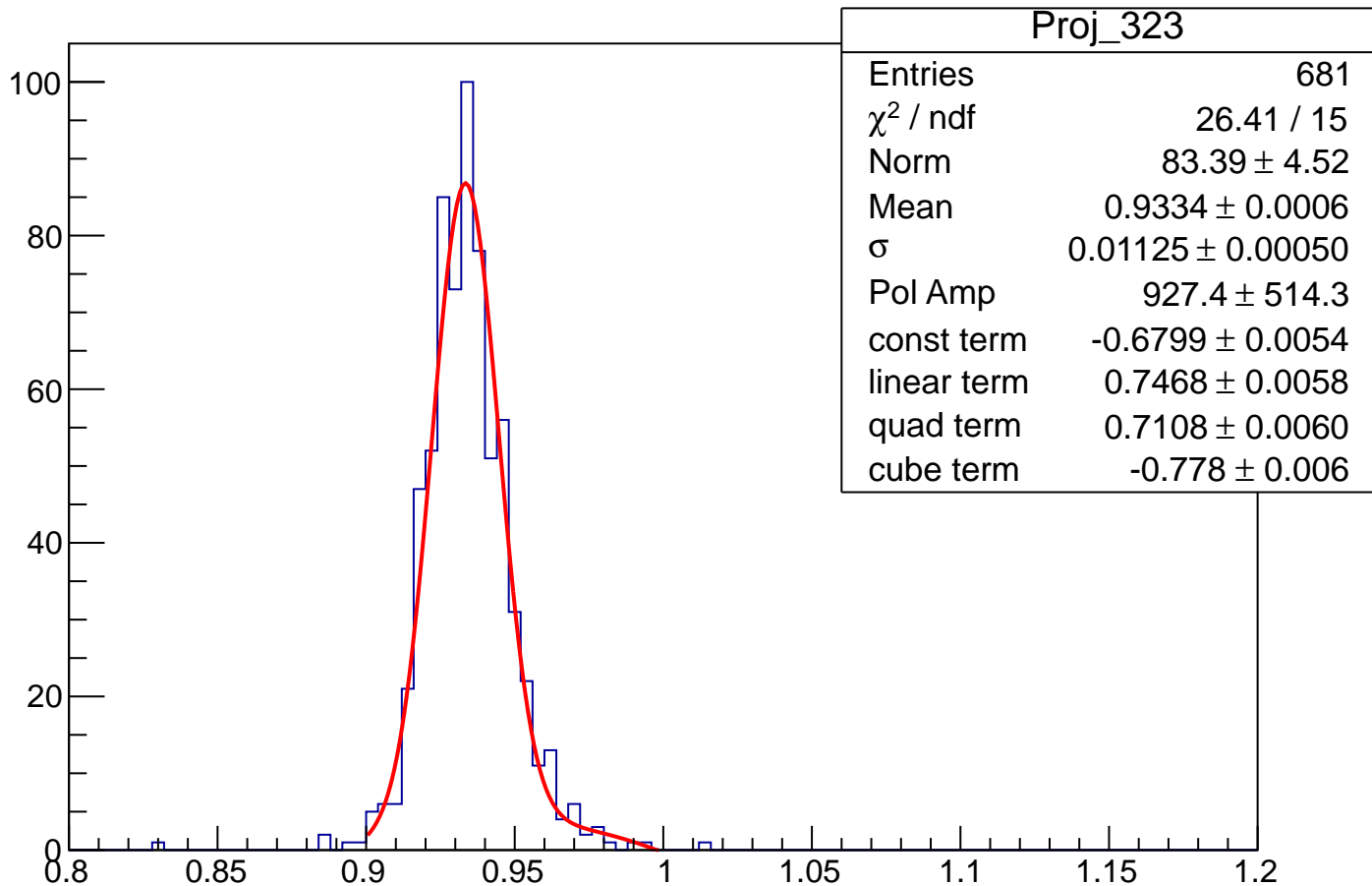
PhiThetaMassPip



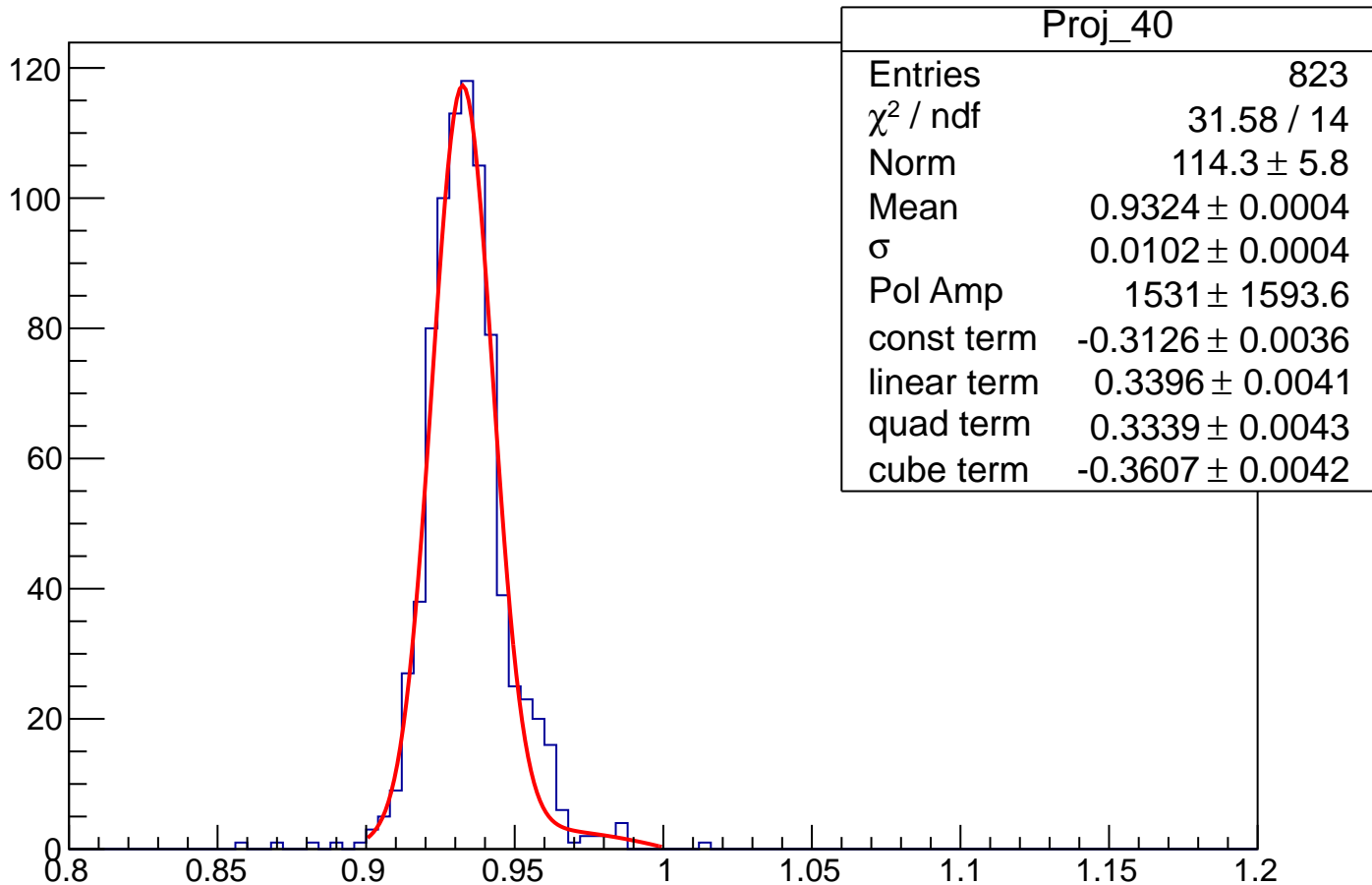
Proj_322

Entries	469
χ^2 / ndf	19.46 / 13
Norm	57.65 ± 3.62
Mean	0.9361 ± 0.0006
σ	0.01146 ± 0.00061
Pol Amp	366 ± 0.6
const term	-0.6913 ± 0.1719
linear term	0.7587 ± 0.1843
quad term	0.7375 ± 0.1838
cube term	-0.8049 ± 0.1985

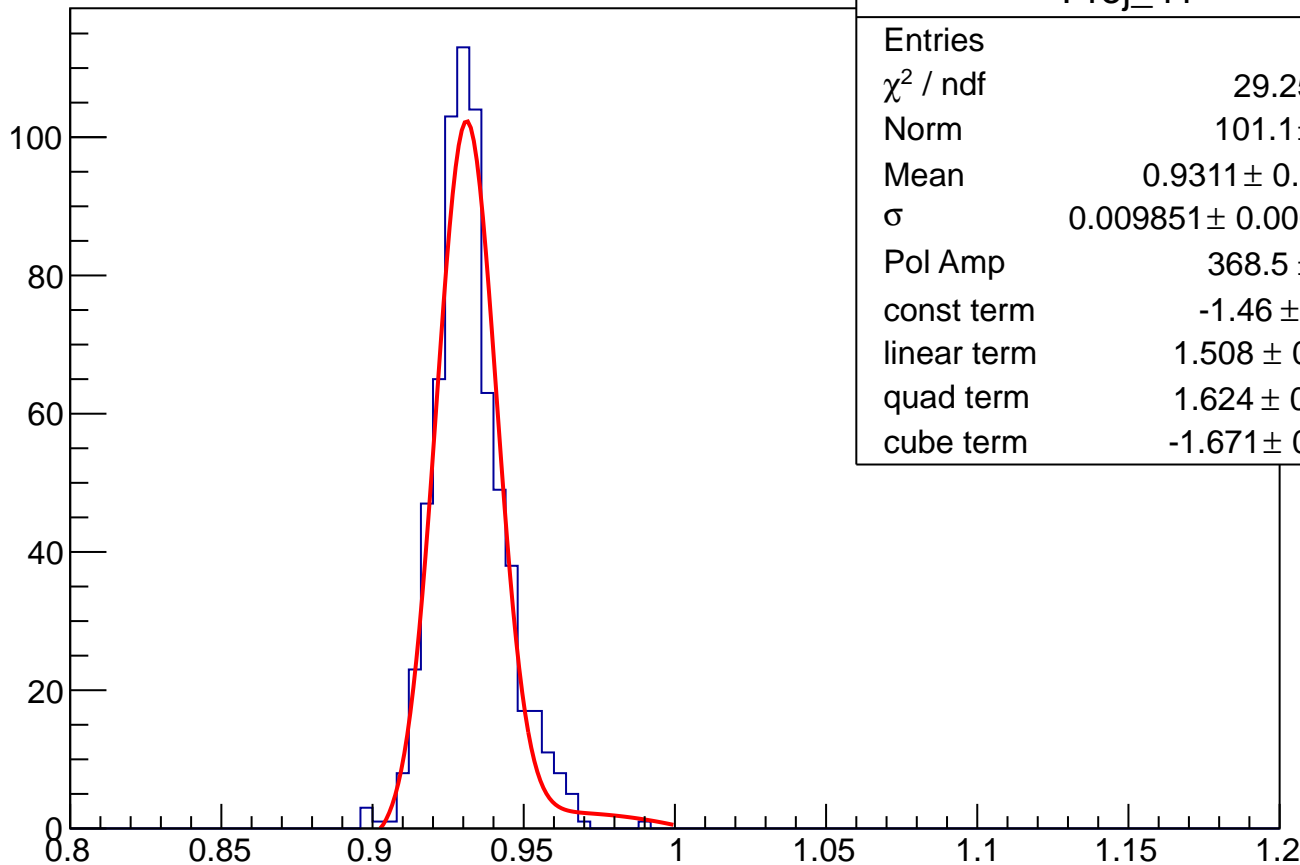
PhiThetaMassPip



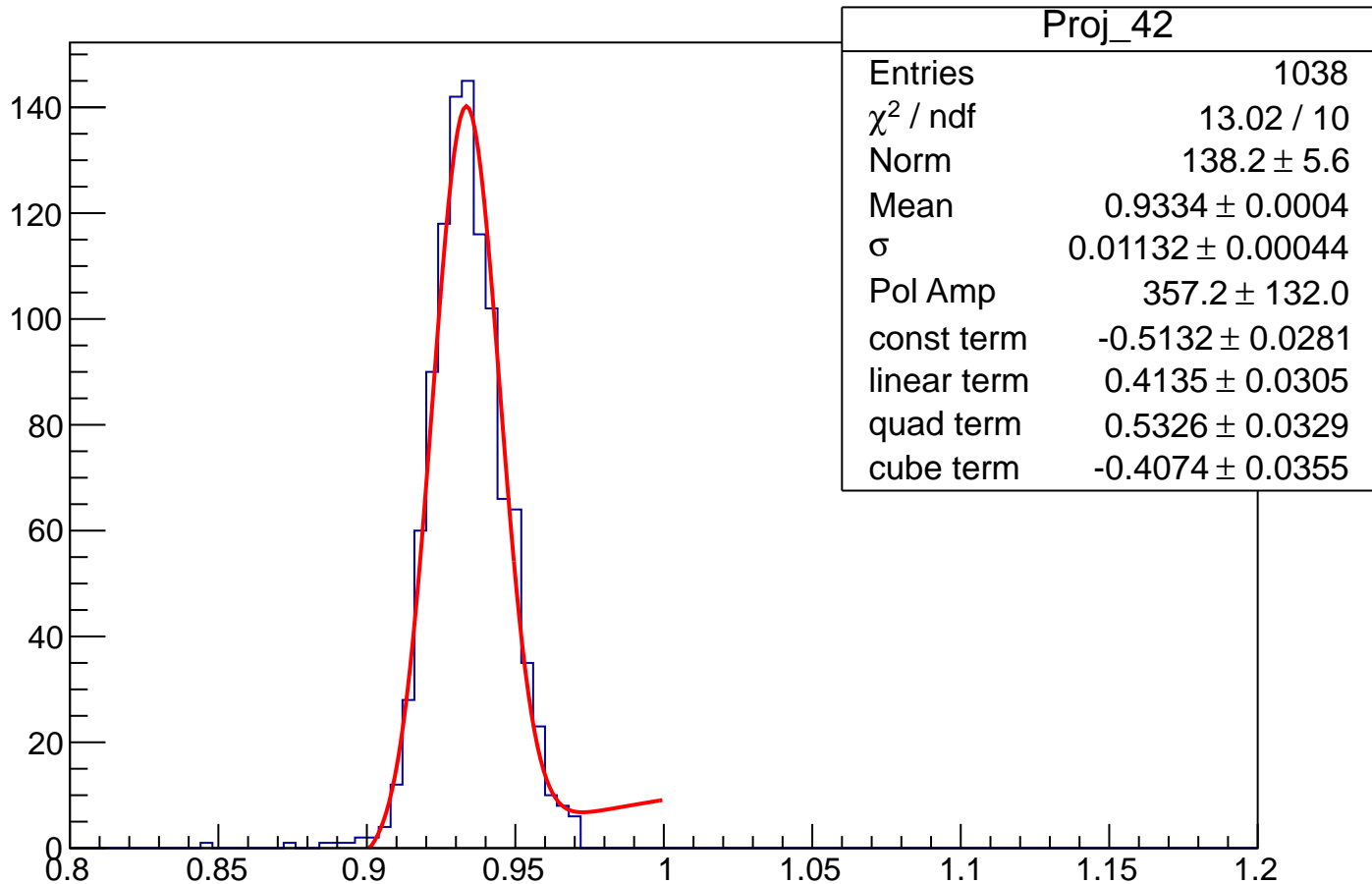
PhiThetaMassPip



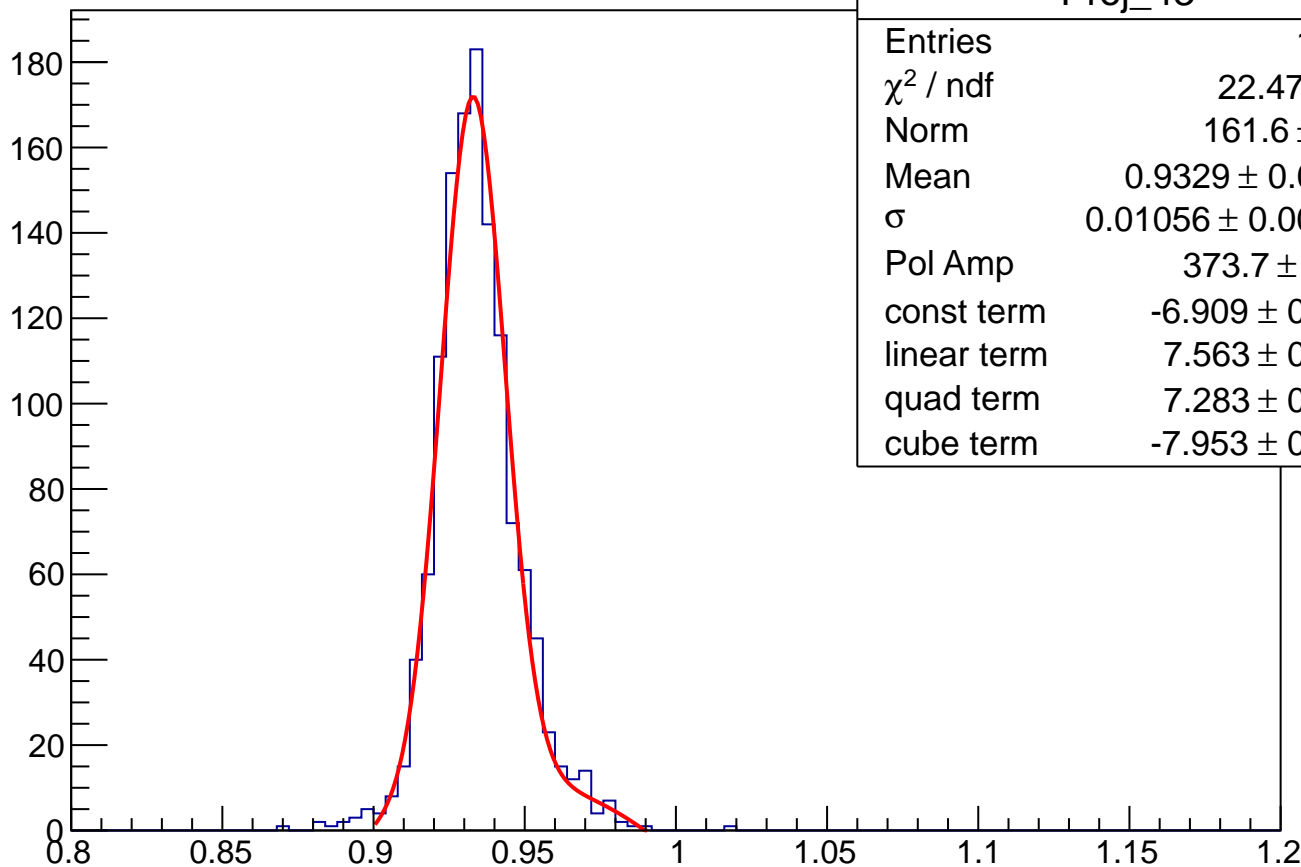
PhiThetaMassPip



PhiThetaMassPip



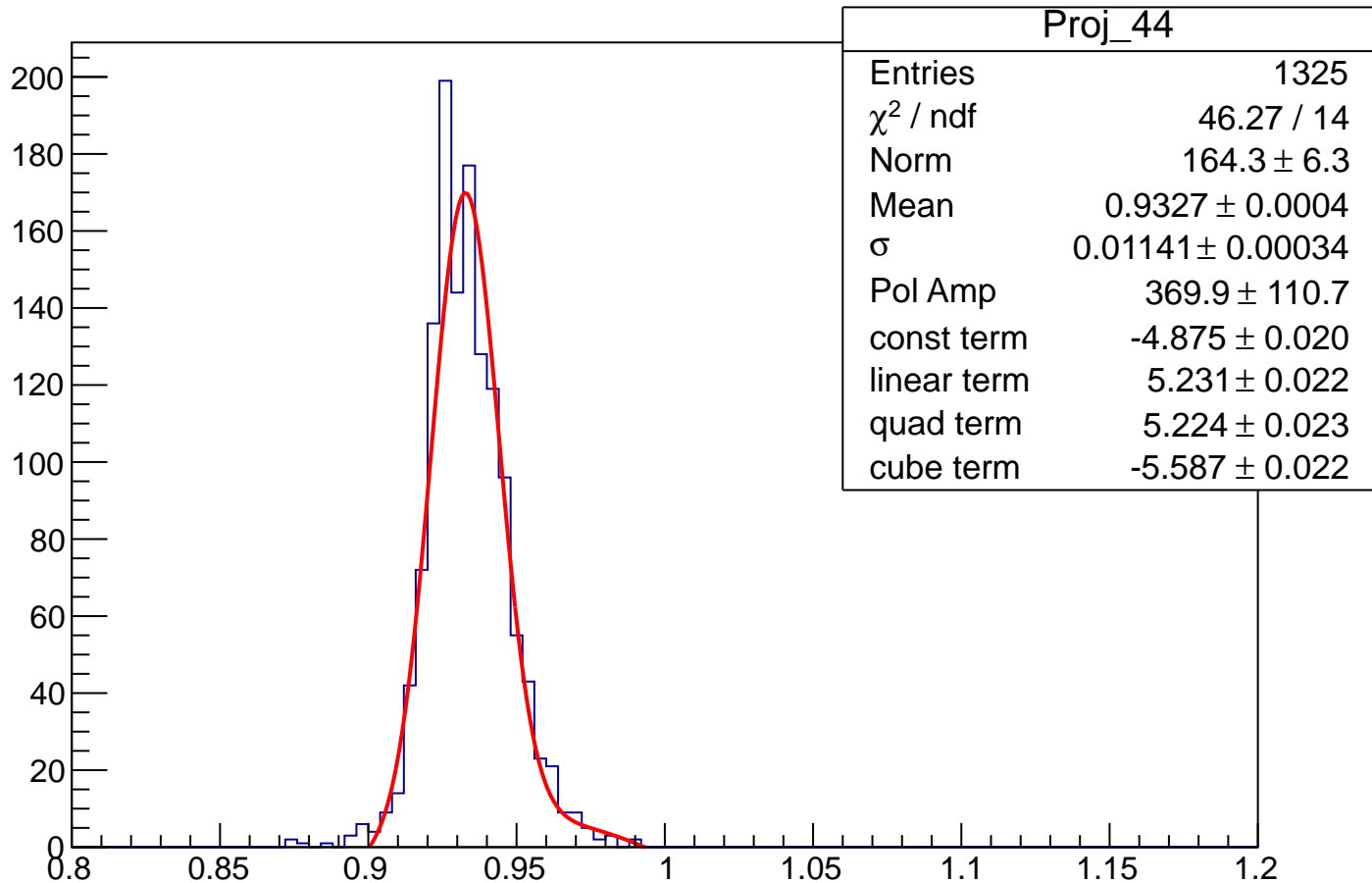
PhiThetaMassPip



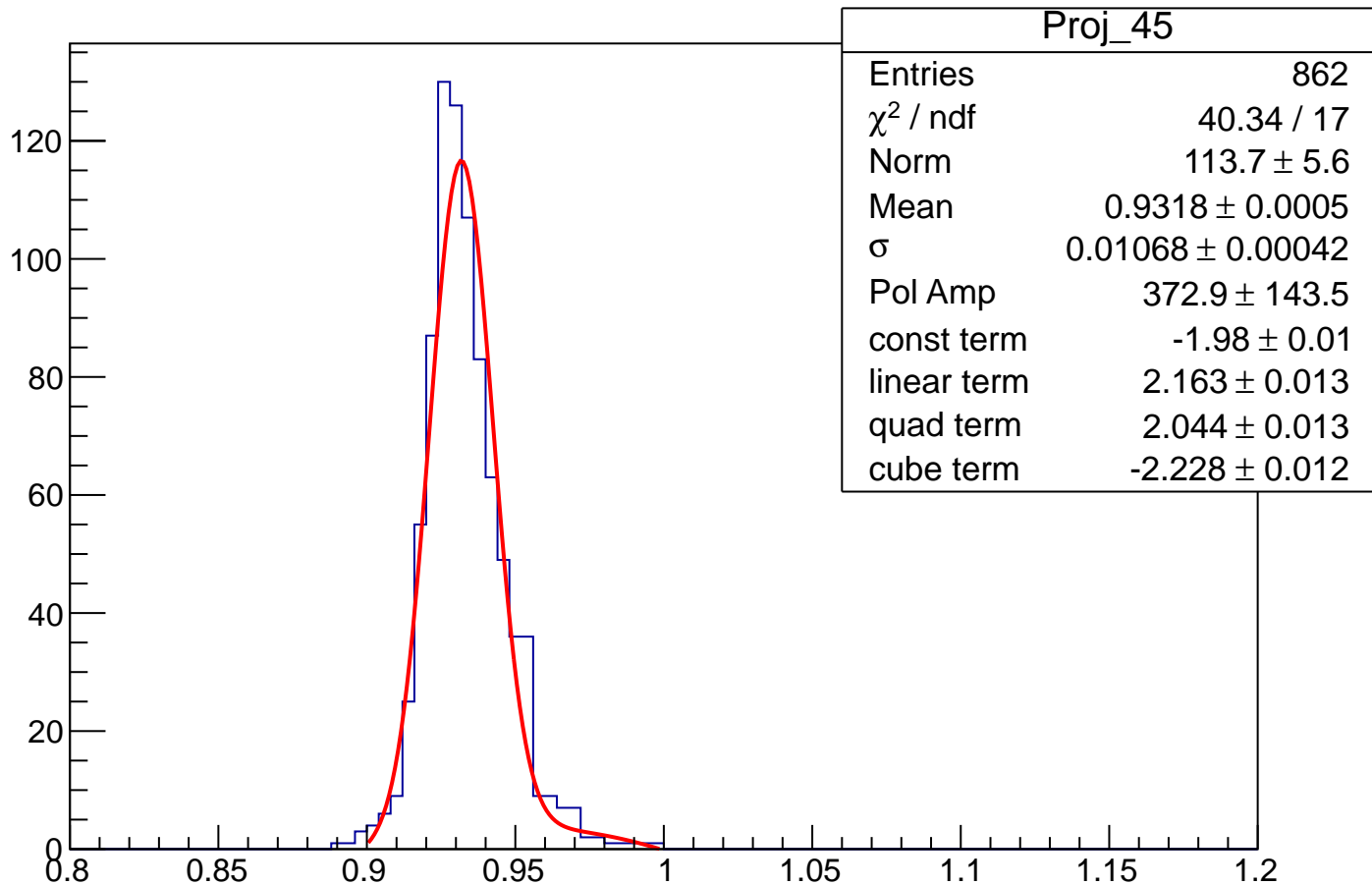
Proj_43

Entries	1273
χ^2 / ndf	22.47 / 15
Norm	161.6 ± 6.7
Mean	0.9329 ± 0.0004
σ	0.01056 ± 0.00038
Pol Amp	373.7 ± 79.5
const term	-6.909 ± 0.016
linear term	7.563 ± 0.018
quad term	7.283 ± 0.018
cube term	-7.953 ± 0.017

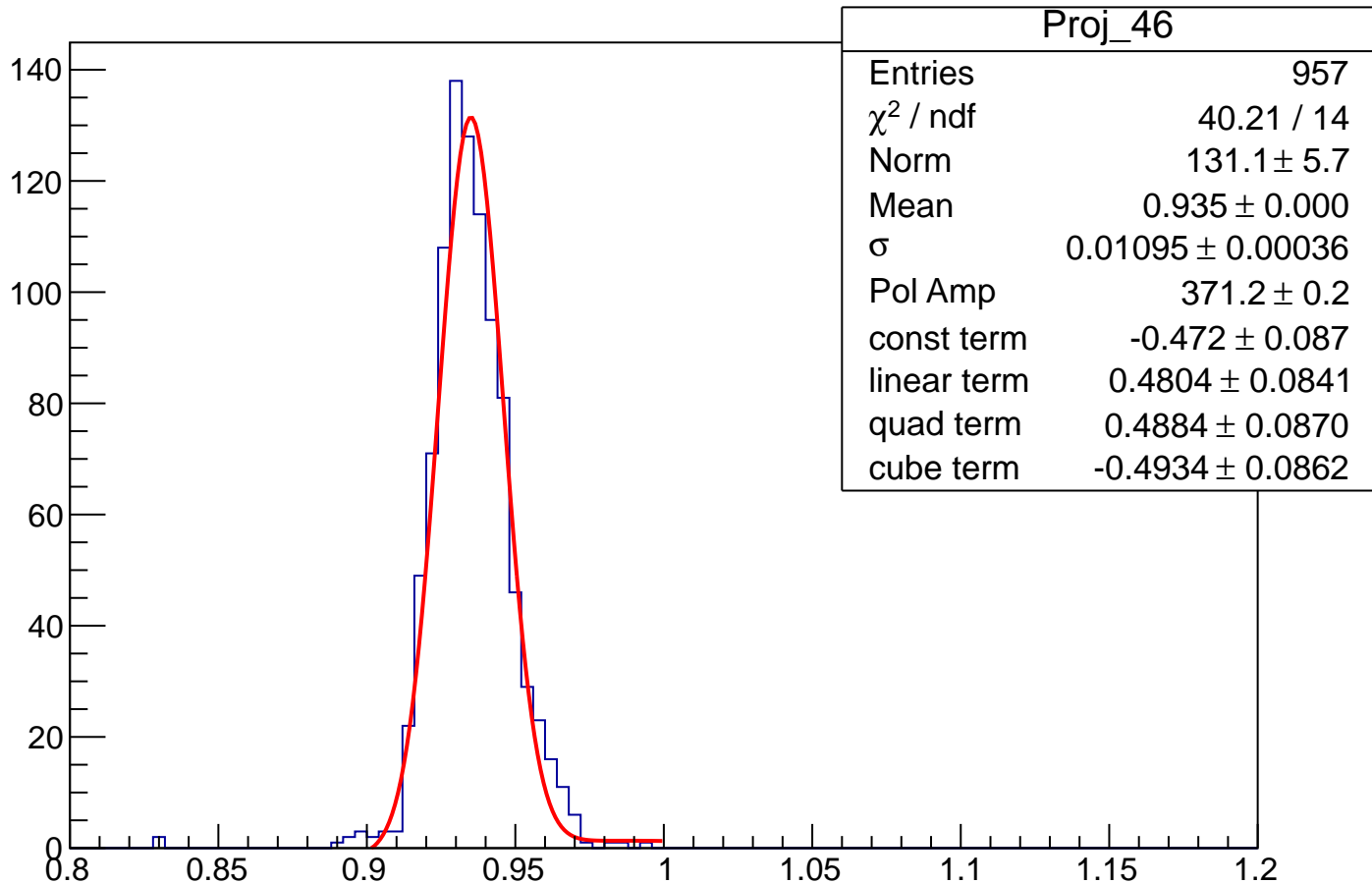
PhiThetaMassPip



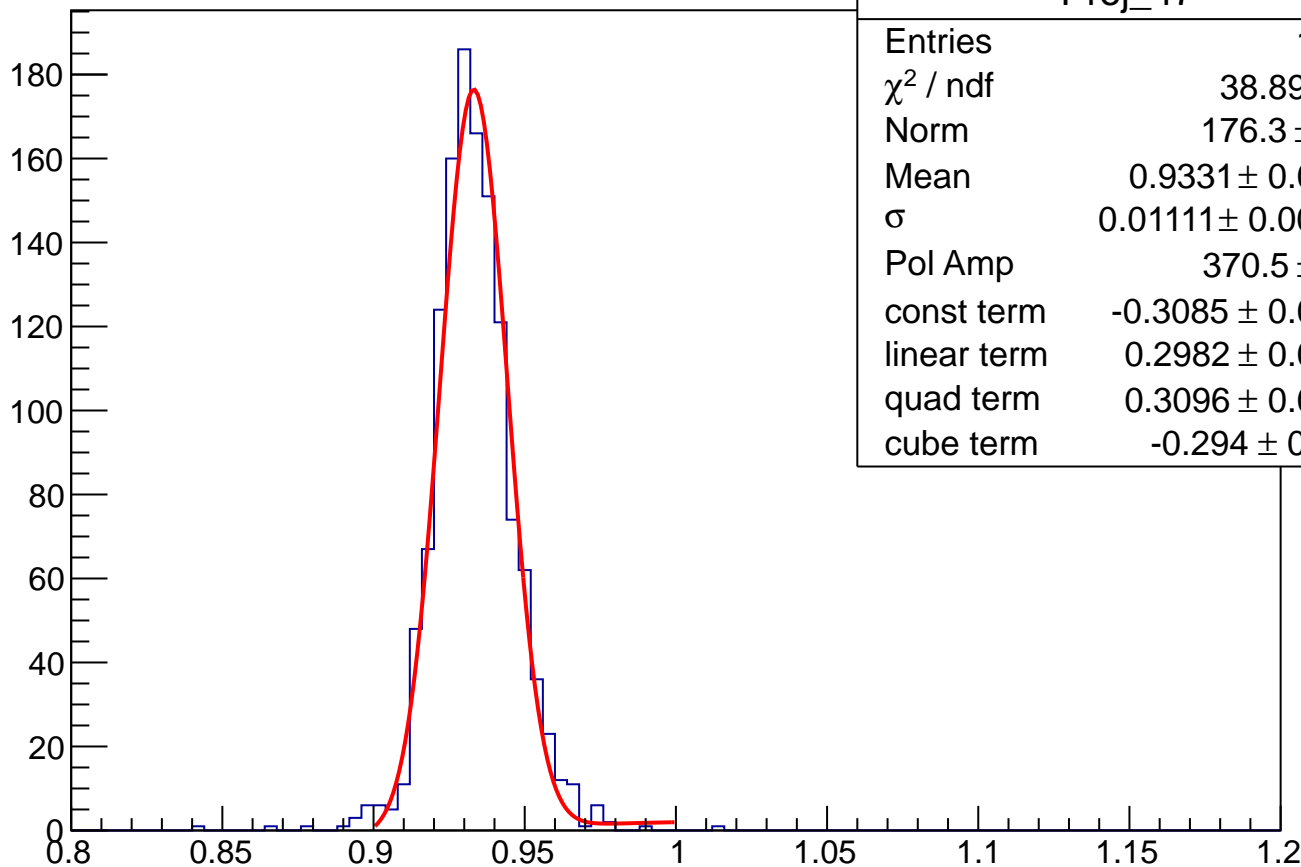
PhiThetaMassPip



PhiThetaMassPip



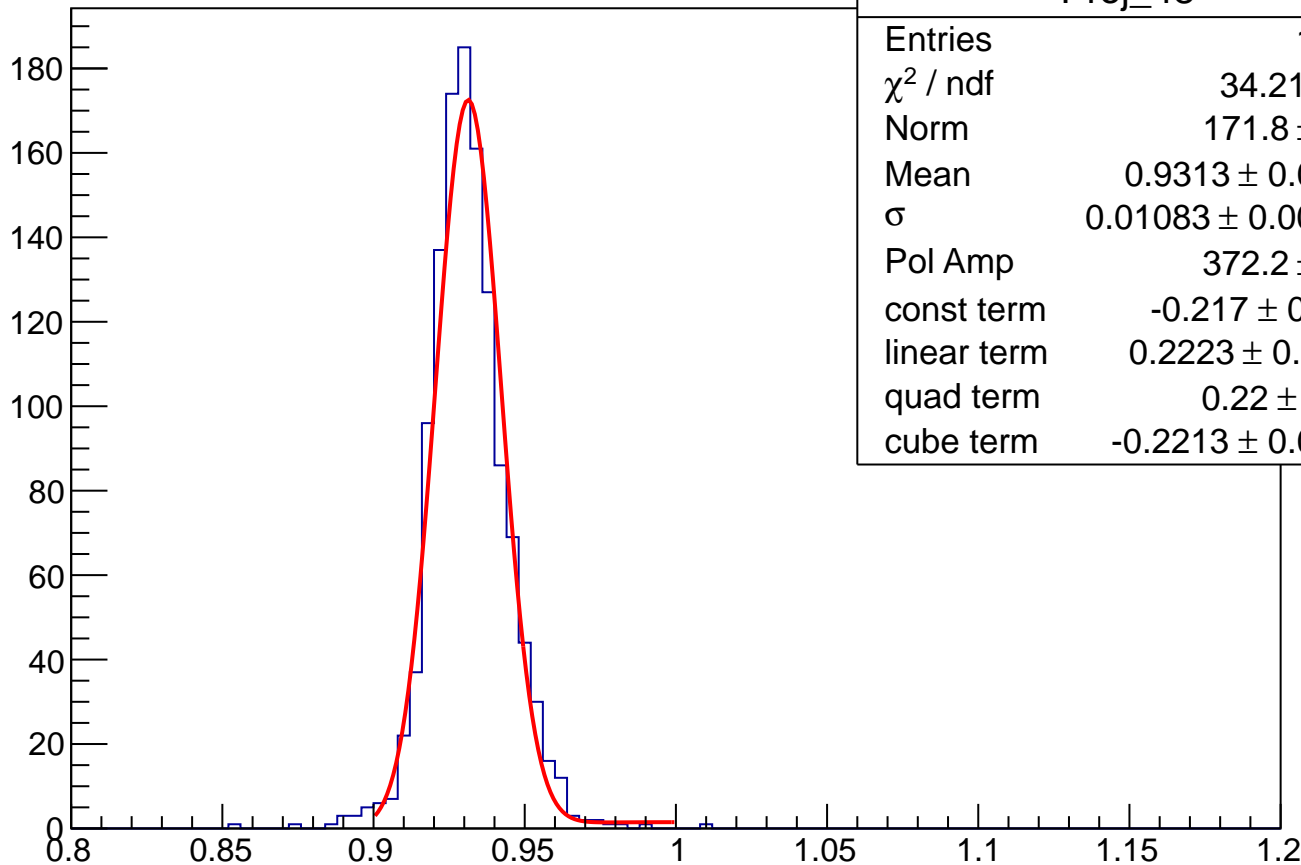
PhiThetaMassPip



Proj_47

Entries	1287
χ^2 / ndf	38.89 / 13
Norm	176.3 ± 6.5
Mean	0.9331 ± 0.0003
σ	0.01111 ± 0.00037
Pol Amp	370.5 ± 0.3
const term	-0.3085 ± 0.0622
linear term	0.2982 ± 0.0445
quad term	0.3096 ± 0.0524
cube term	-0.294 ± 0.044

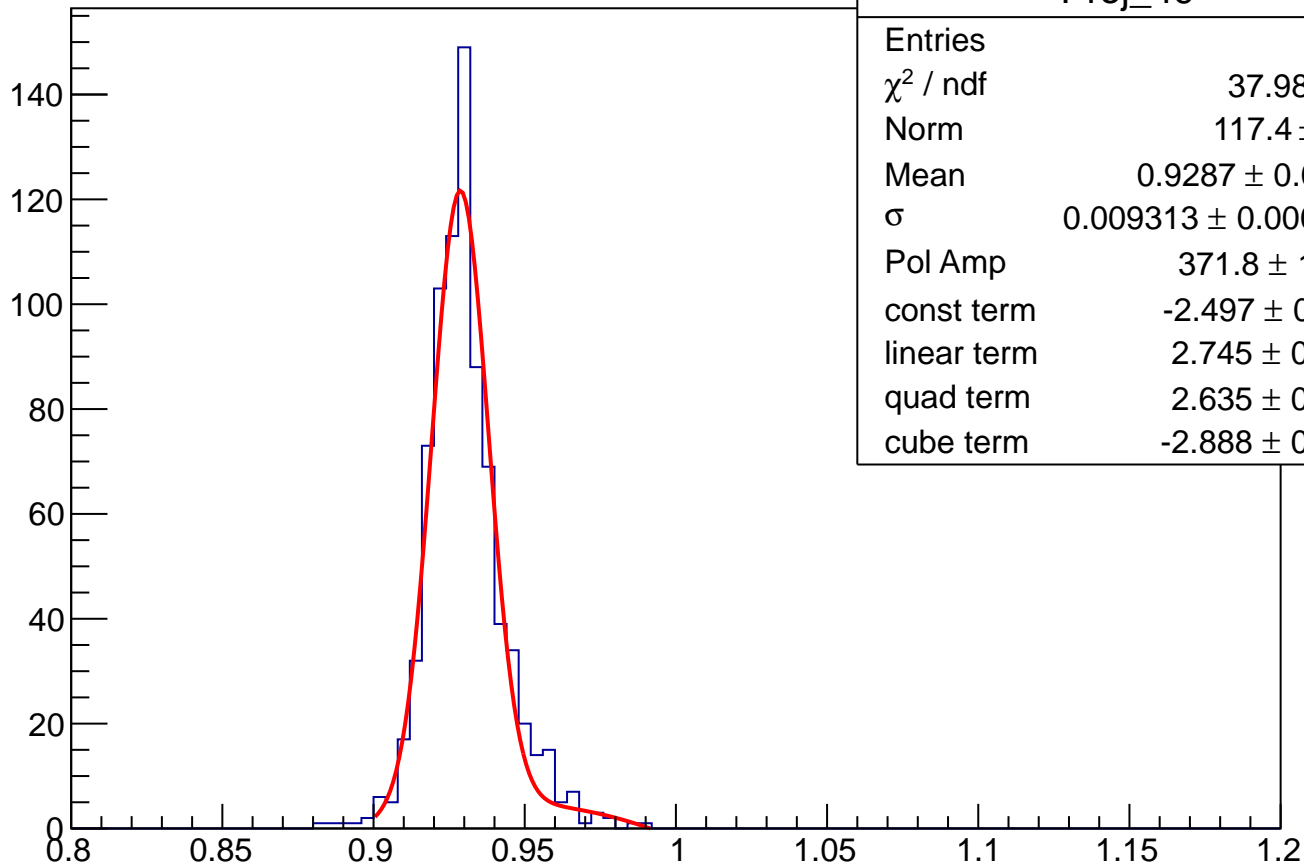
PhiThetaMassPip



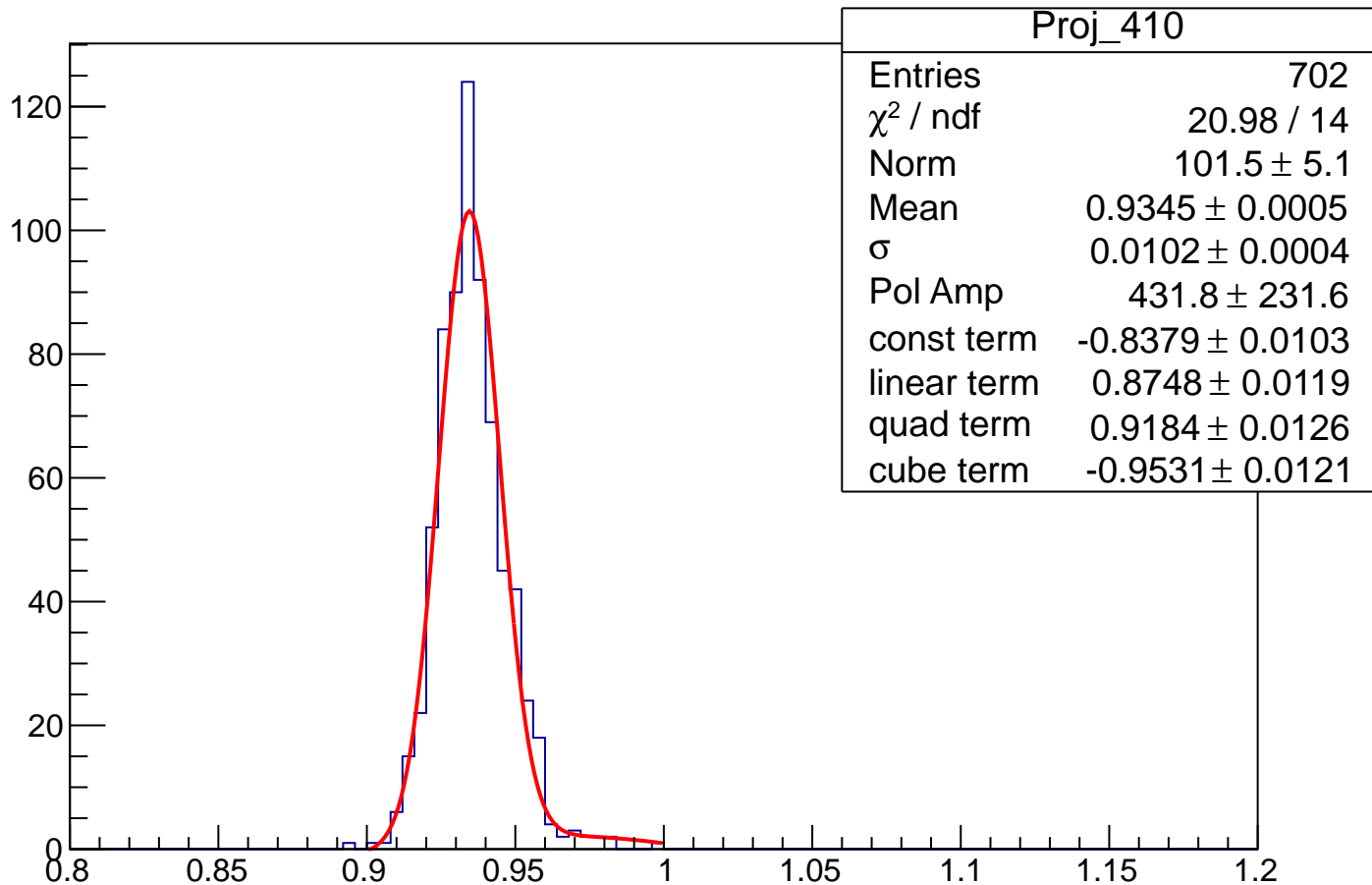
Proj_48

Entries	1234
χ^2 / ndf	34.21 / 14
Norm	171.8 ± 6.7
Mean	0.9313 ± 0.0004
σ	0.01083 ± 0.00042
Pol Amp	372.2 ± 0.2
const term	-0.217 ± 0.057
linear term	0.2223 ± 0.0341
quad term	0.22 ± 0.04
cube term	-0.2213 ± 0.0336

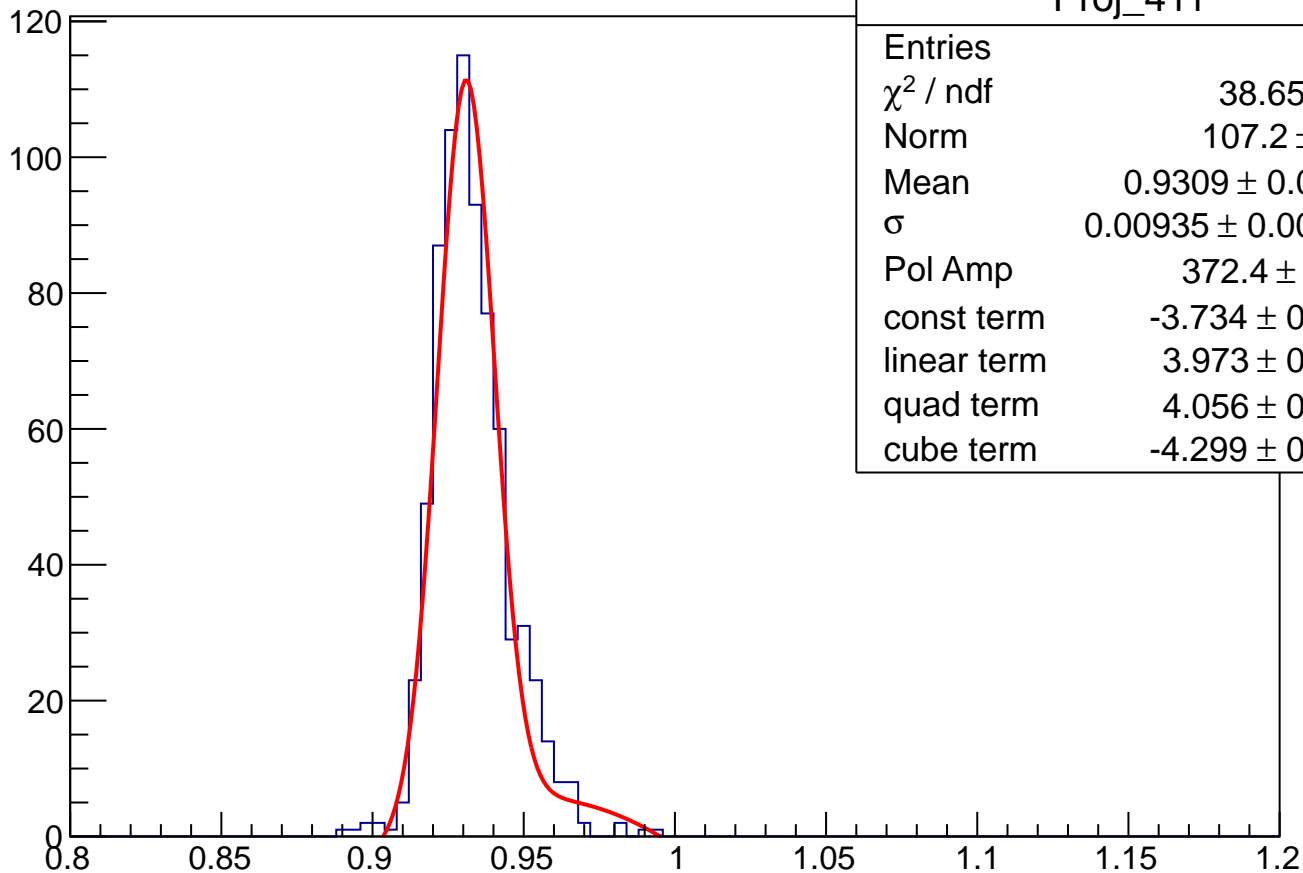
PhiThetaMassPip



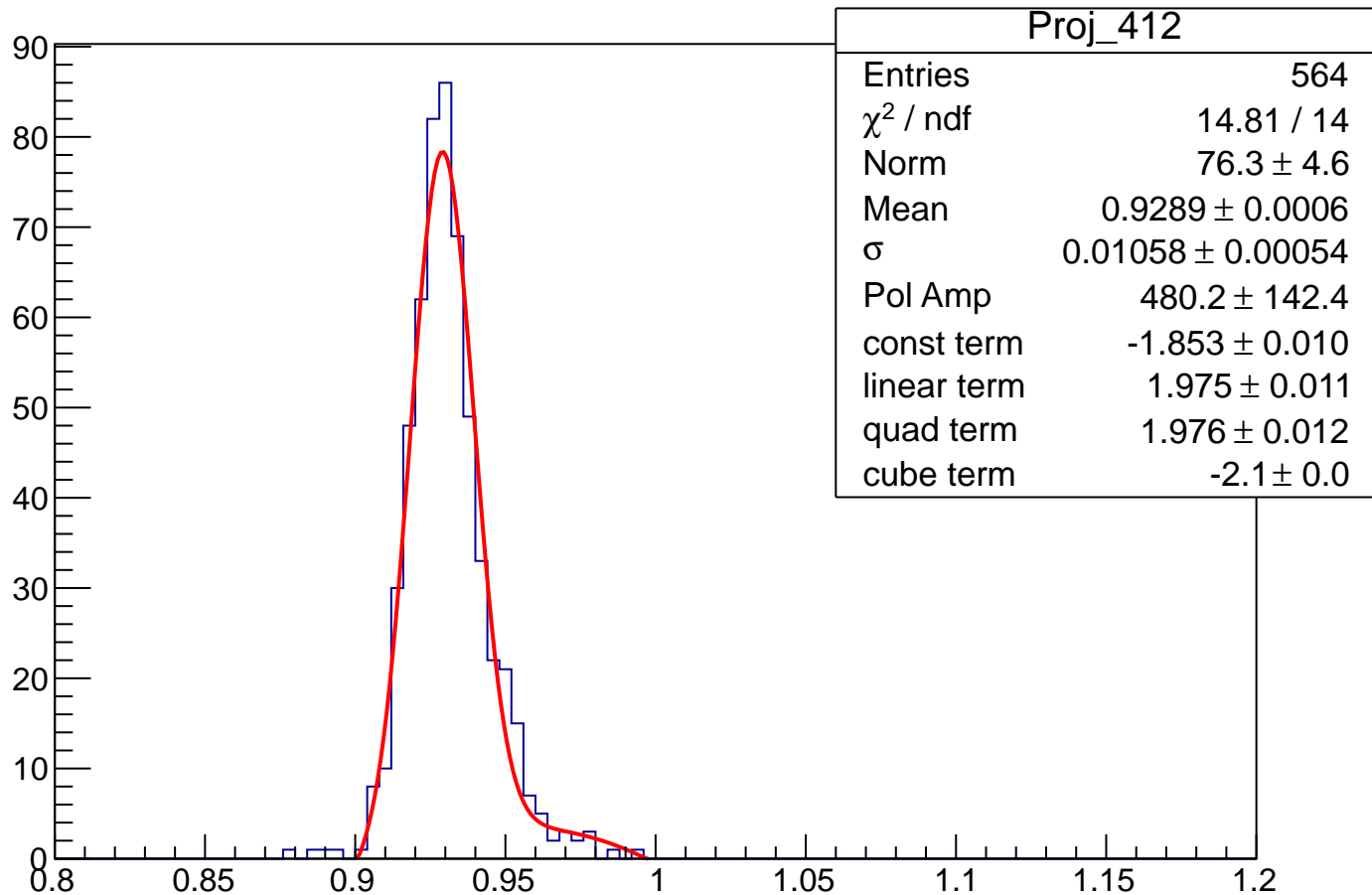
PhiThetaMassPip



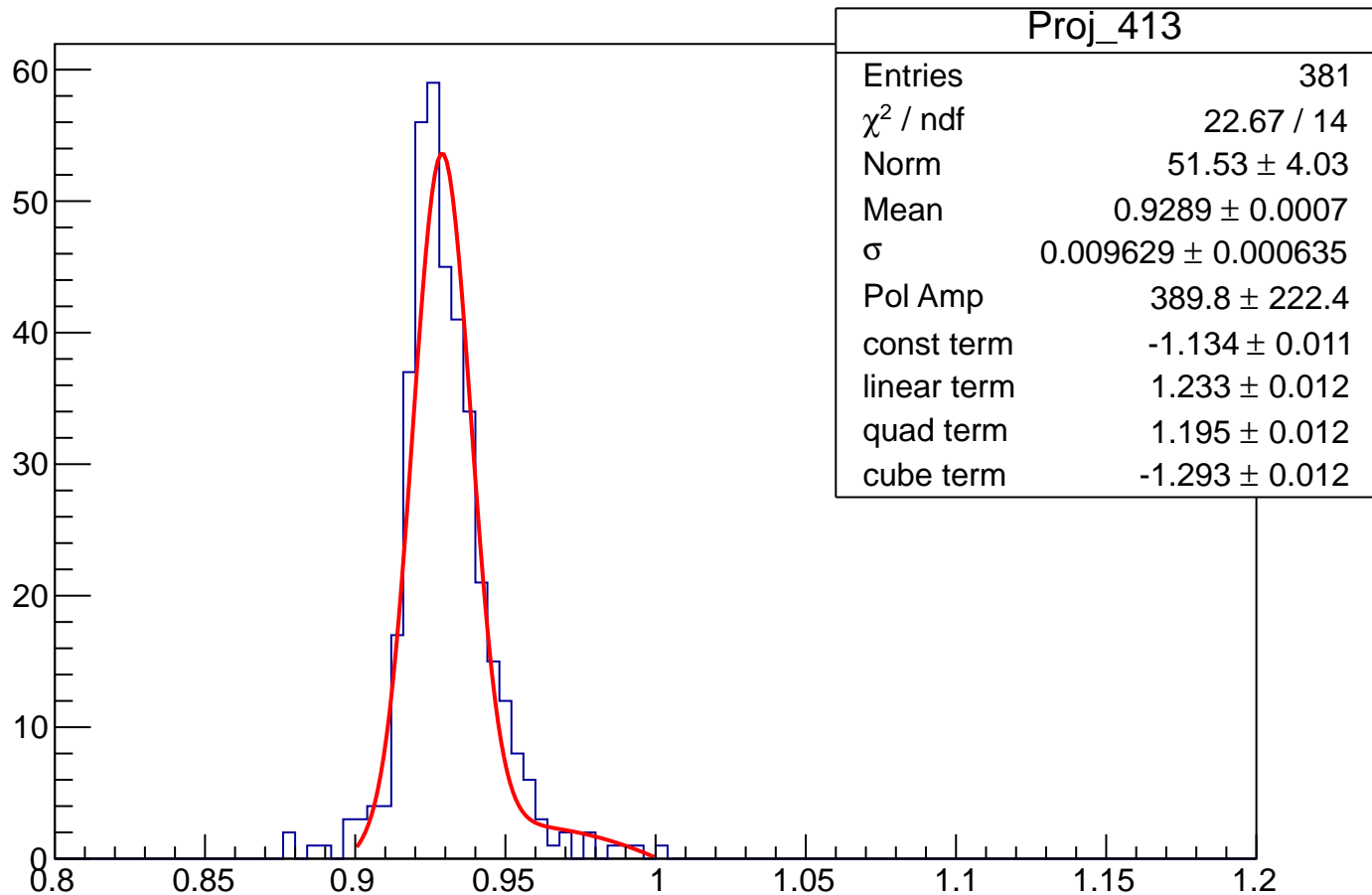
PhiThetaMassPip



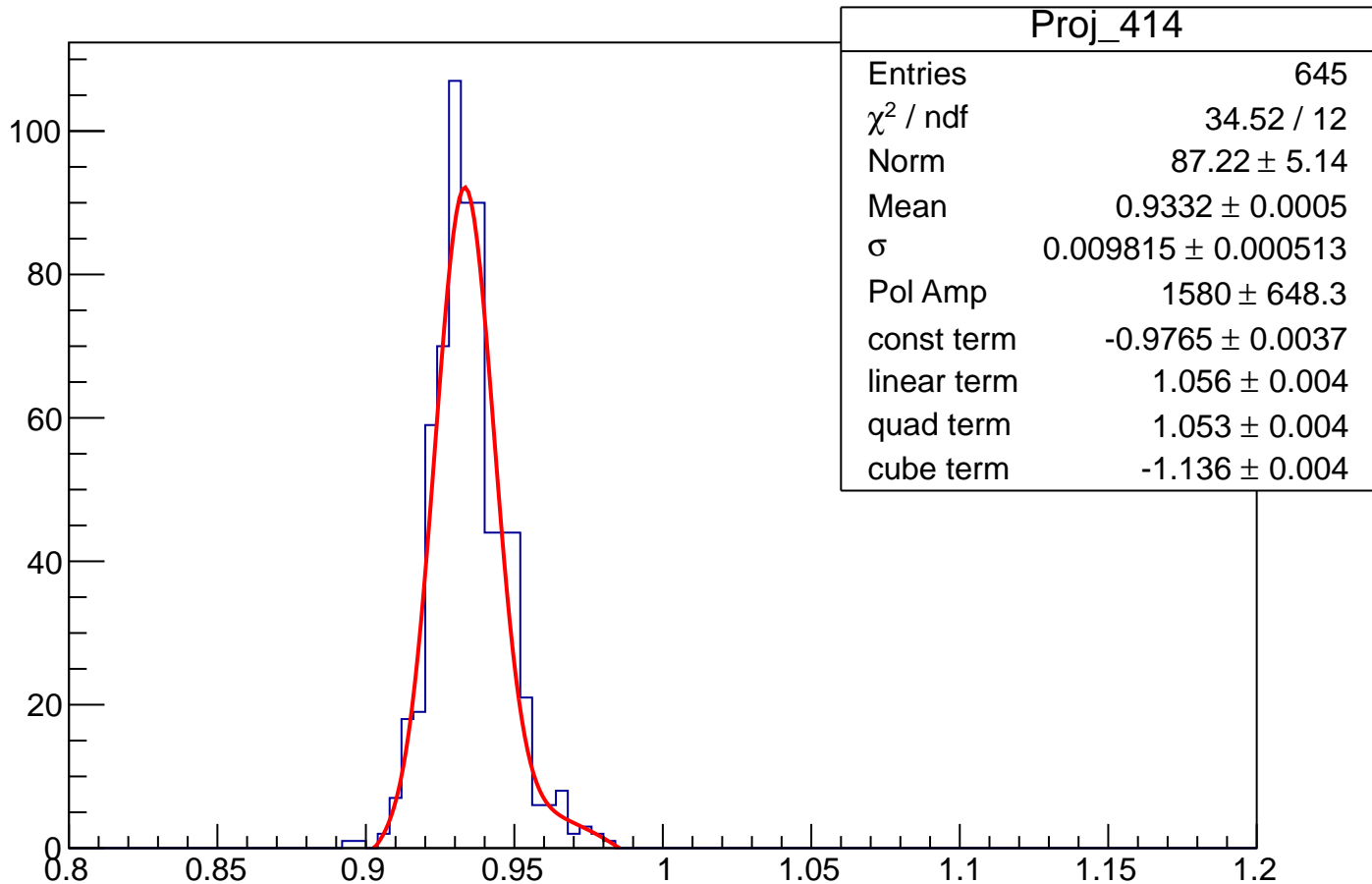
PhiThetaMassPip



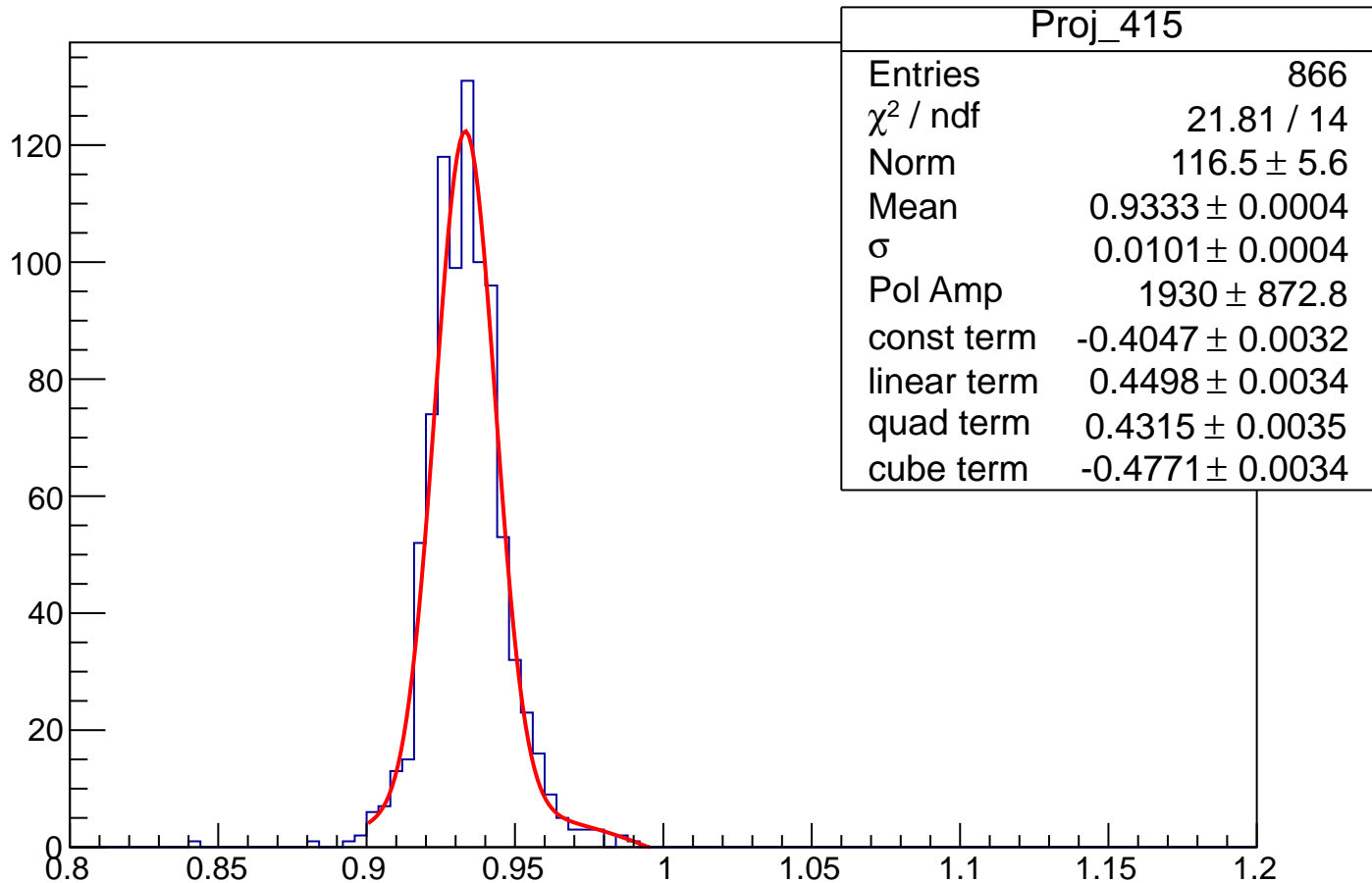
PhiThetaMassPip



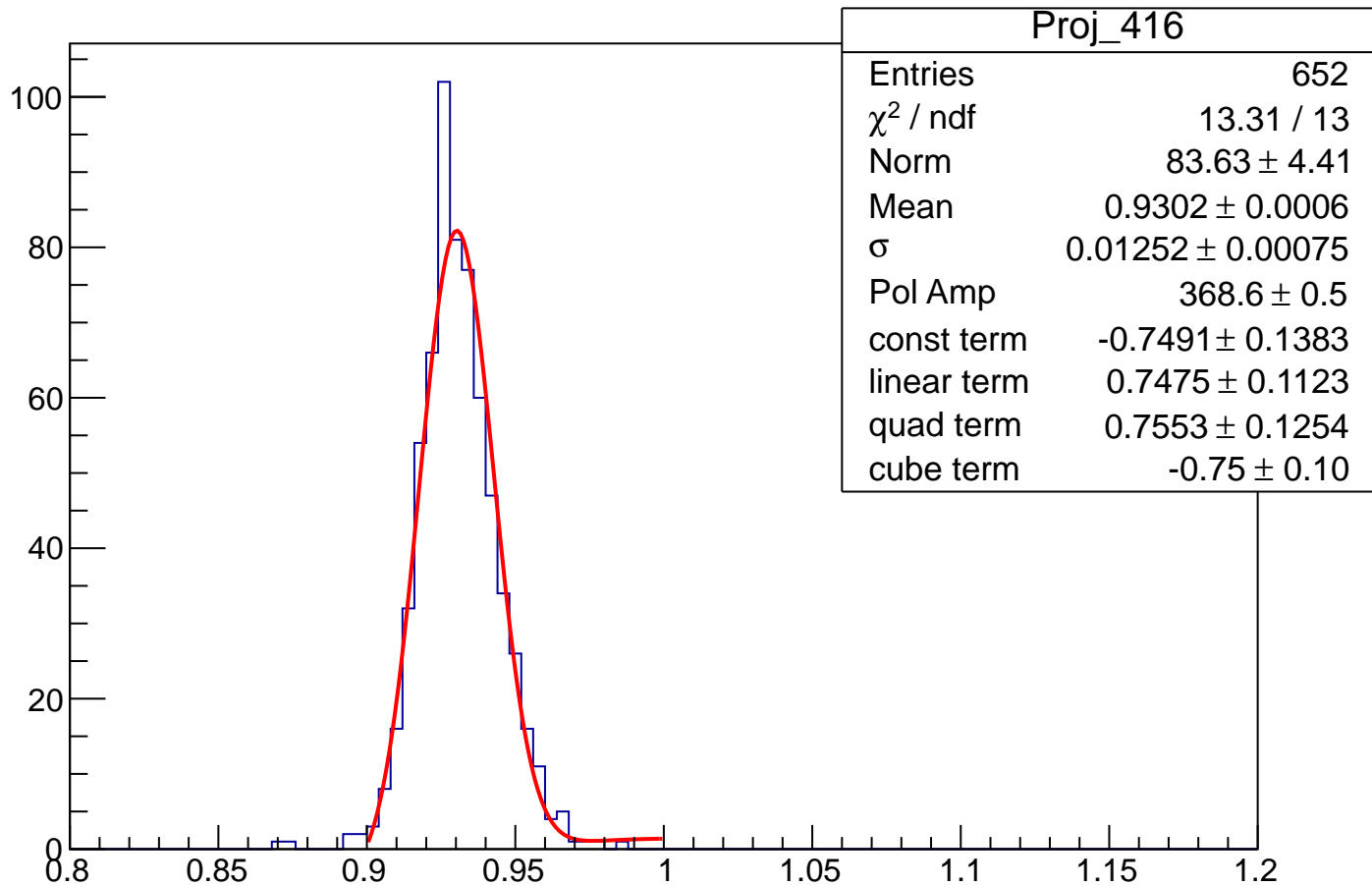
PhiThetaMassPip



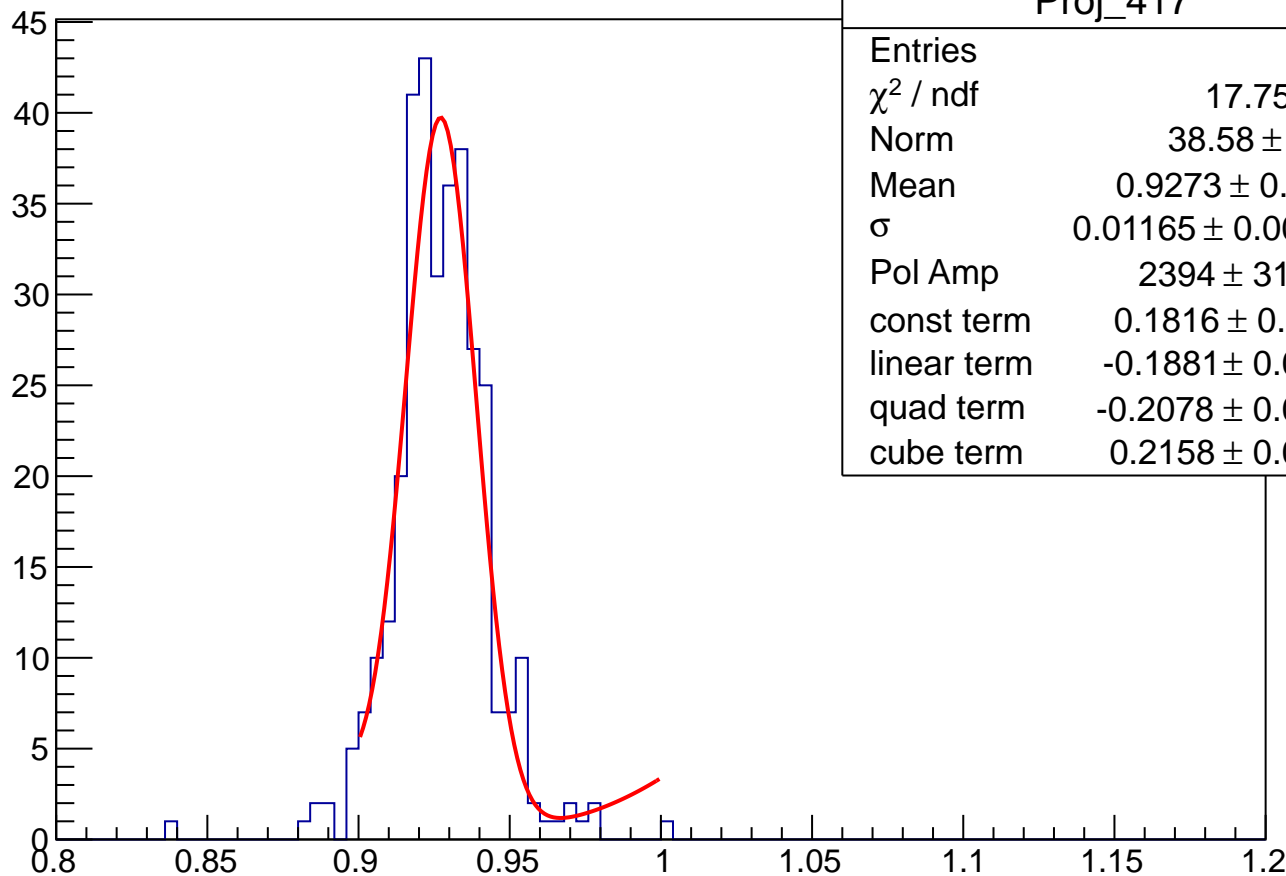
PhiThetaMassPip



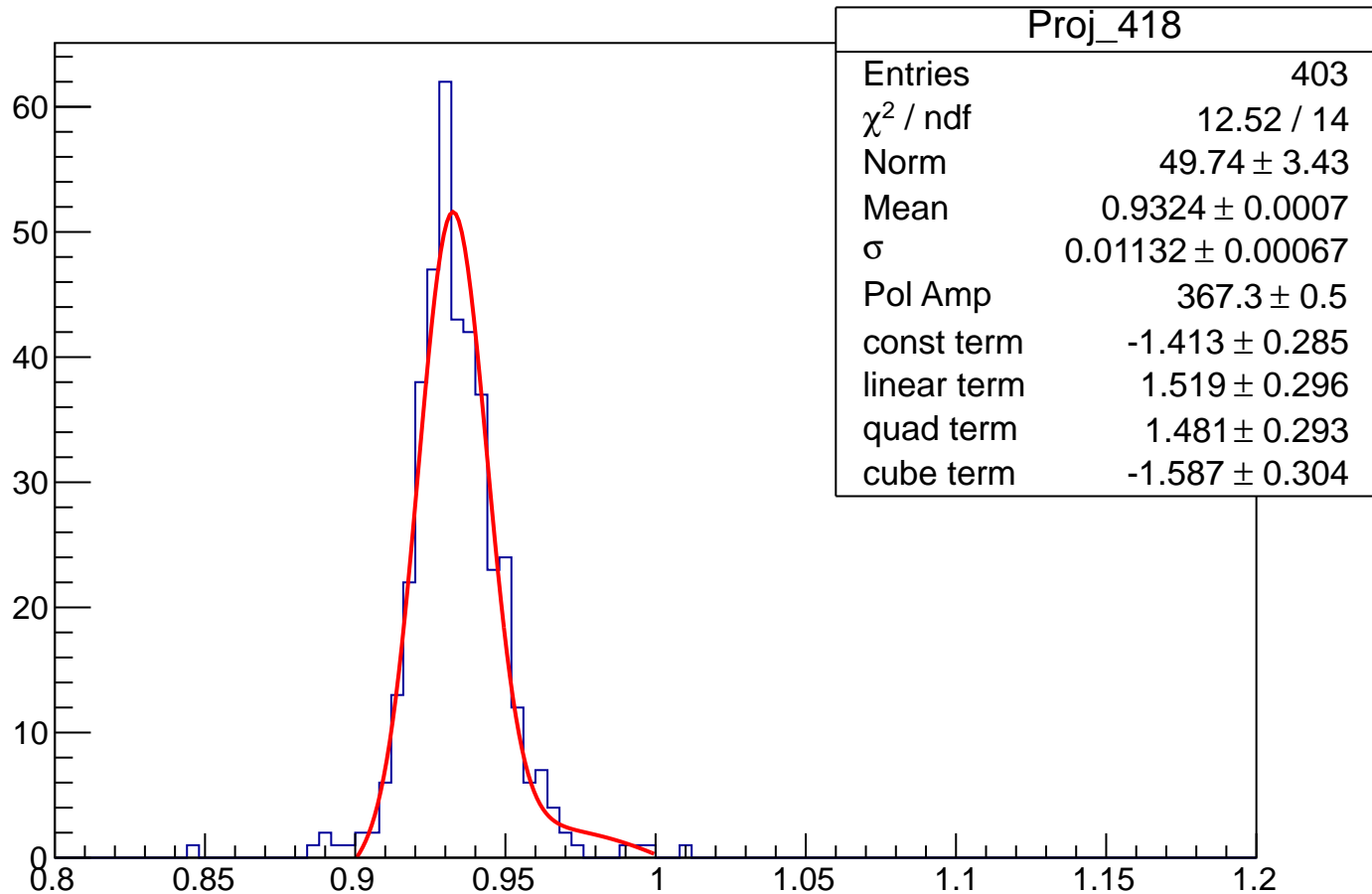
PhiThetaMassPip



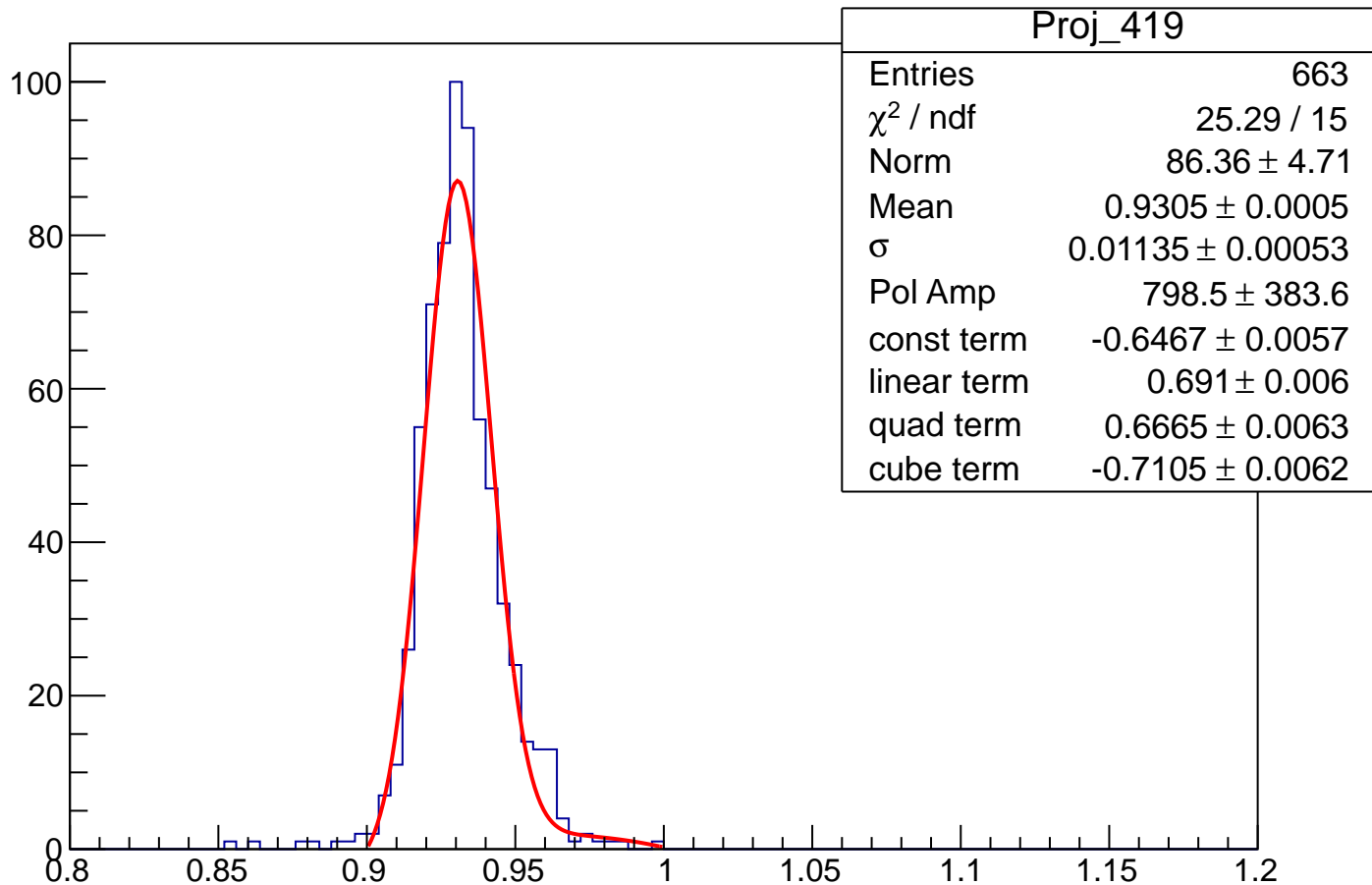
PhiThetaMassPip



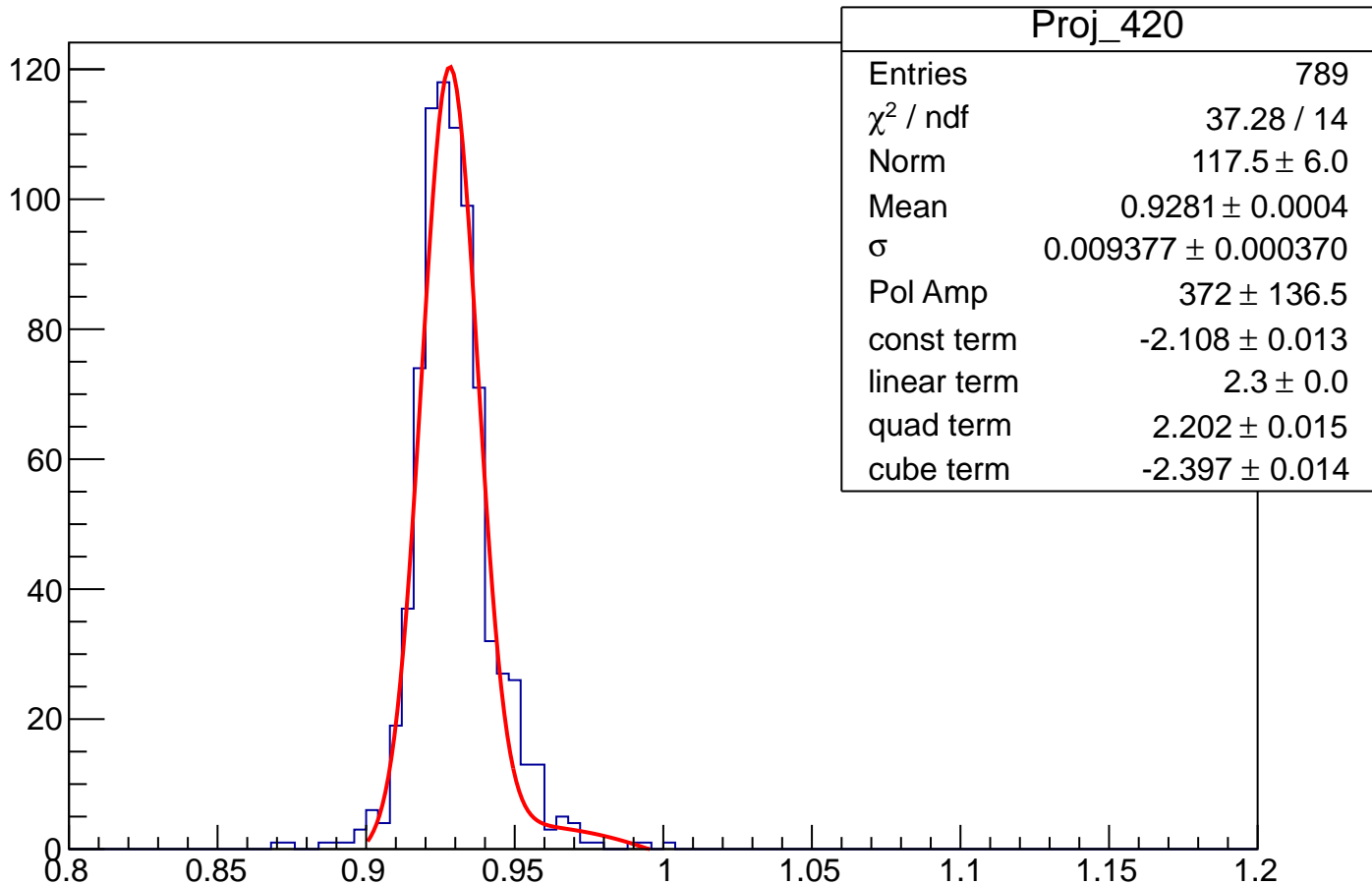
PhiThetaMassPip



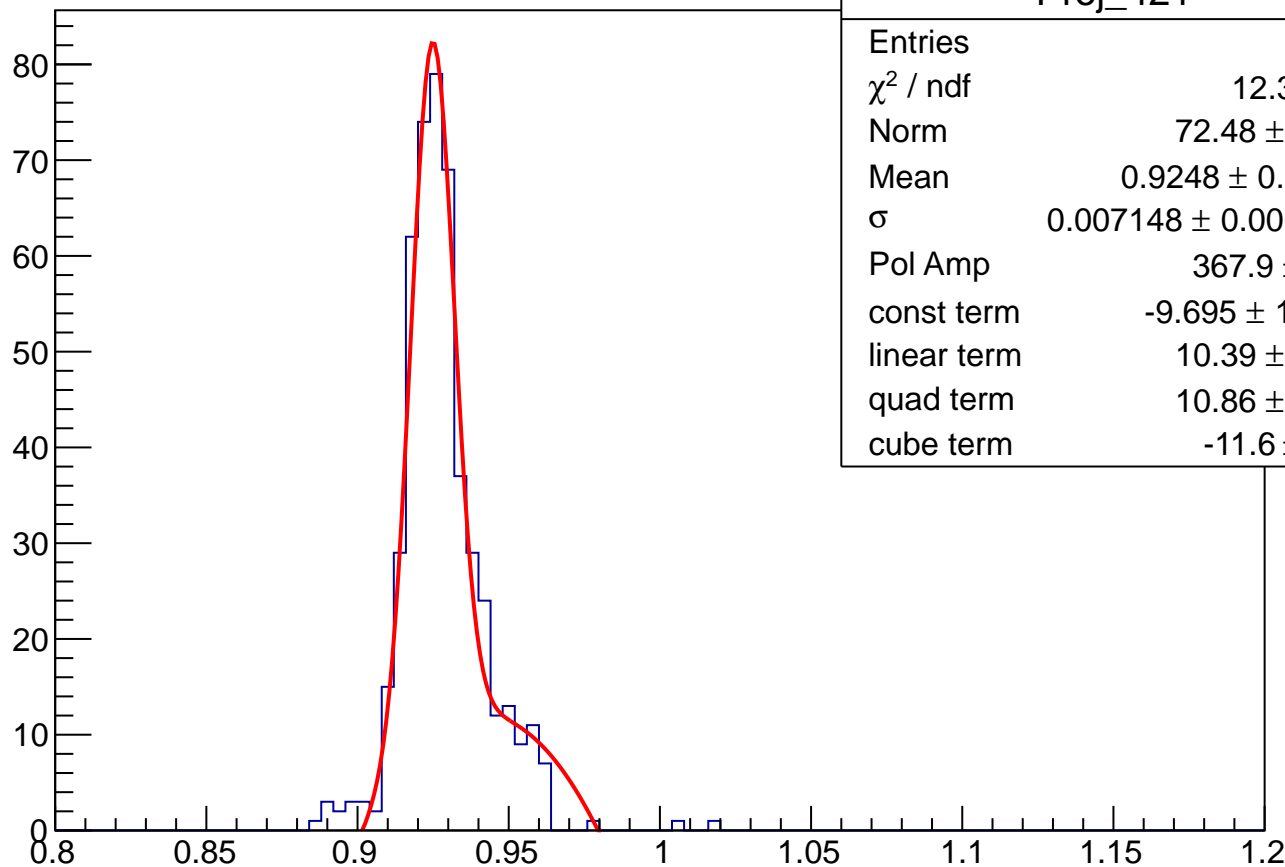
PhiThetaMassPip



PhiThetaMassPip



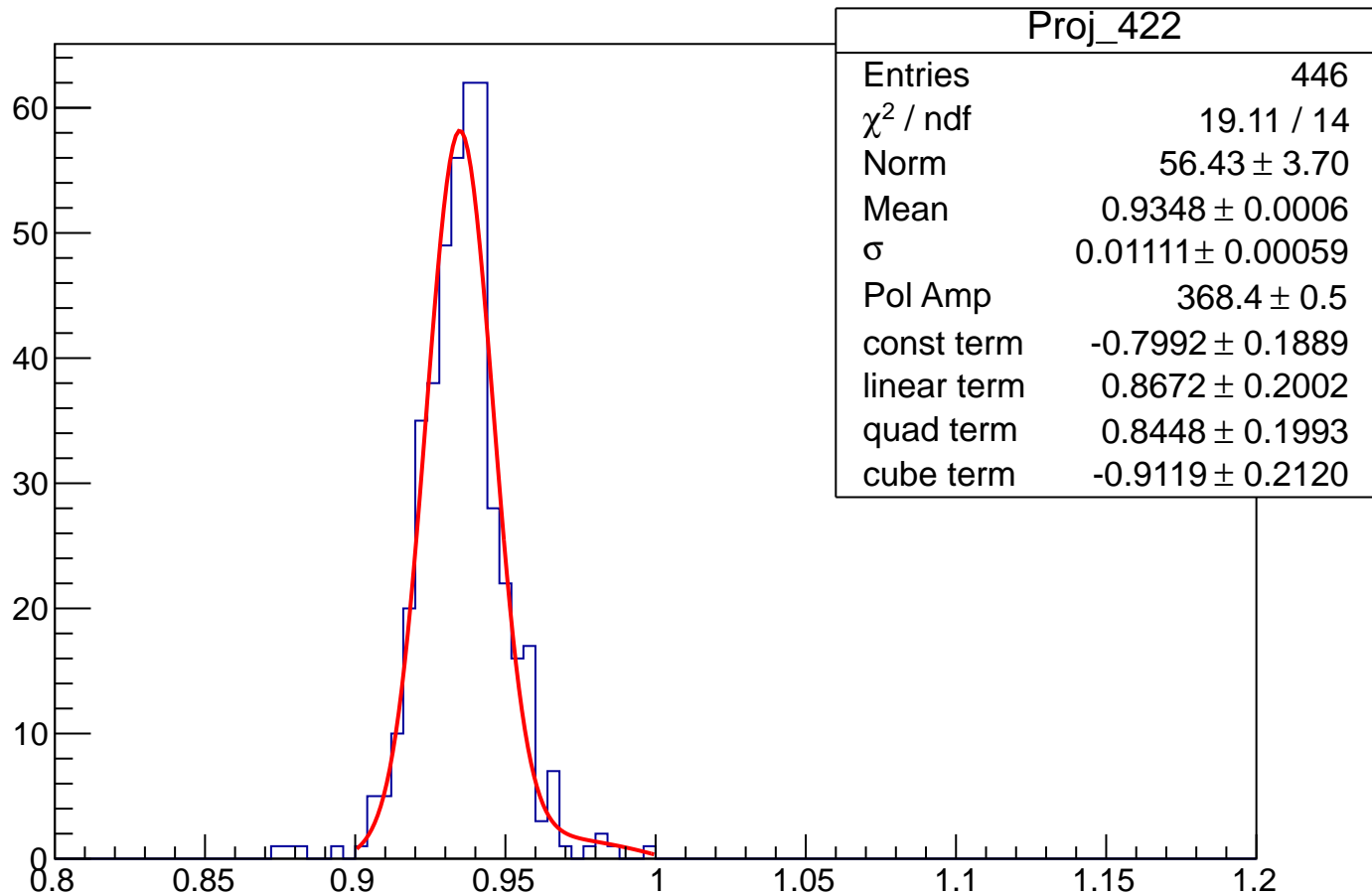
PhiThetaMassPip



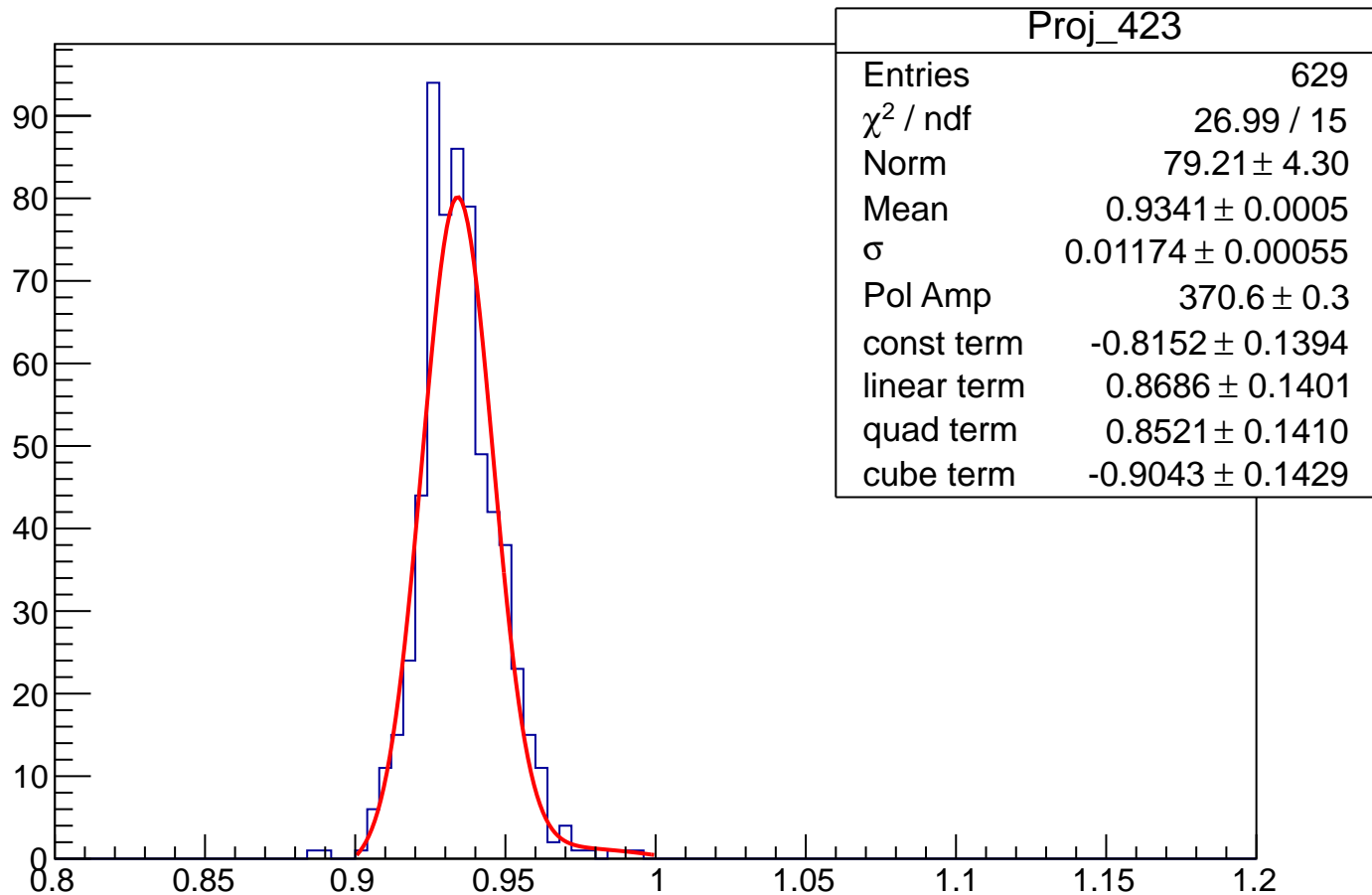
Proj_421

Entries	487
χ^2 / ndf	12.36 / 9
Norm	72.48 ± 5.44
Mean	0.9248 ± 0.0006
σ	0.007148 ± 0.000519
Pol Amp	367.9 ± 2.3
const term	-9.695 ± 1.626
linear term	10.39 ± 1.75
quad term	10.86 ± 1.82
cube term	-11.6 ± 2.0

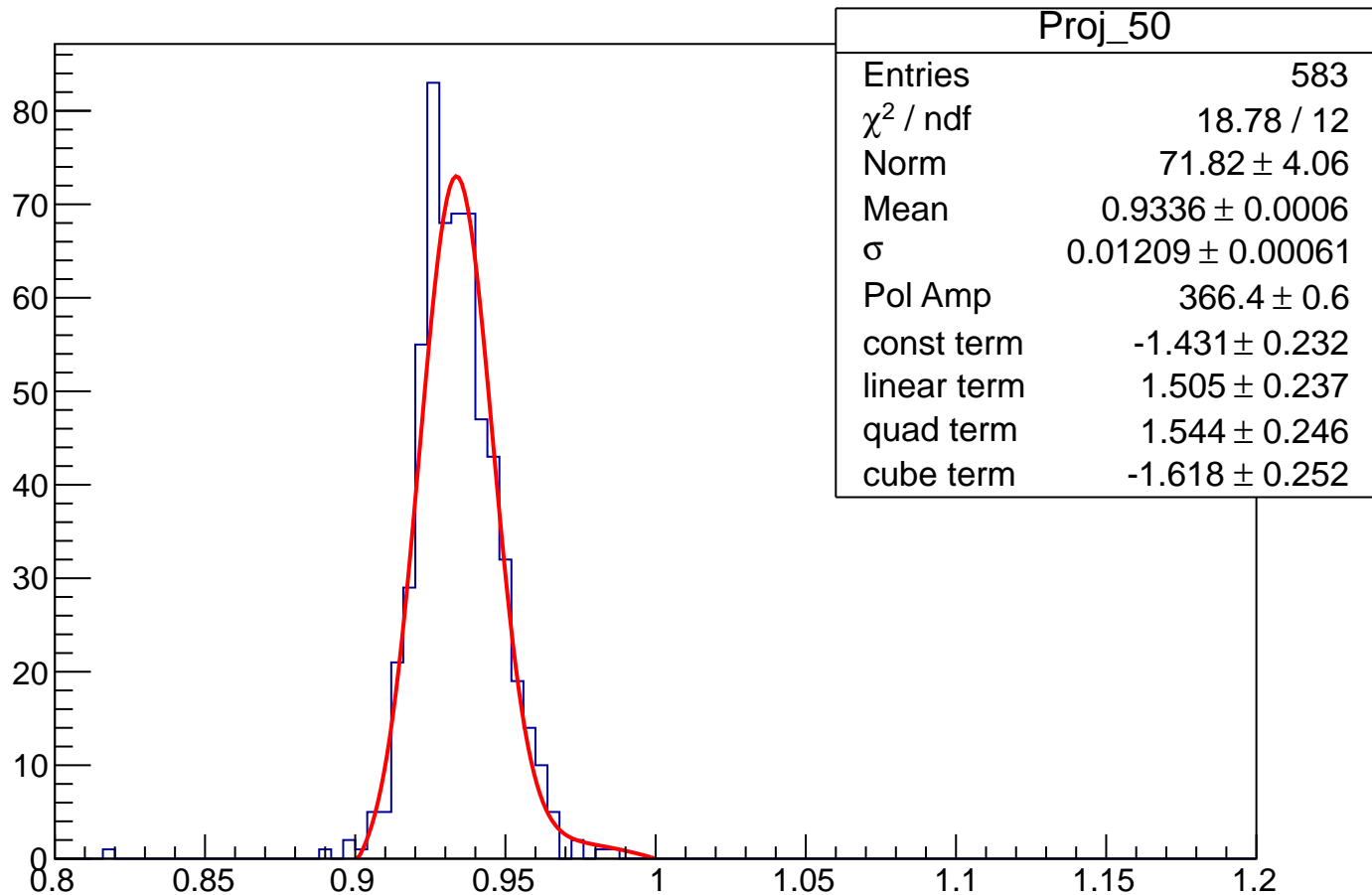
PhiThetaMassPip



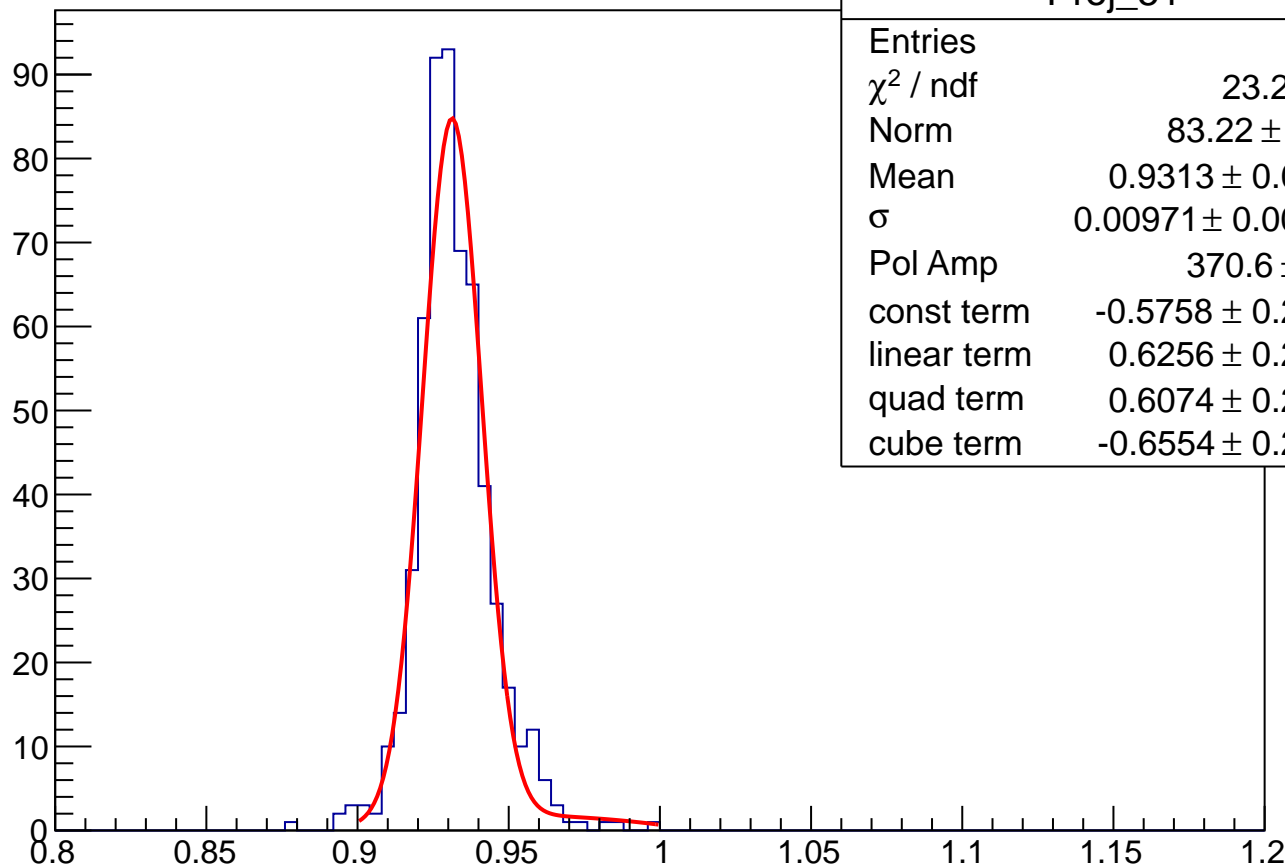
PhiThetaMassPip



PhiThetaMassPip



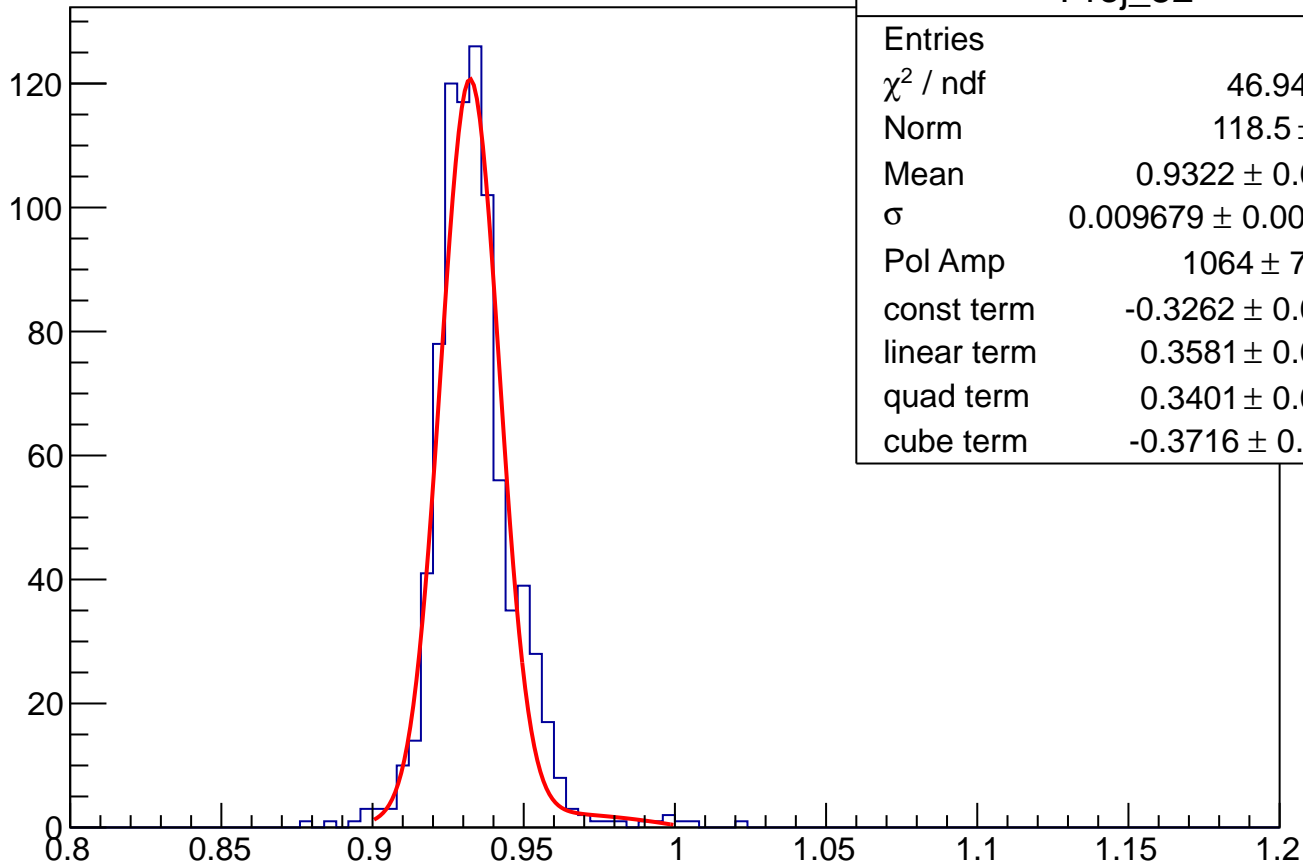
PhiThetaMassPip



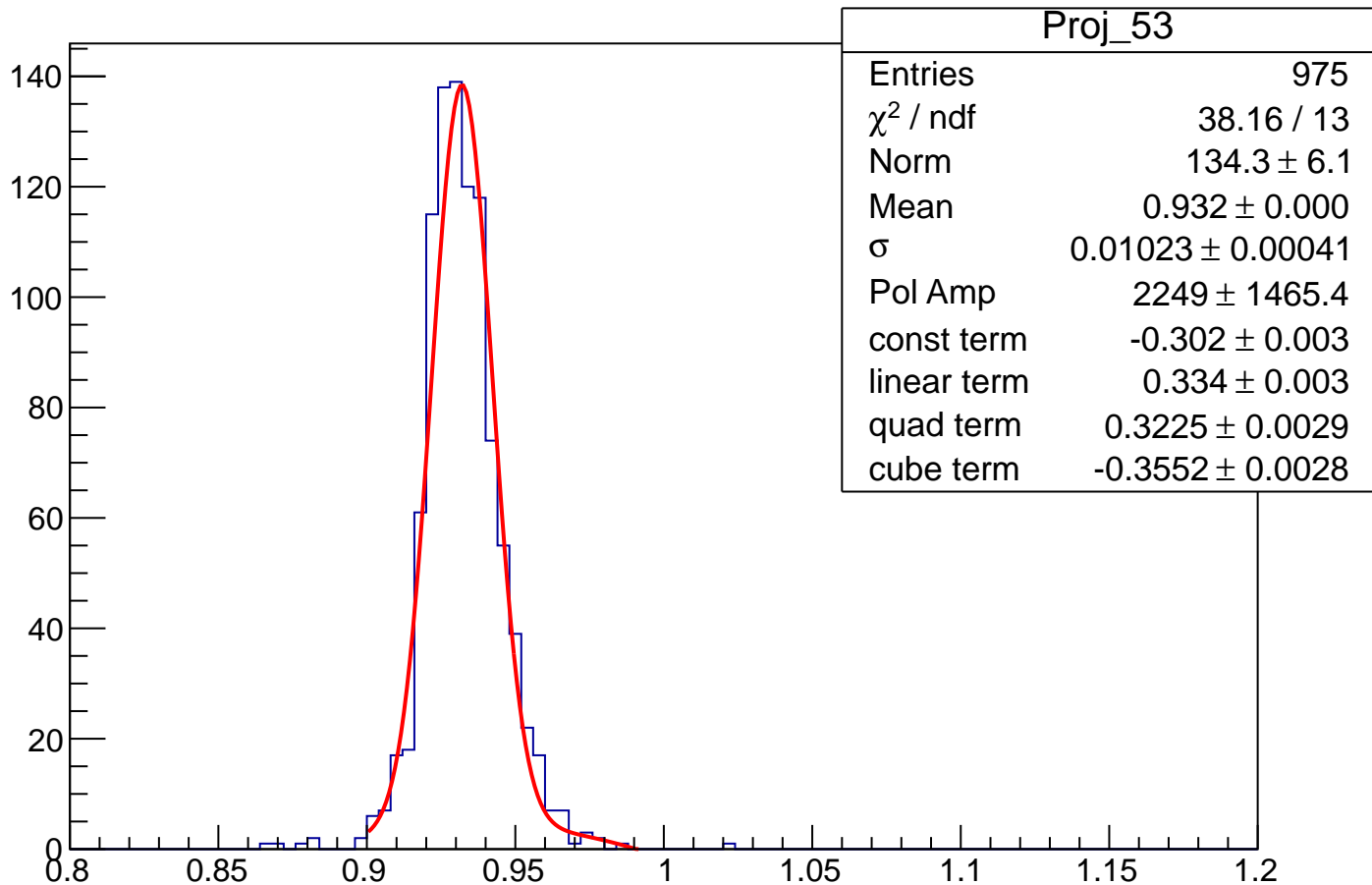
Proj_51

Entries	567
χ^2 / ndf	23.2 / 14
Norm	83.22 ± 4.96
Mean	0.9313 ± 0.0005
σ	0.00971 ± 0.00049
Pol Amp	370.6 ± 0.4
const term	-0.5758 ± 0.2069
linear term	0.6256 ± 0.2132
quad term	0.6074 ± 0.2120
cube term	-0.6554 ± 0.2195

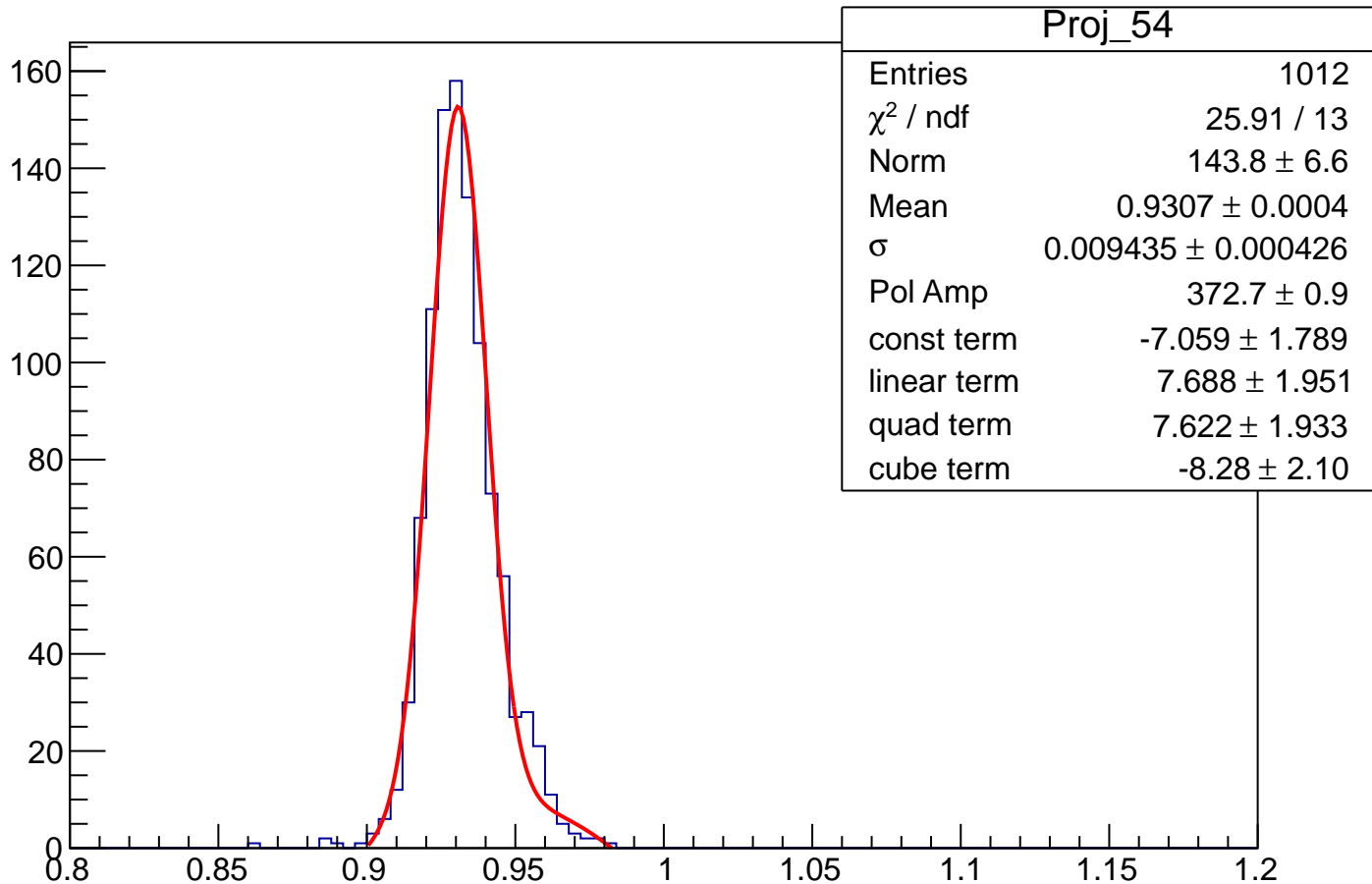
PhiThetaMassPip



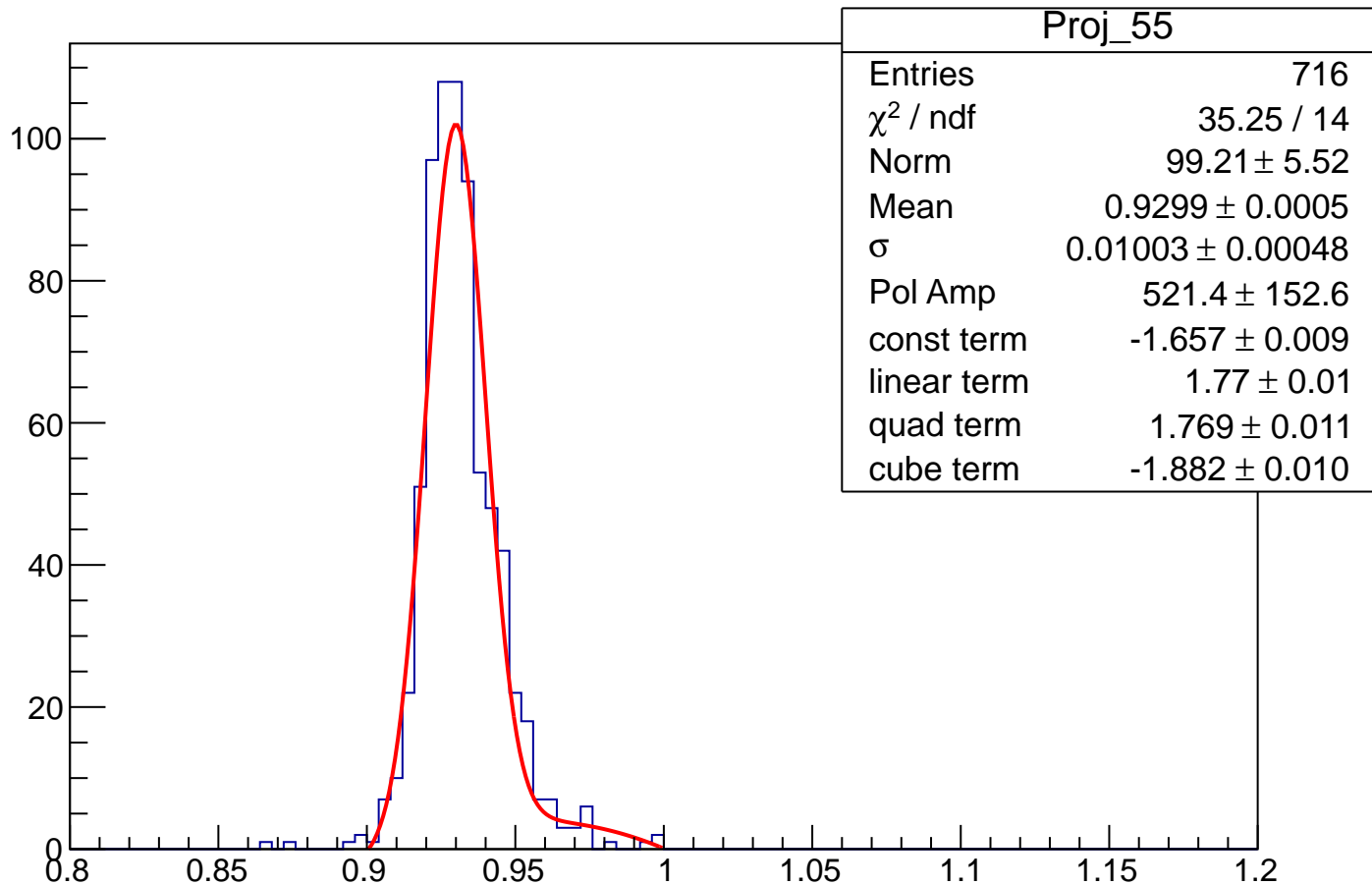
PhiThetaMassPip



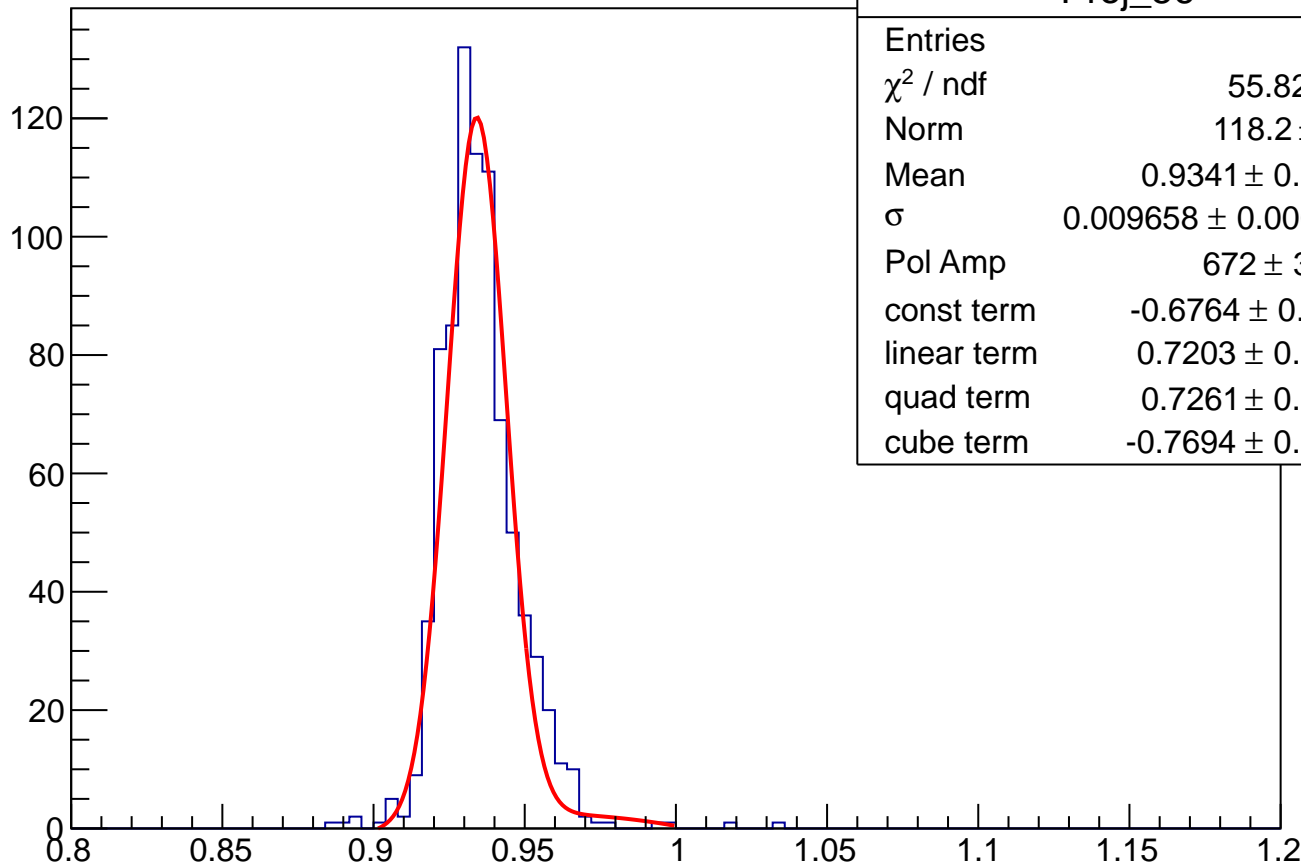
PhiThetaMassPip



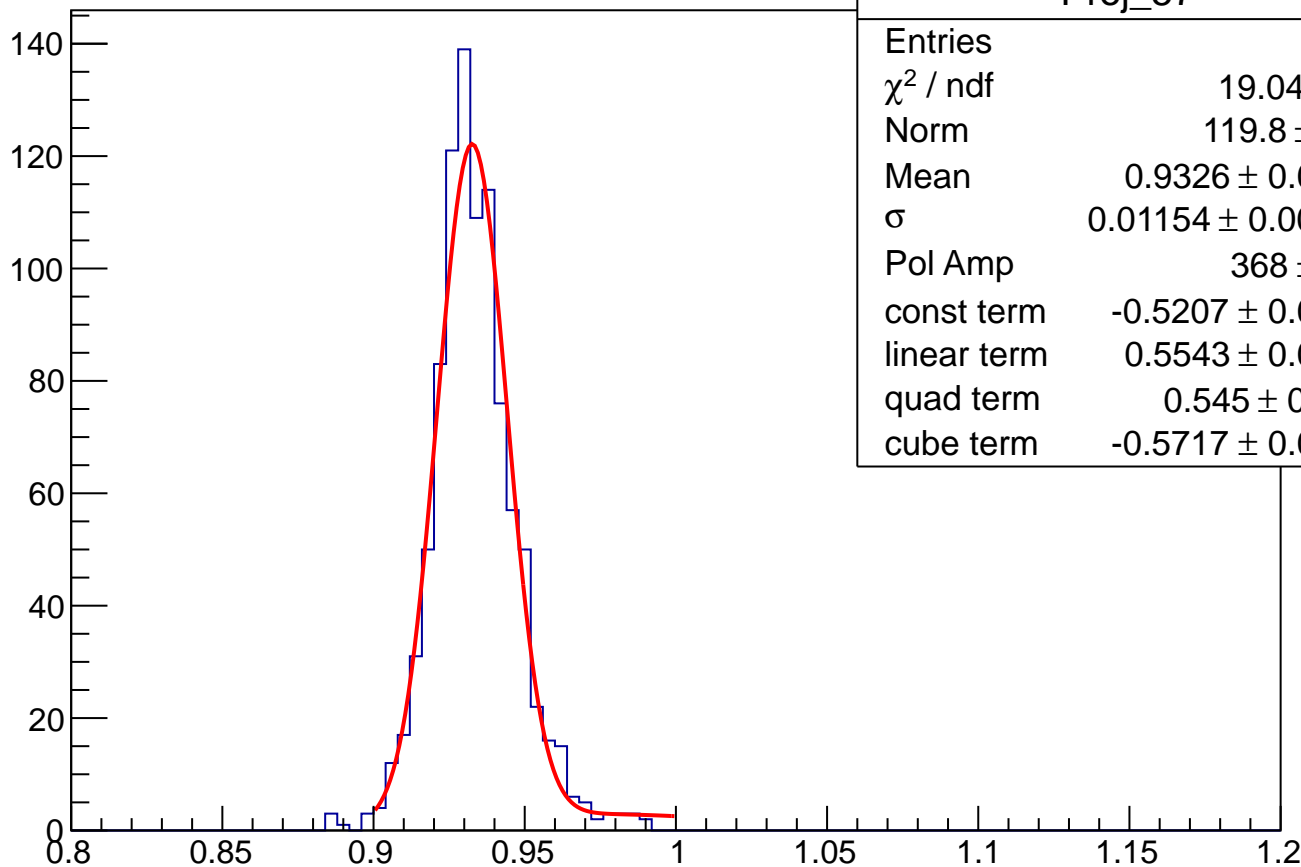
PhiThetaMassPip



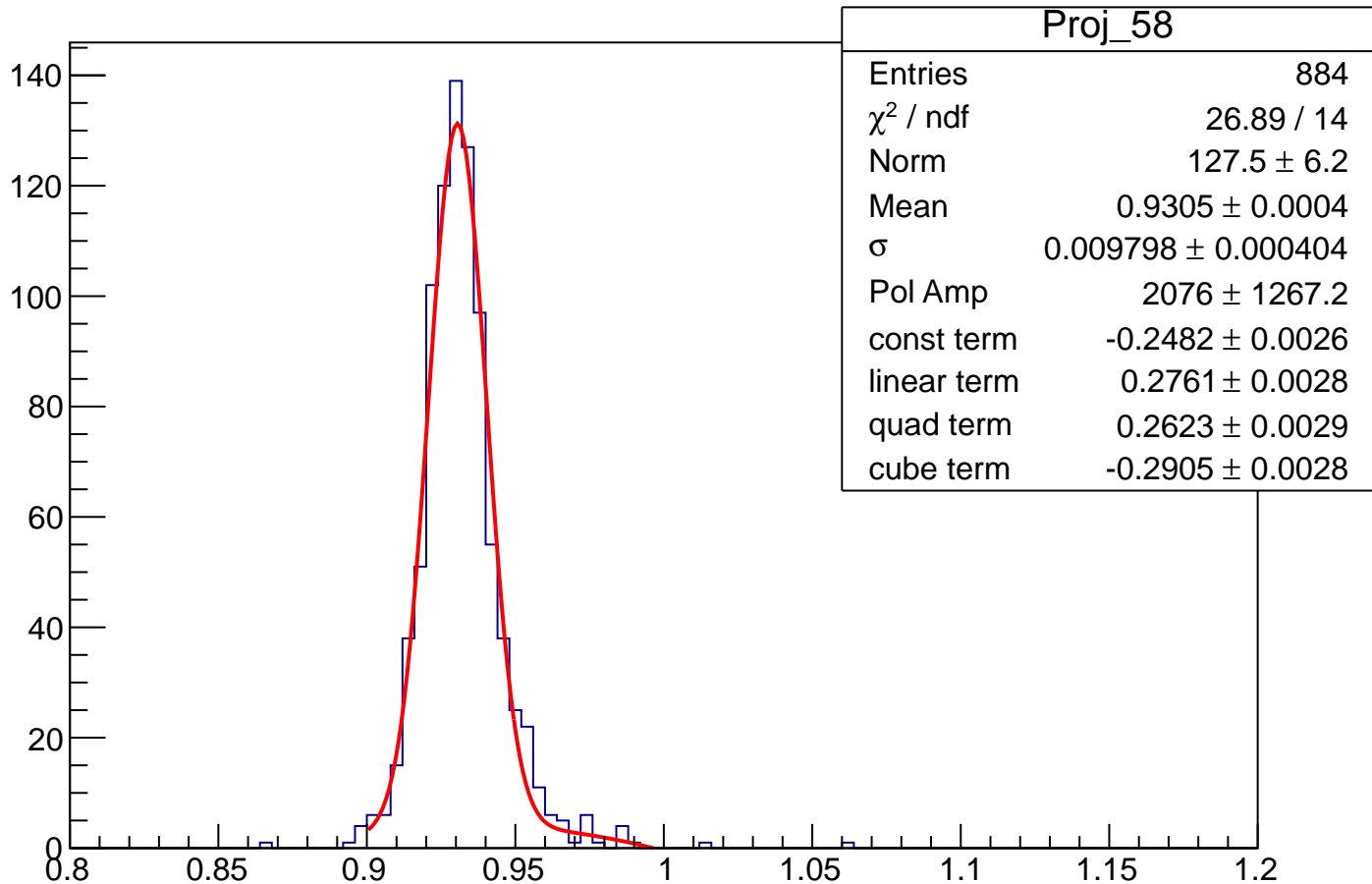
PhiThetaMassPip



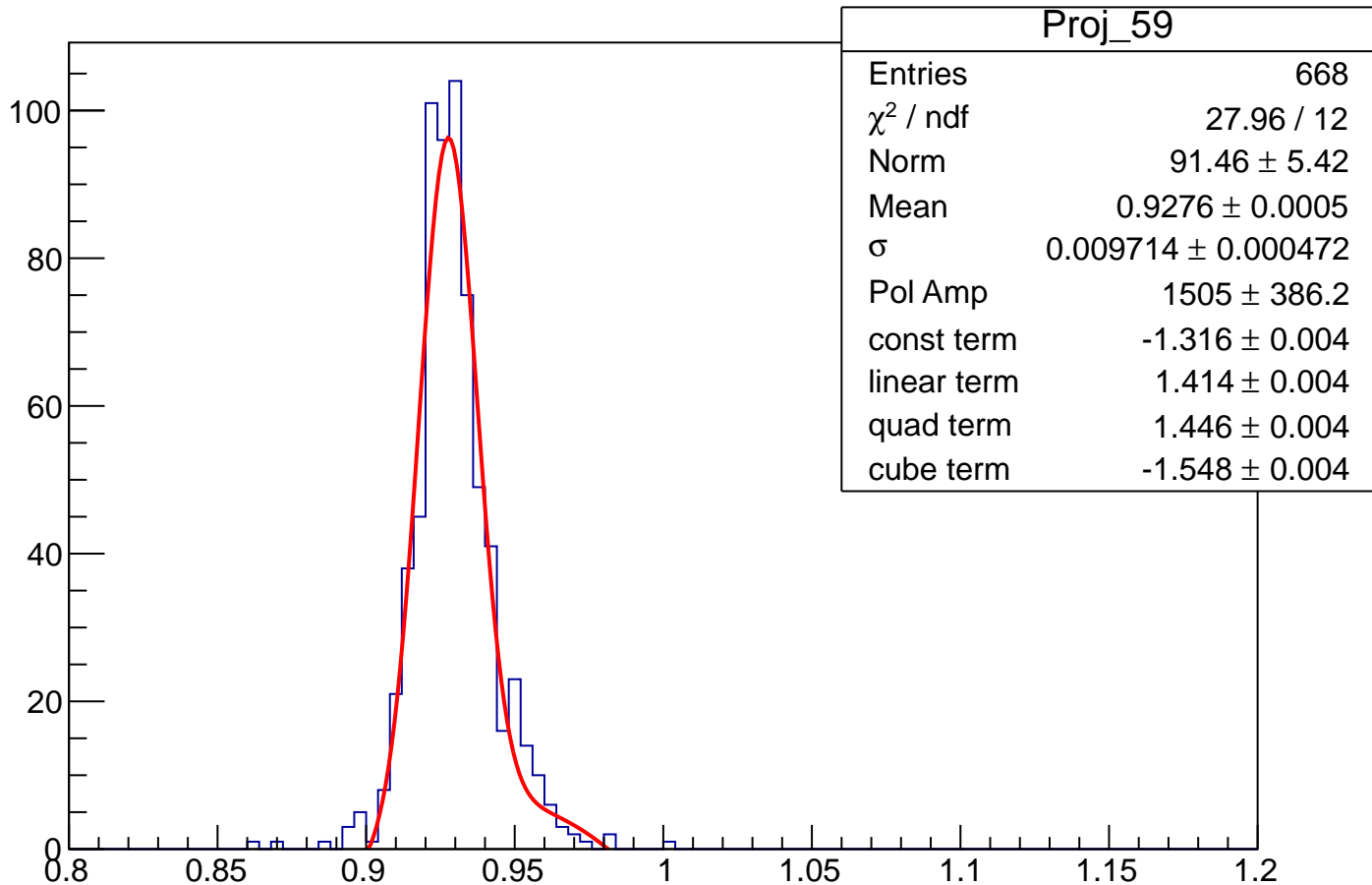
PhiThetaMassPip



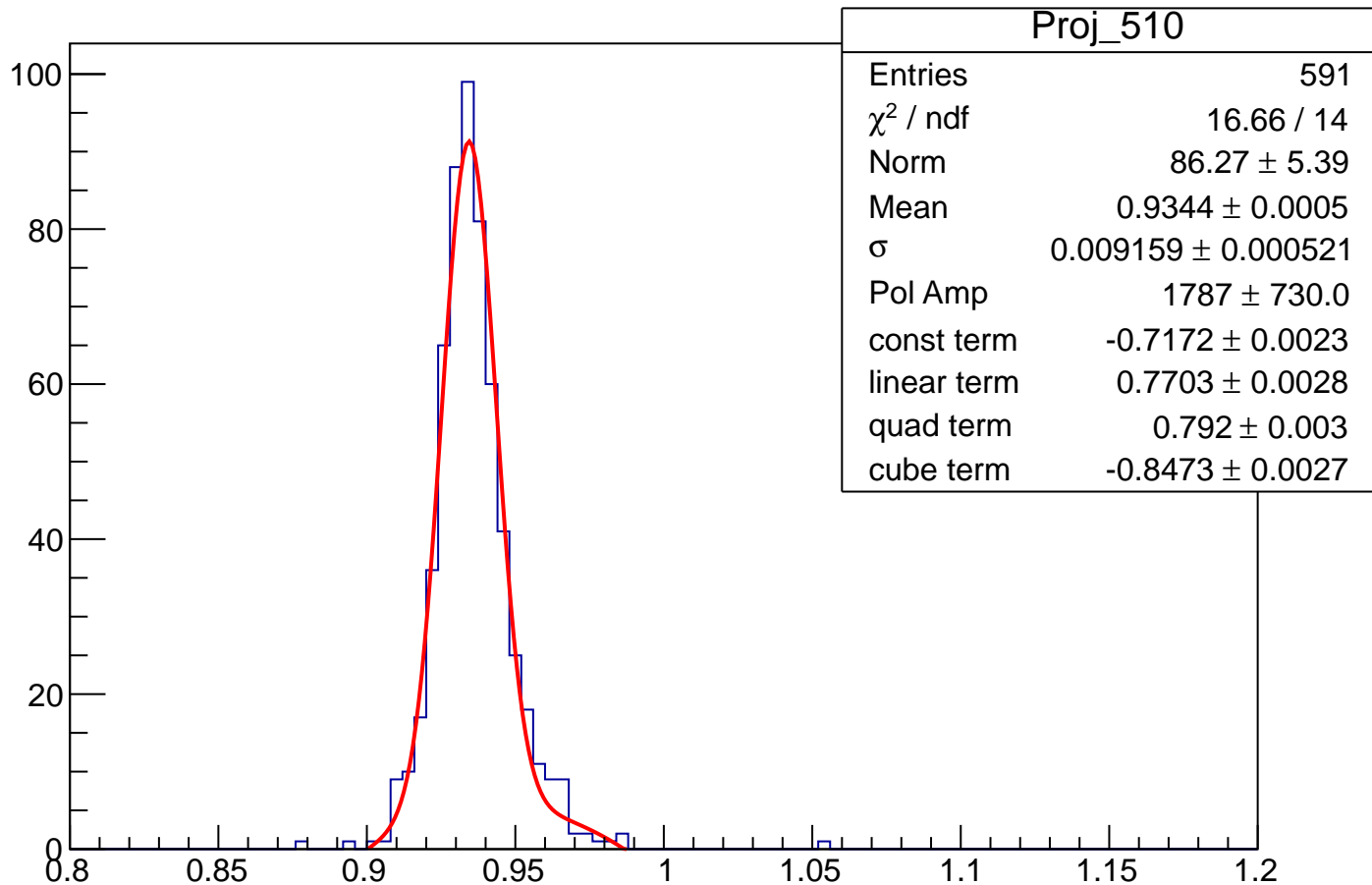
PhiThetaMassPip



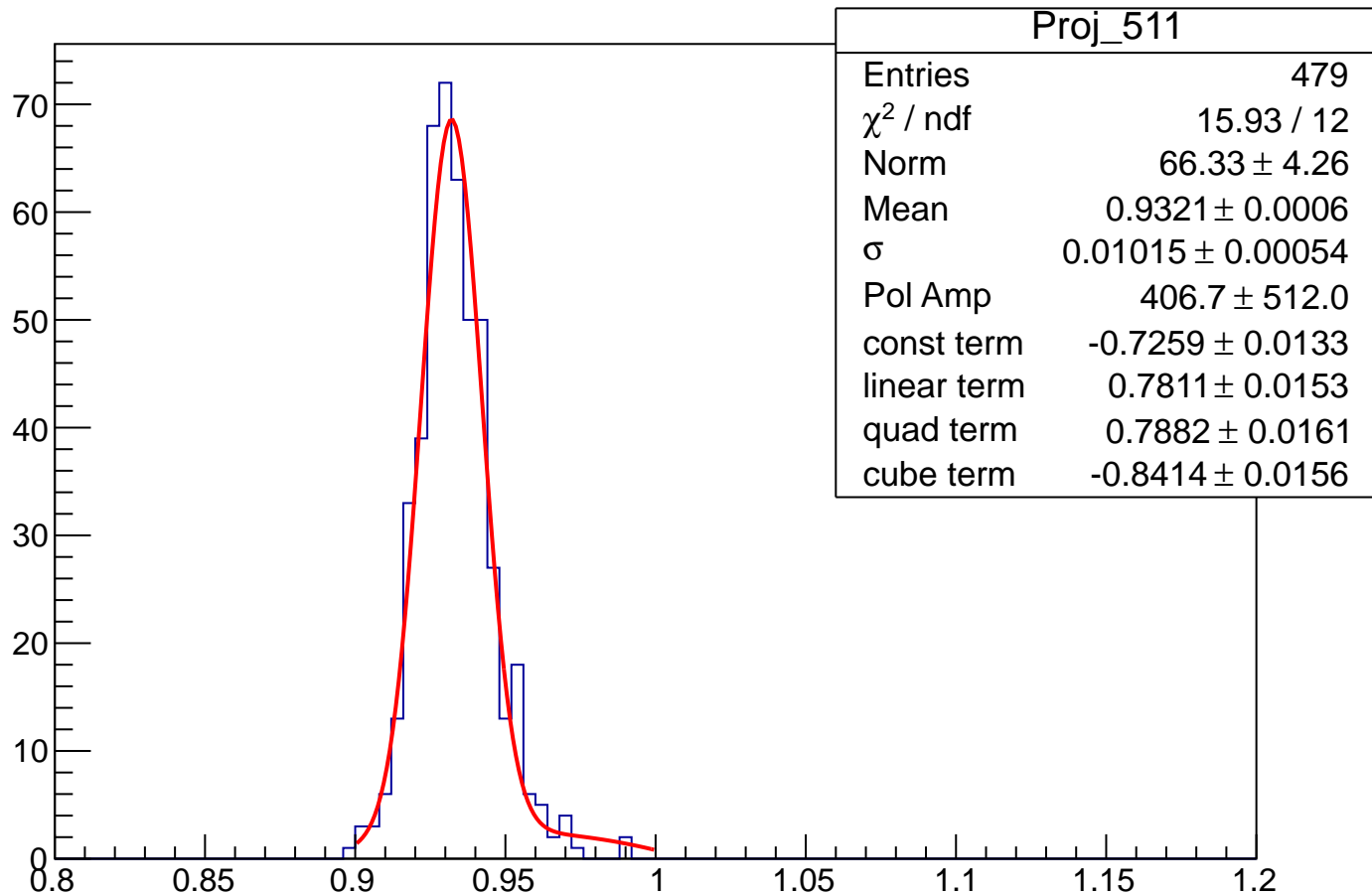
PhiThetaMassPip



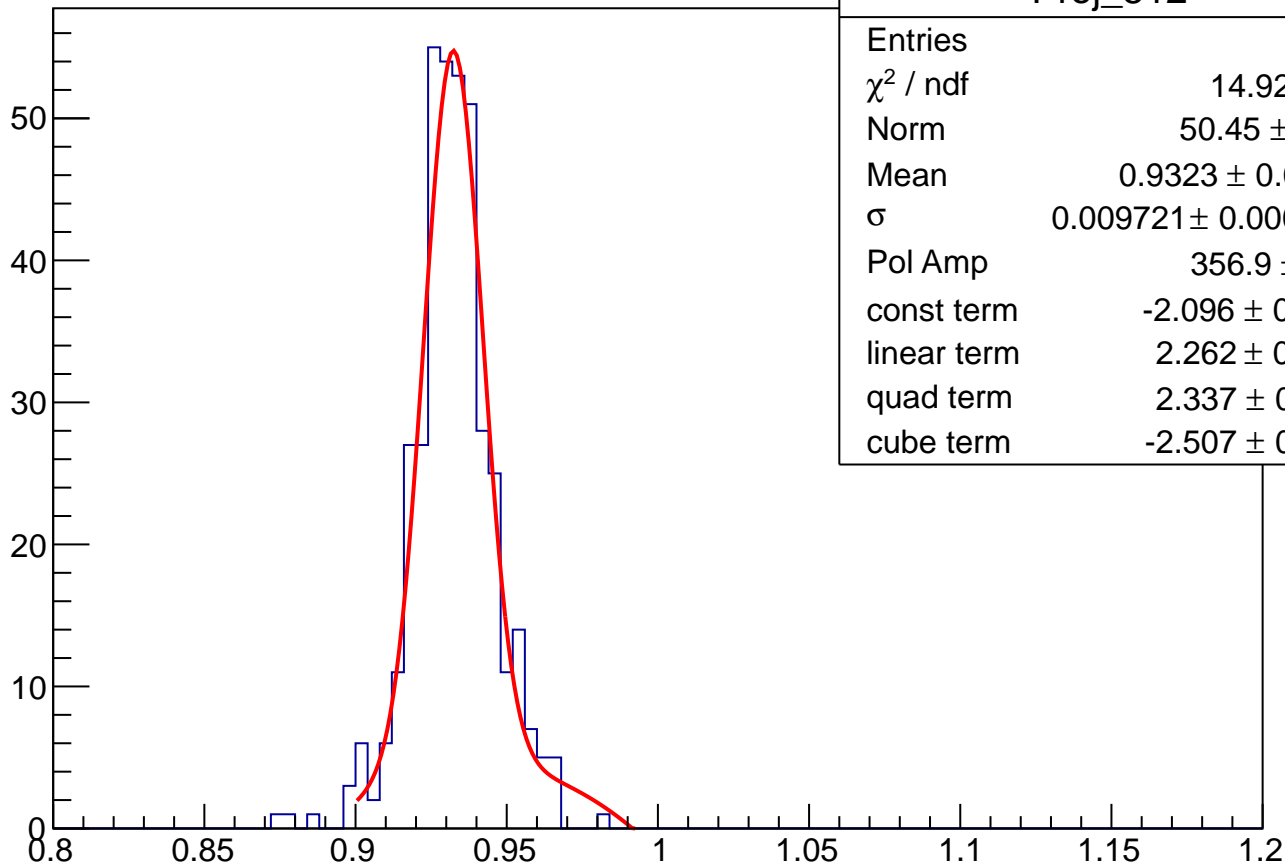
PhiThetaMassPip



PhiThetaMassPip



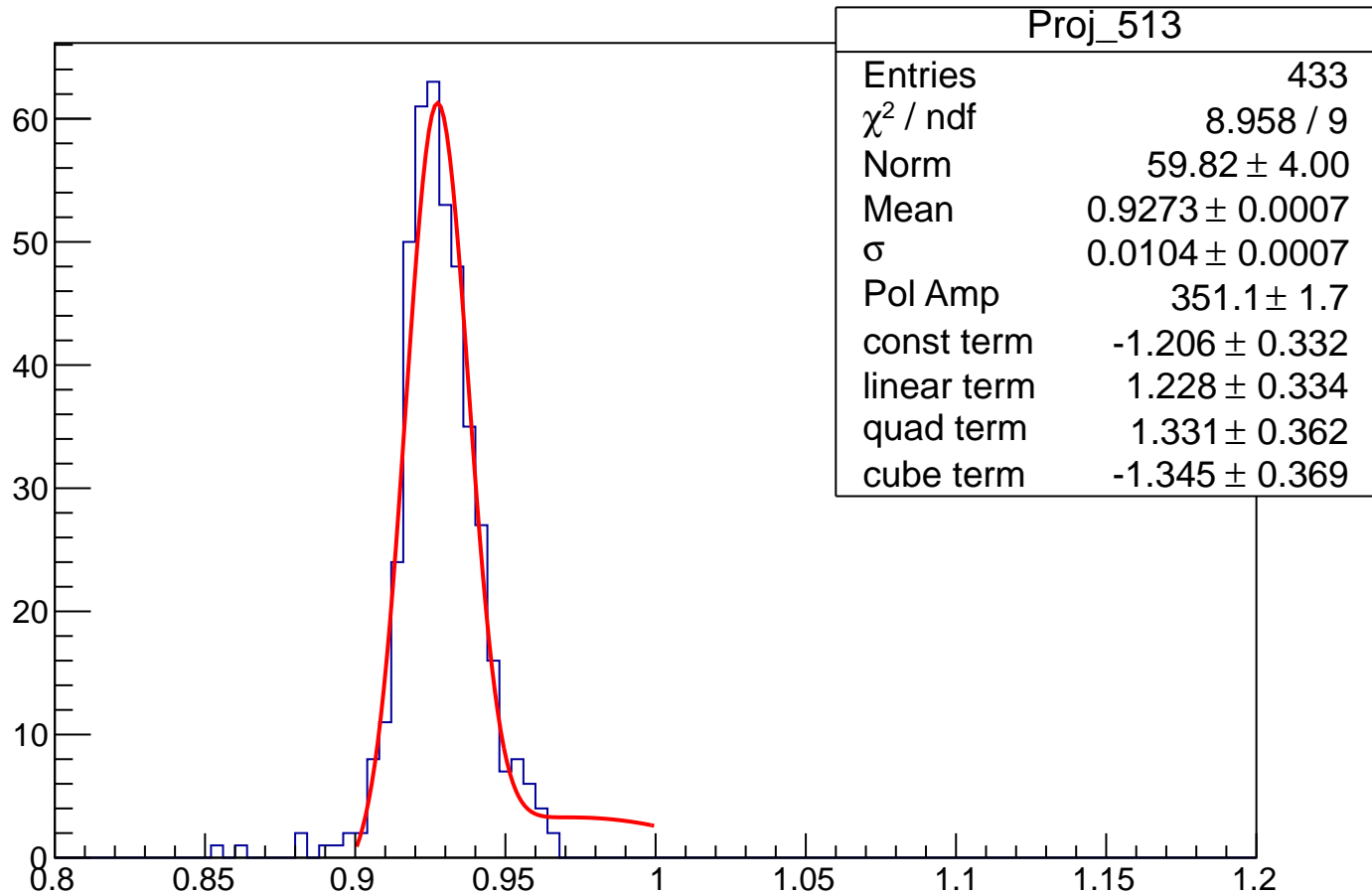
PhiThetaMassPip



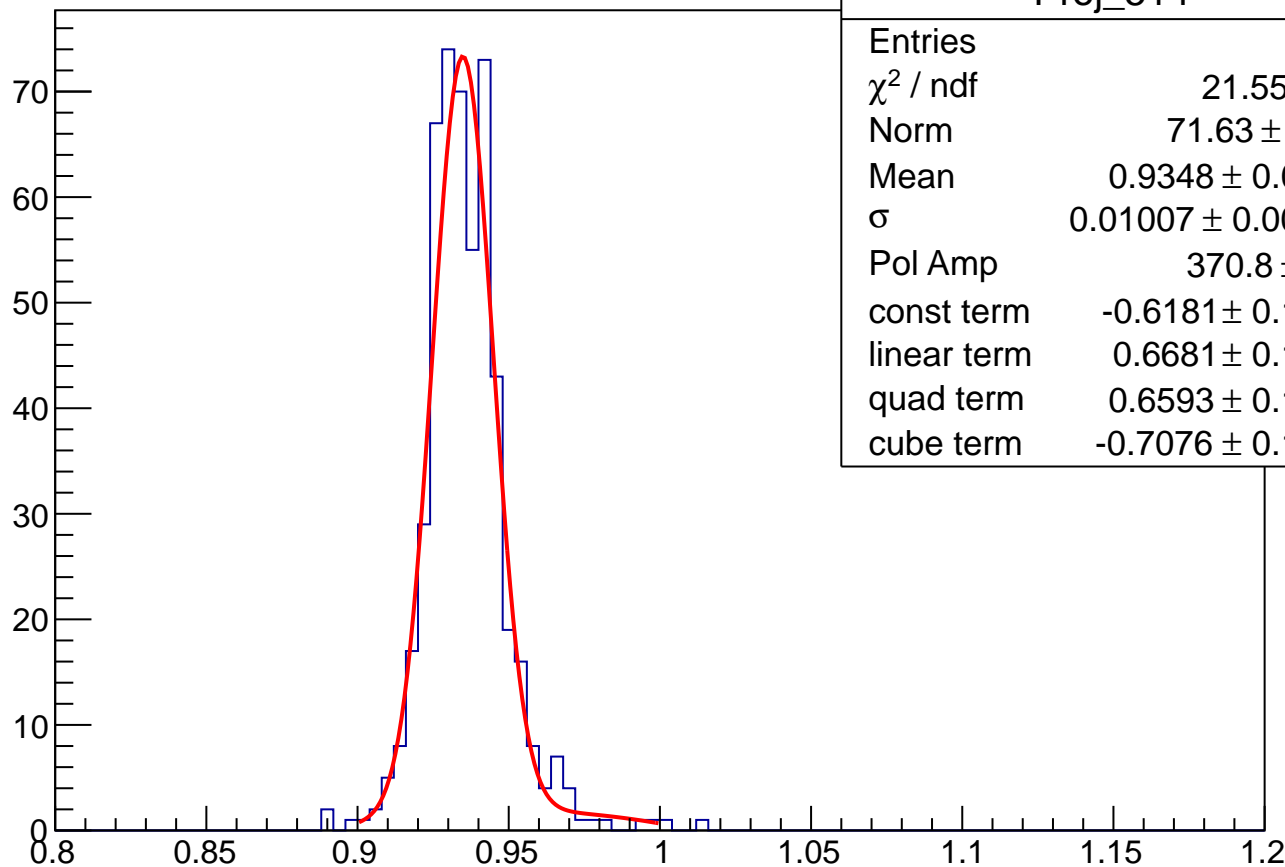
Proj_512

Entries	394
χ^2 / ndf	14.92 / 10
Norm	50.45 ± 4.11
Mean	0.9323 ± 0.0006
σ	0.009721 ± 0.000629
Pol Amp	356.9 ± 1.4
const term	-2.096 ± 0.613
linear term	2.262 ± 0.653
quad term	2.337 ± 0.680
cube term	-2.507 ± 0.724

PhiThetaMassPip



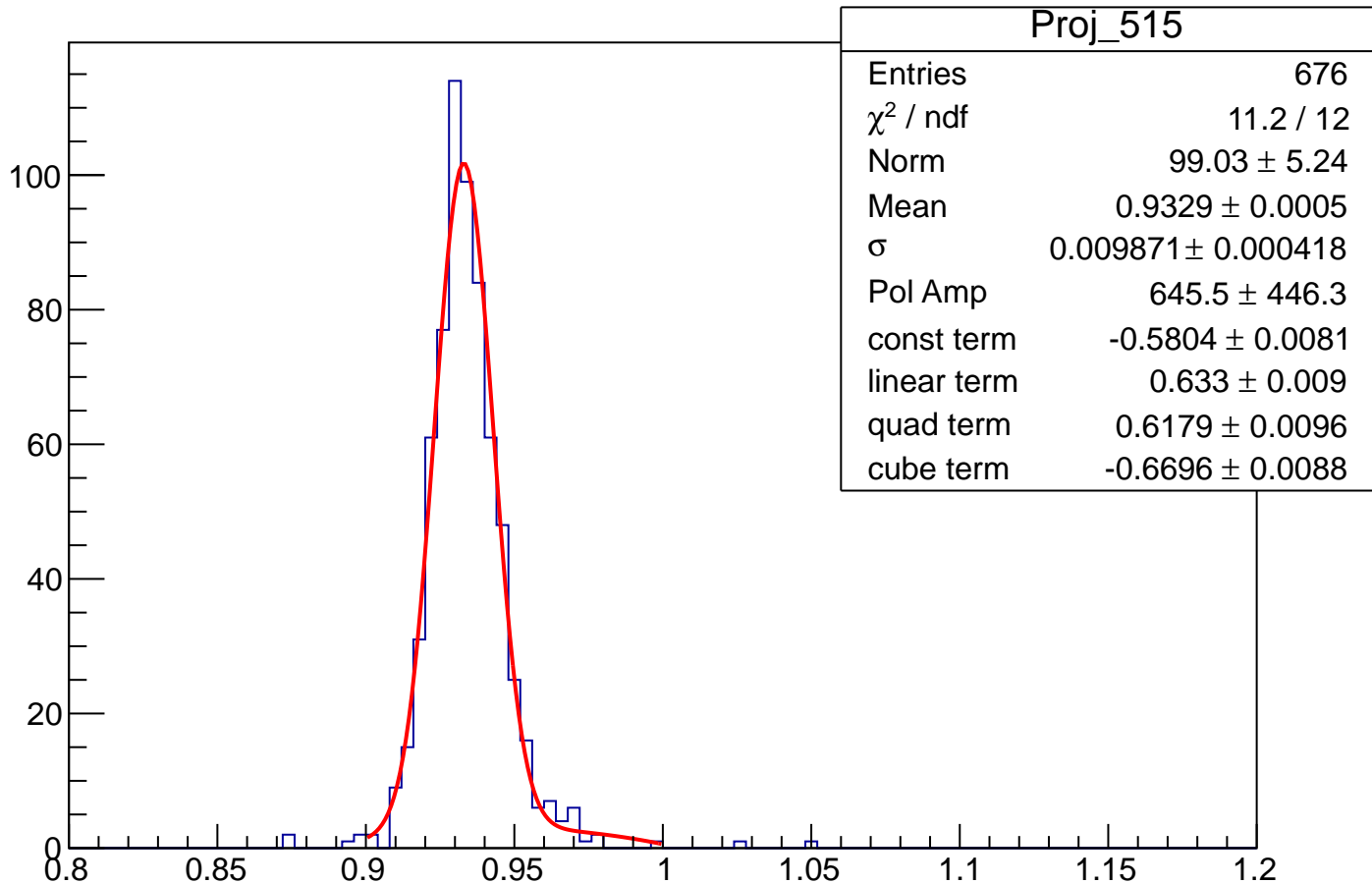
PhiThetaMassPip



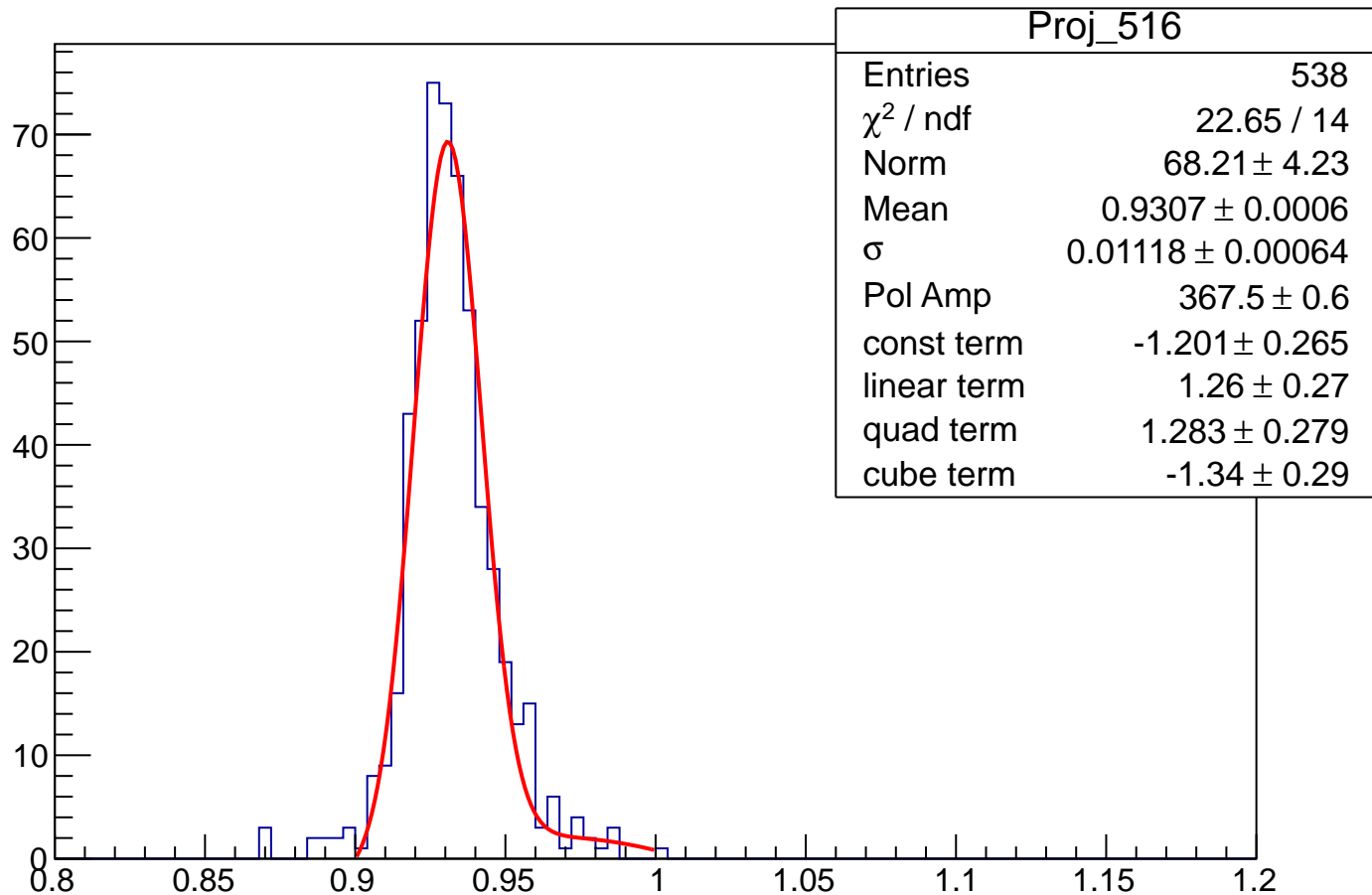
Proj_514

Entries	512
χ^2 / ndf	21.55 / 15
Norm	71.63 ± 4.32
Mean	0.9348 ± 0.0005
σ	0.01007 ± 0.00042
Pol Amp	370.8 ± 0.3
const term	-0.6181 ± 0.1579
linear term	0.6681 ± 0.1658
quad term	0.6593 ± 0.1655
cube term	-0.7076 ± 0.1743

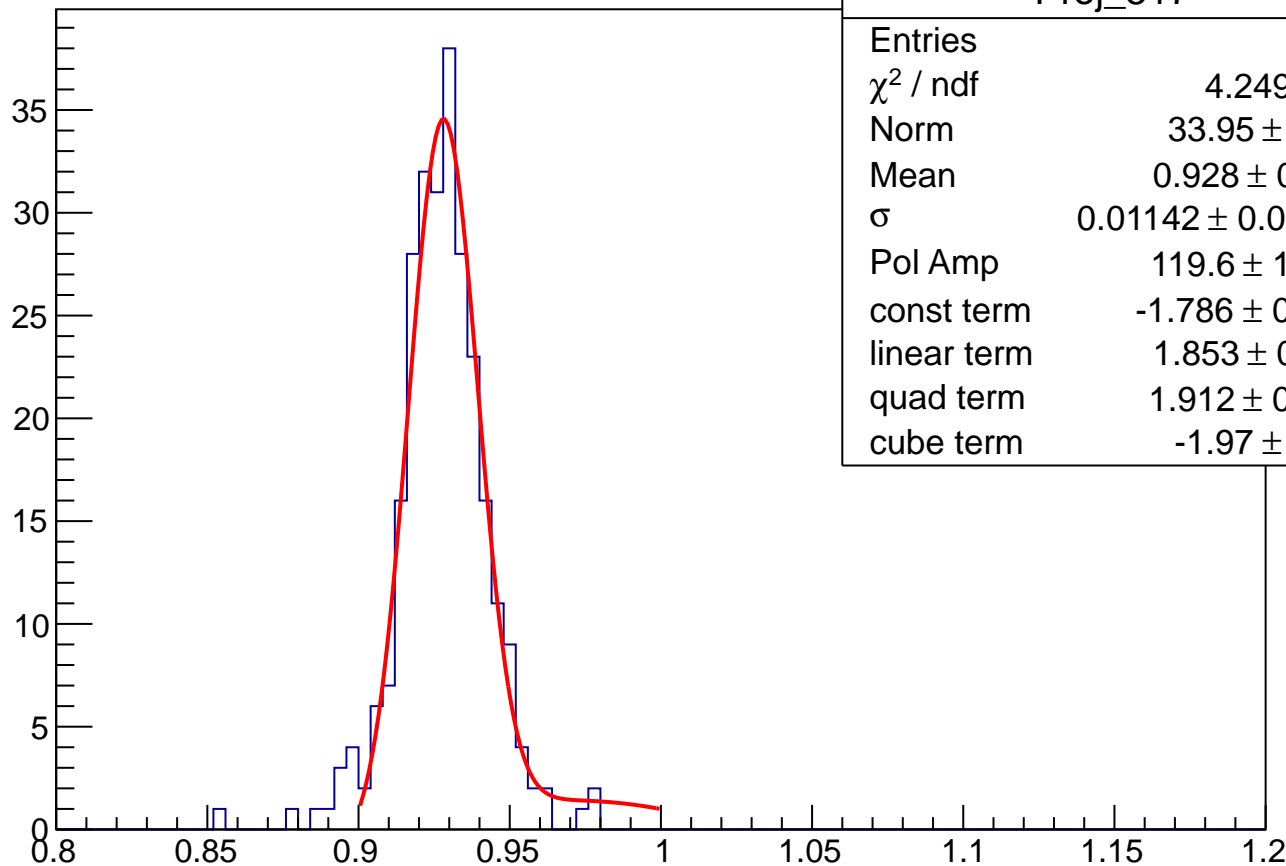
PhiThetaMassPip



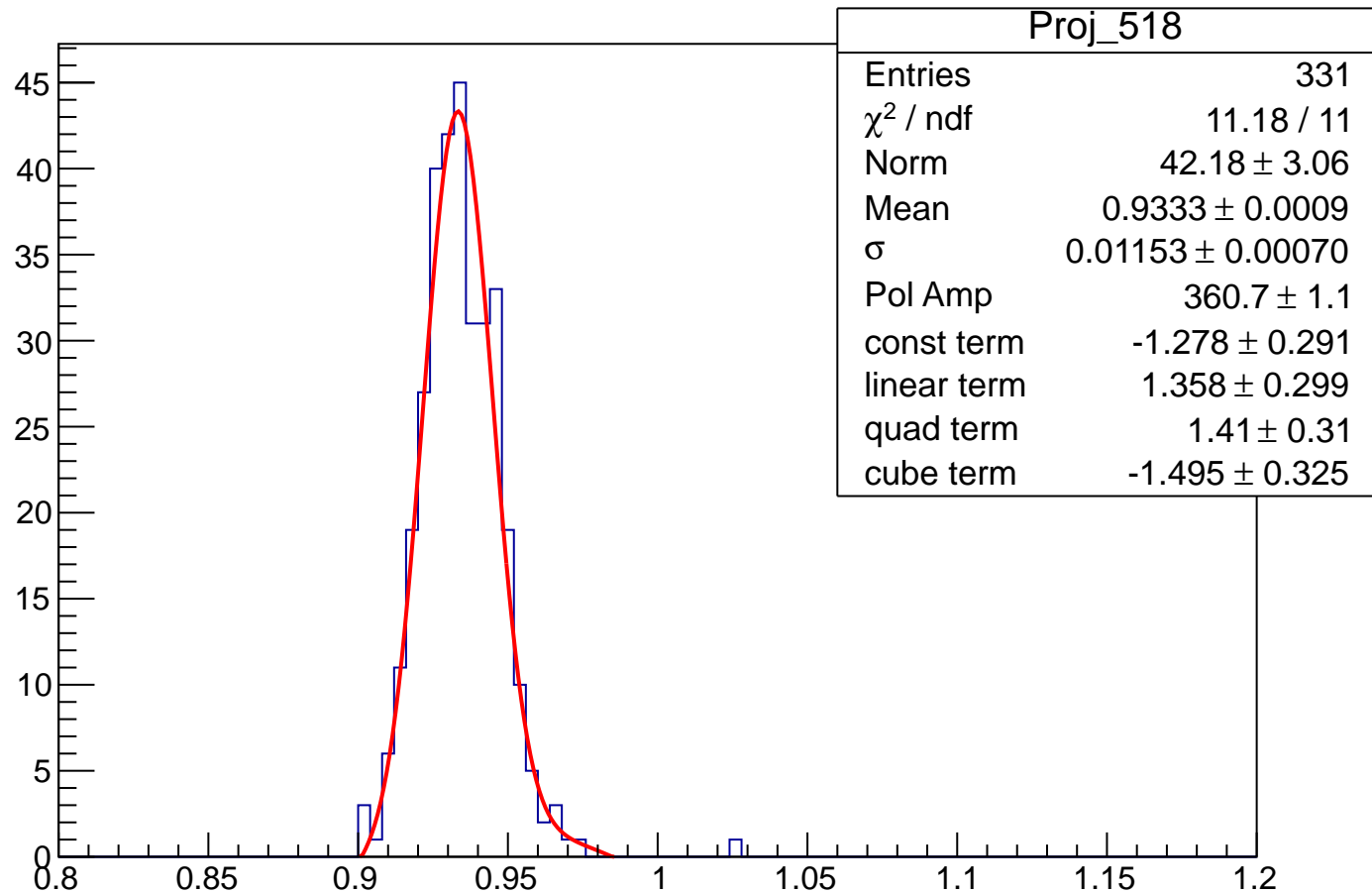
PhiThetaMassPip



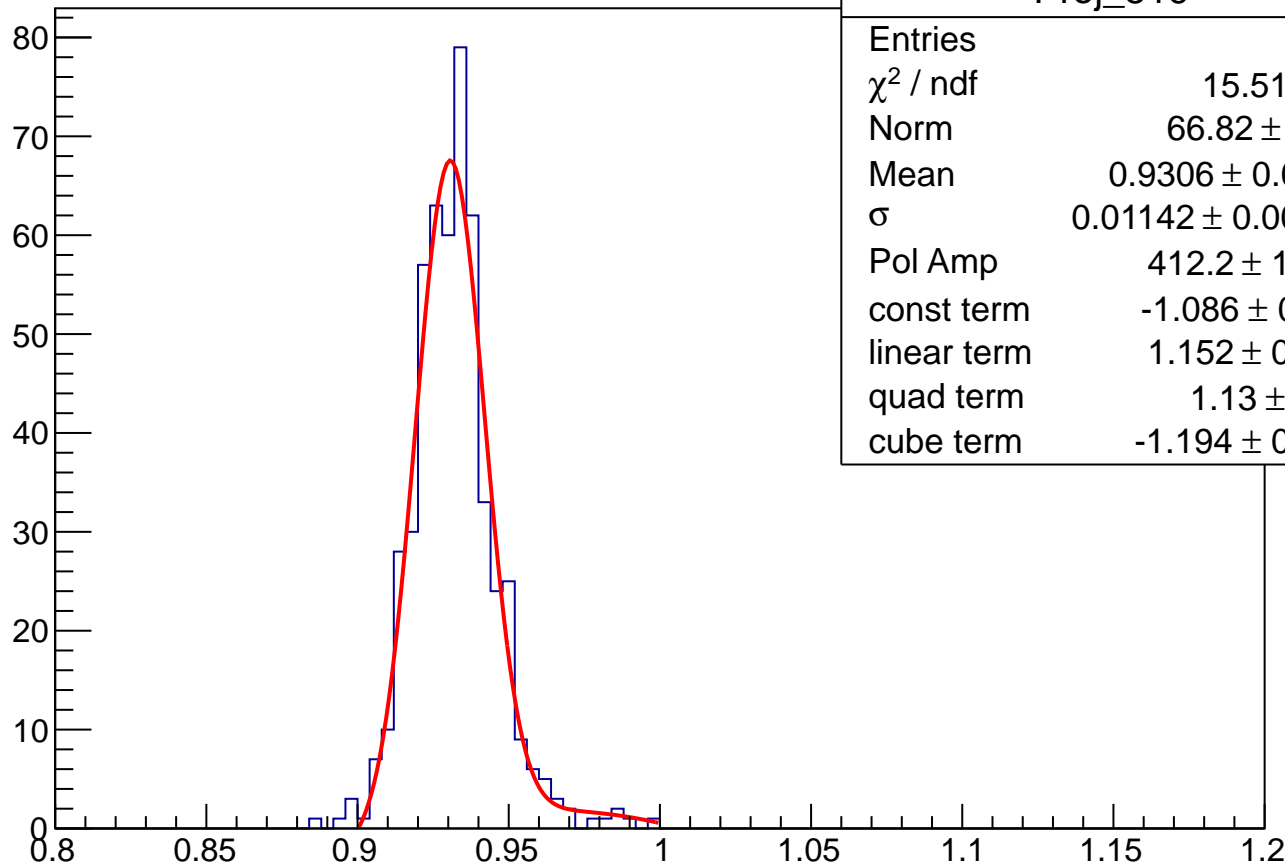
PhiThetaMassPip



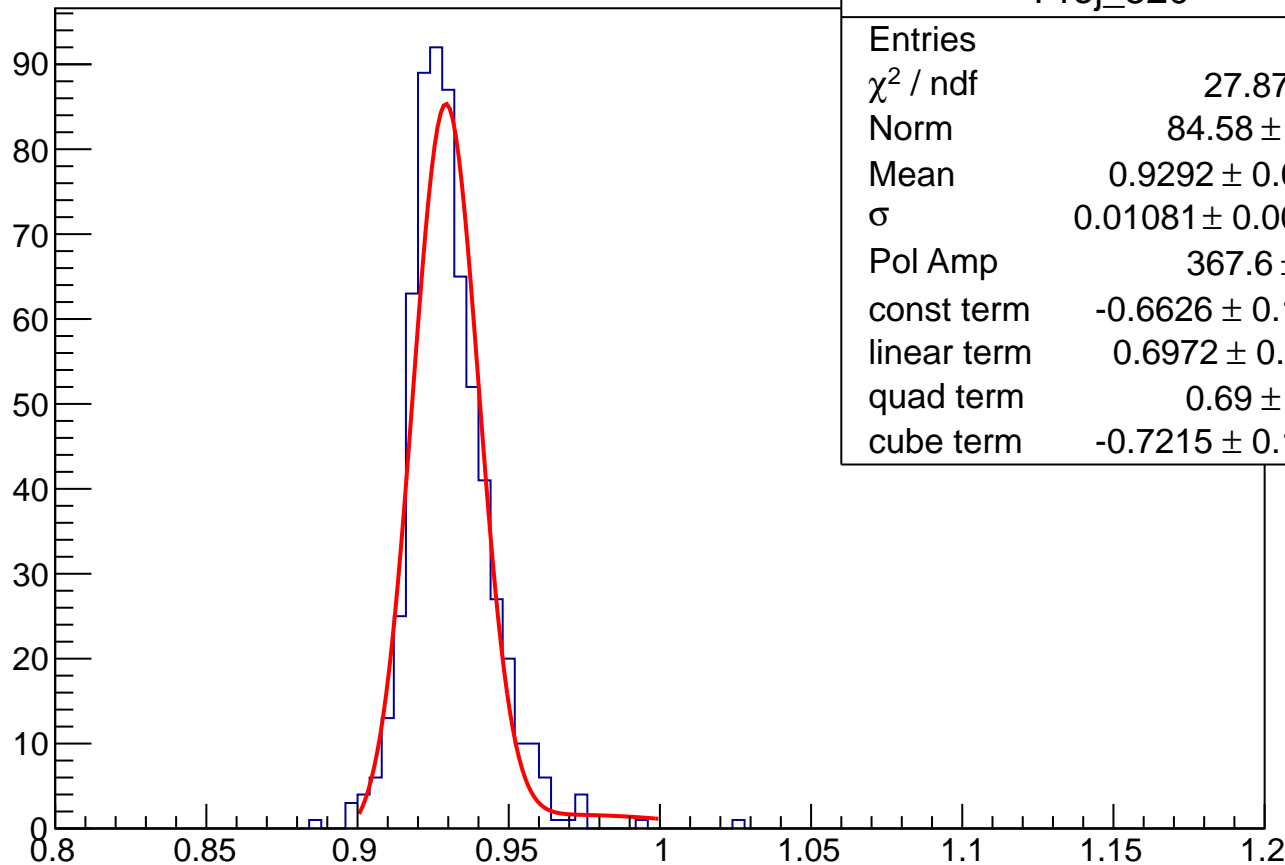
PhiThetaMassPip



PhiThetaMassPip



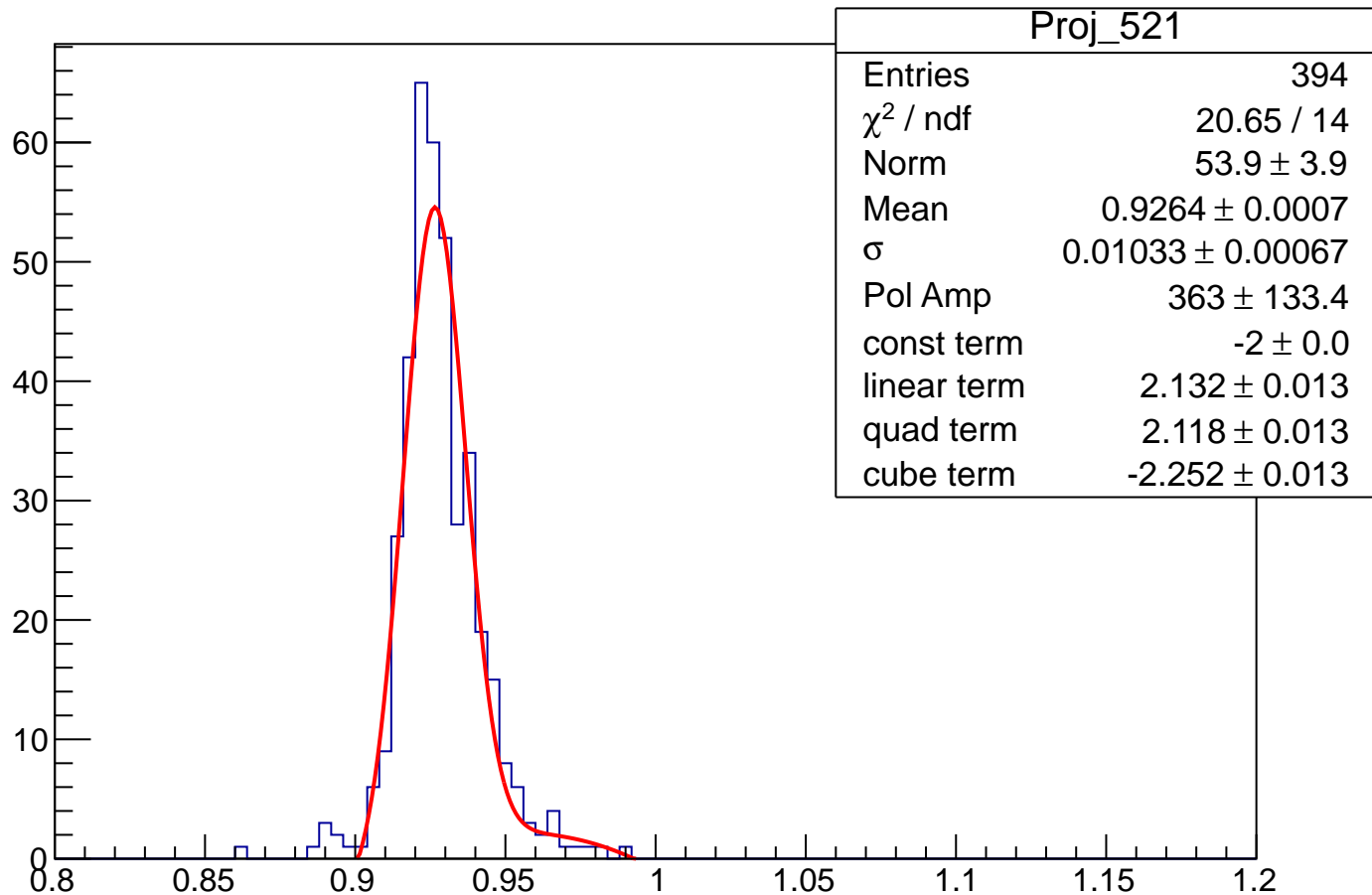
PhiThetaMassPip



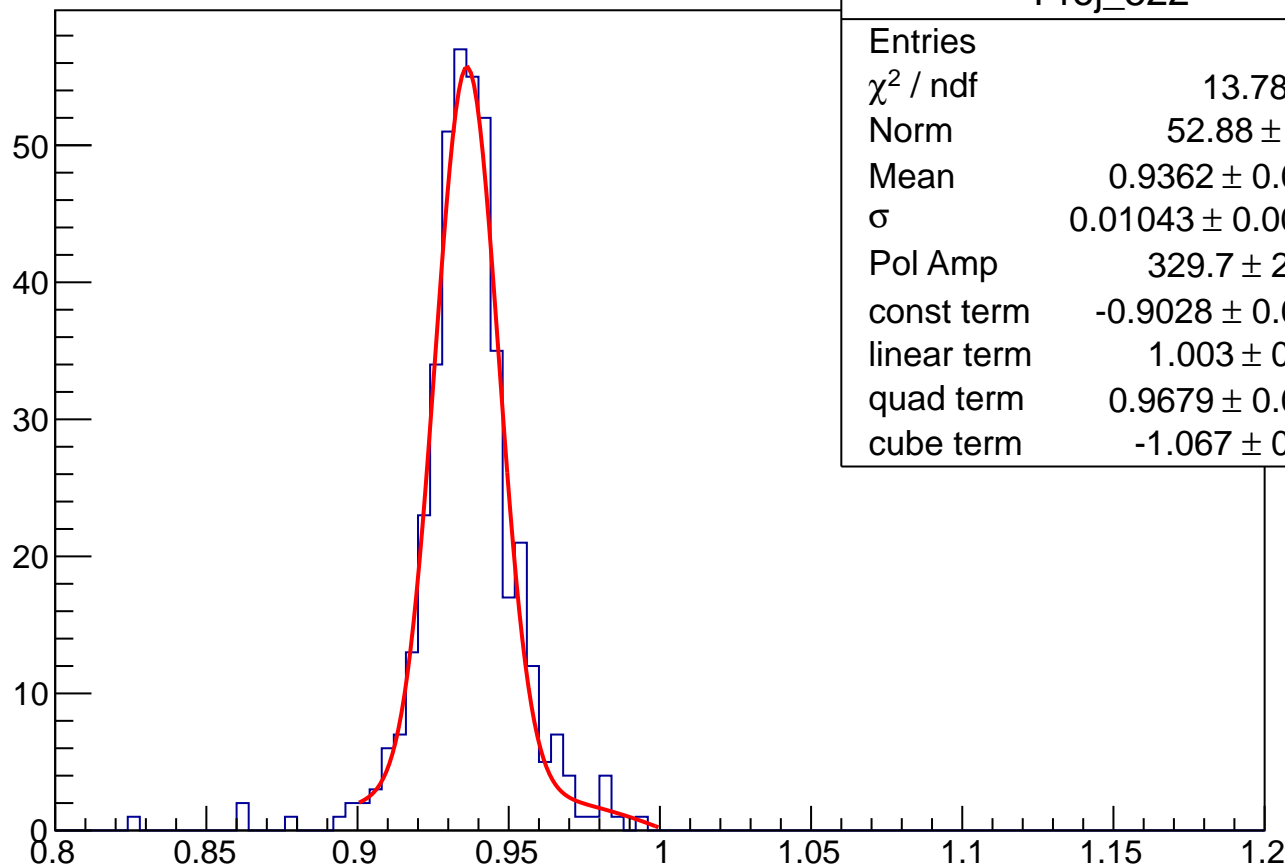
Proj_520

Entries	622
χ^2 / ndf	27.87 / 12
Norm	84.58 ± 4.78
Mean	0.9292 ± 0.0005
σ	0.01081 ± 0.00064
Pol Amp	367.6 ± 0.6
const term	-0.6626 ± 0.1843
linear term	0.6972 ± 0.1771
quad term	0.69 ± 0.18
cube term	-0.7215 ± 0.1780

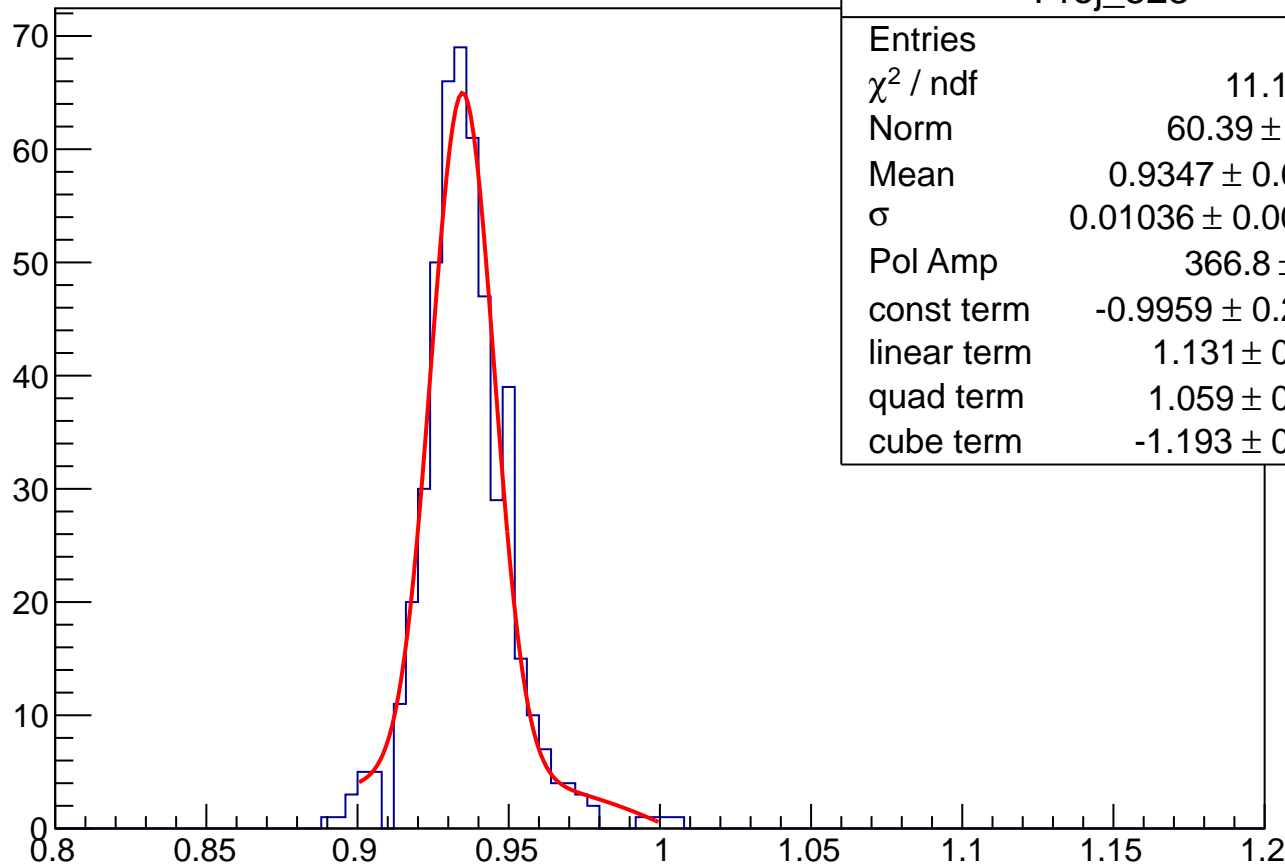
PhiThetaMassPip



PhiThetaMassPip



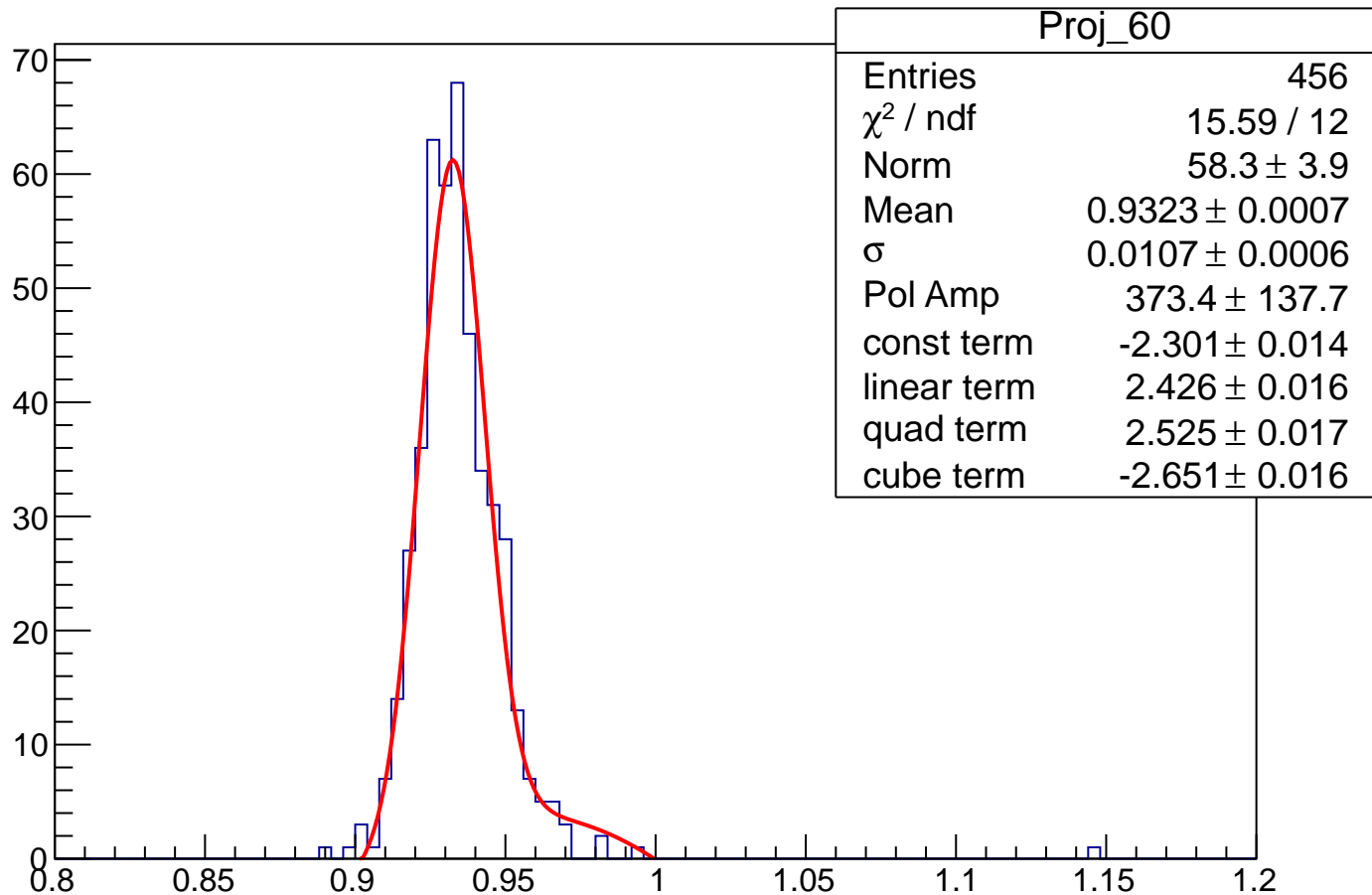
PhiThetaMassPip



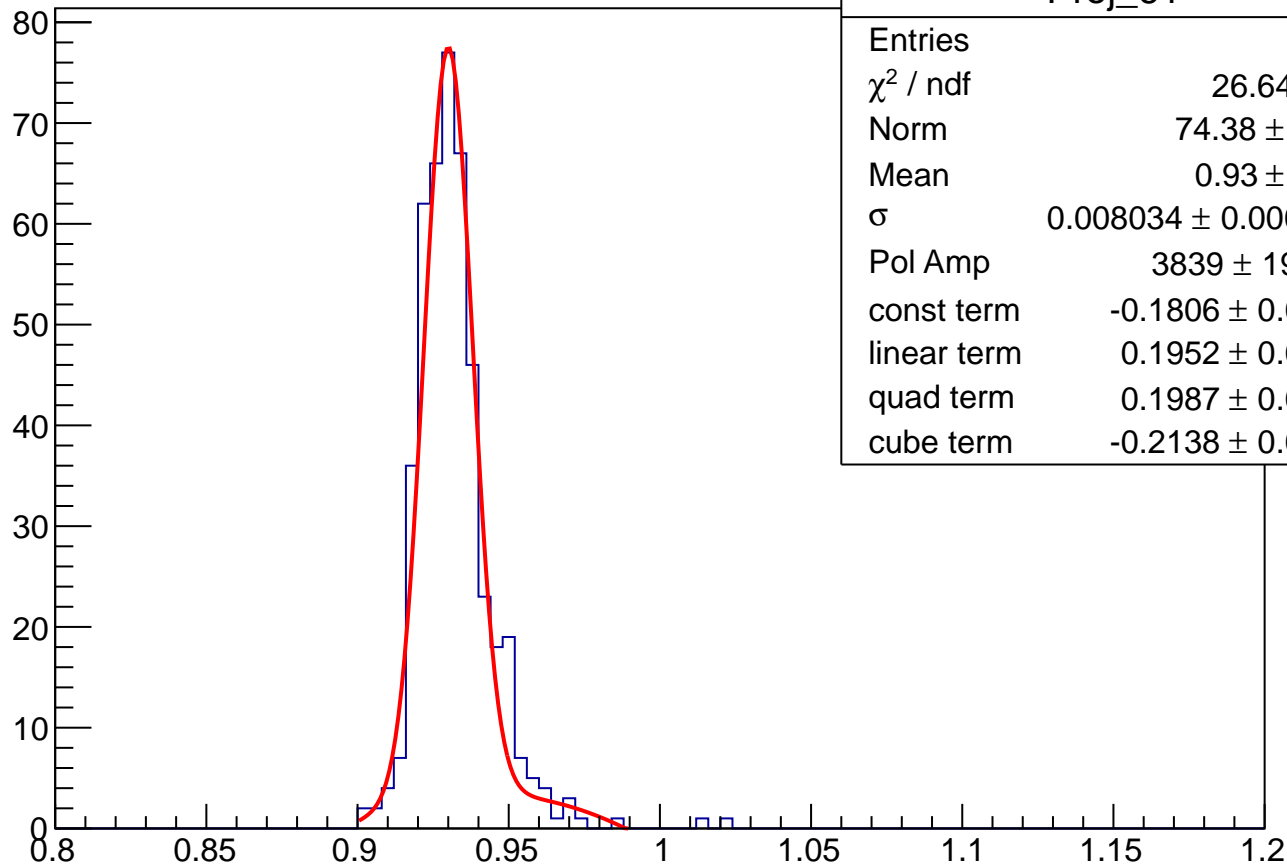
Proj_523

Entries	486
χ^2 / ndf	11.1 / 13
Norm	60.39 ± 4.24
Mean	0.9347 ± 0.0006
σ	0.01036 ± 0.00064
Pol Amp	366.8 ± 0.5
const term	-0.9959 ± 0.2010
linear term	1.131 ± 0.206
quad term	1.059 ± 0.202
cube term	-1.193 ± 0.209

PhiThetaMassPip



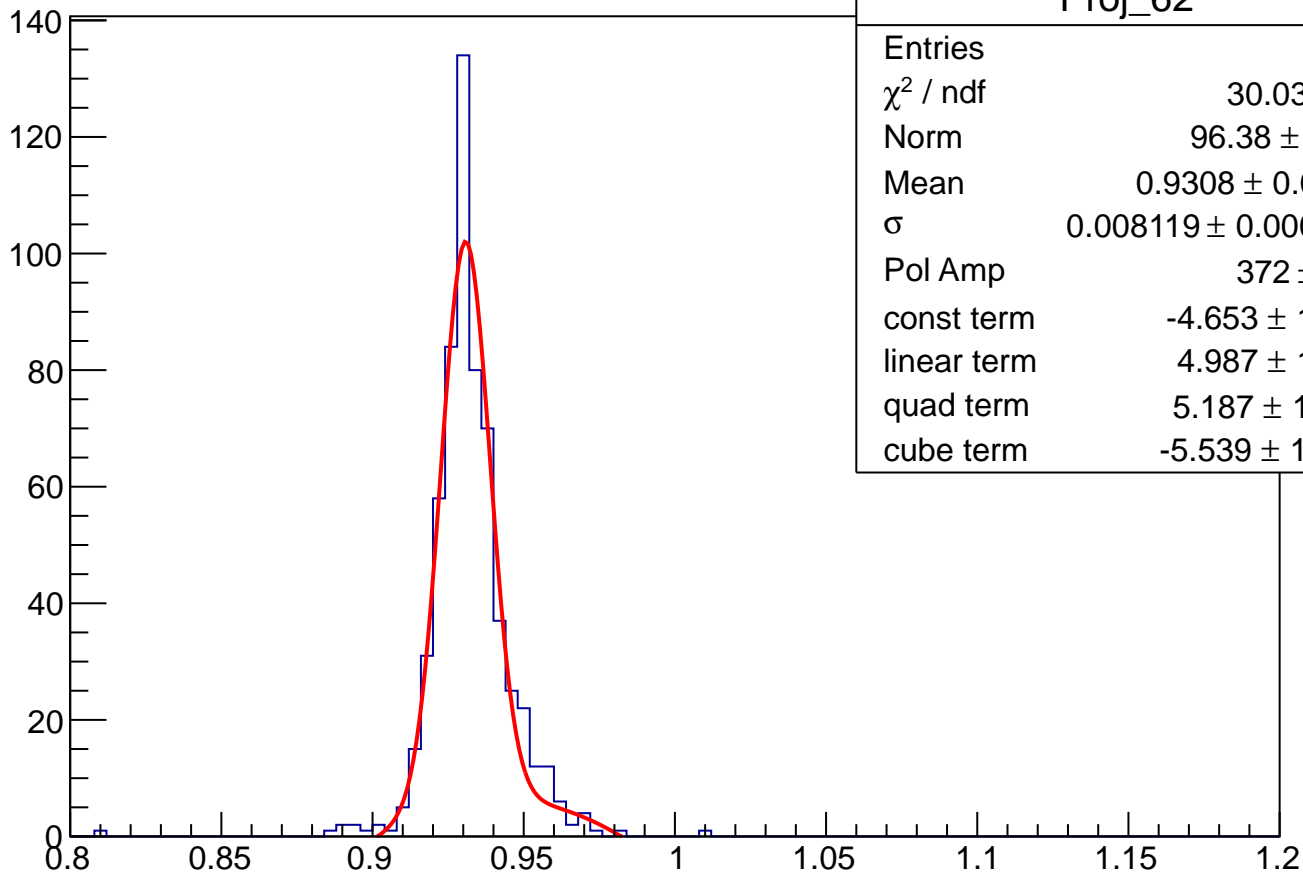
PhiThetaMassPip



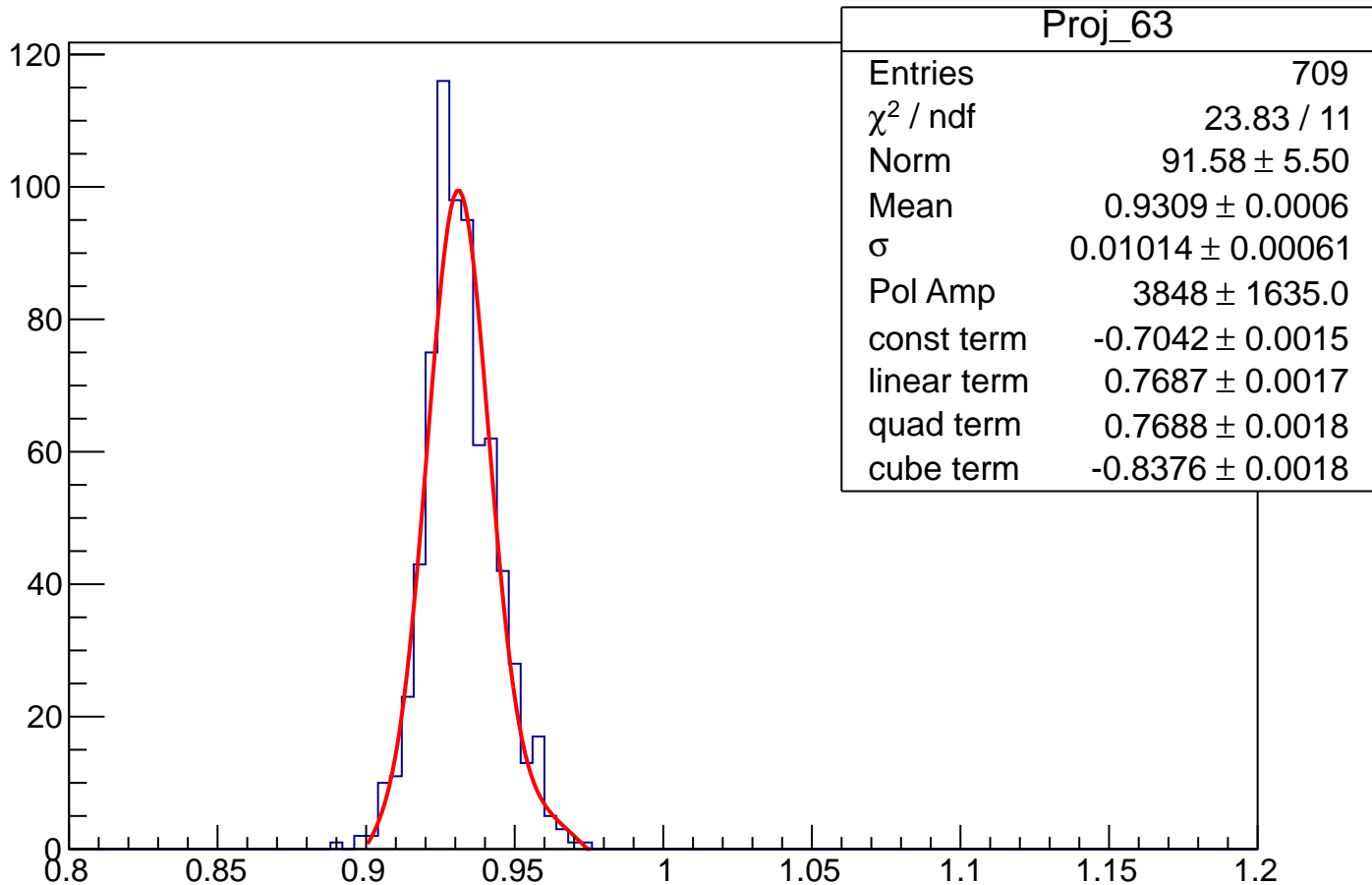
Proj_61

Entries	453
χ^2 / ndf	26.64 / 12
Norm	74.38 ± 5.18
Mean	0.93 ± 0.00
σ	0.008034 ± 0.000450
Pol Amp	3839 ± 1947.1
const term	-0.1806 ± 0.0012
linear term	0.1952 ± 0.0014
quad term	0.1987 ± 0.0014
cube term	-0.2138 ± 0.0013

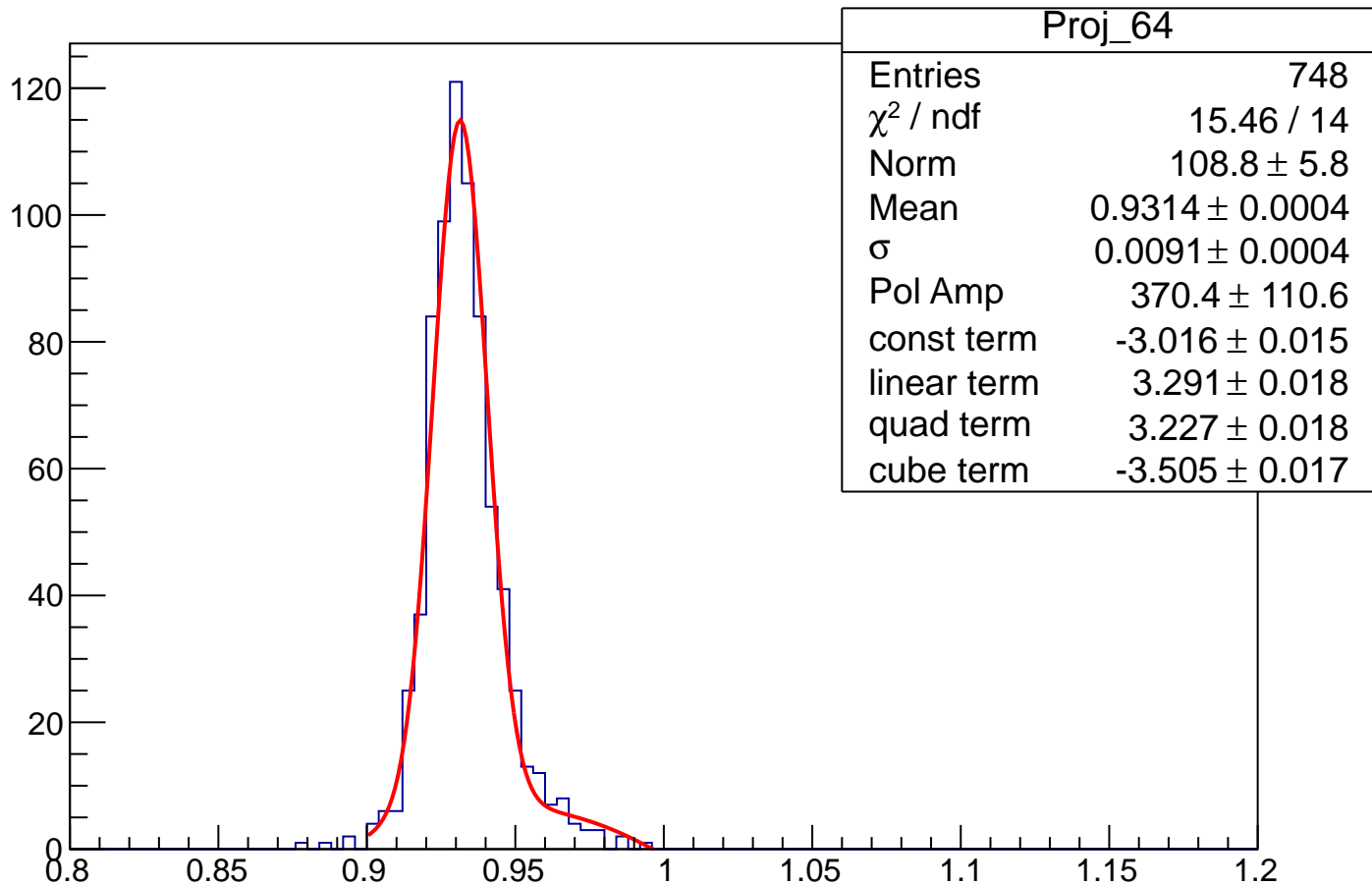
PhiThetaMassPip



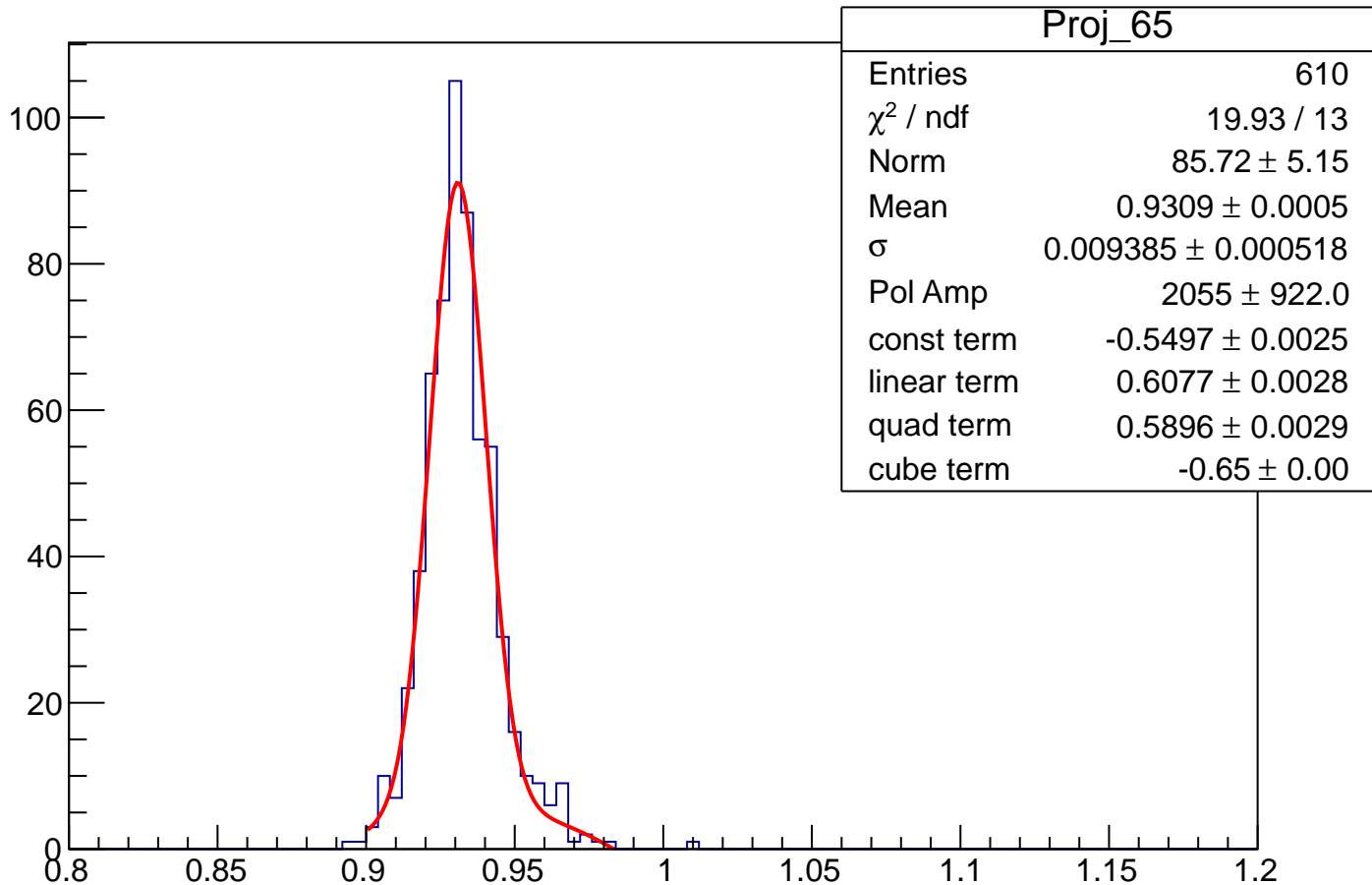
PhiThetaMassPip



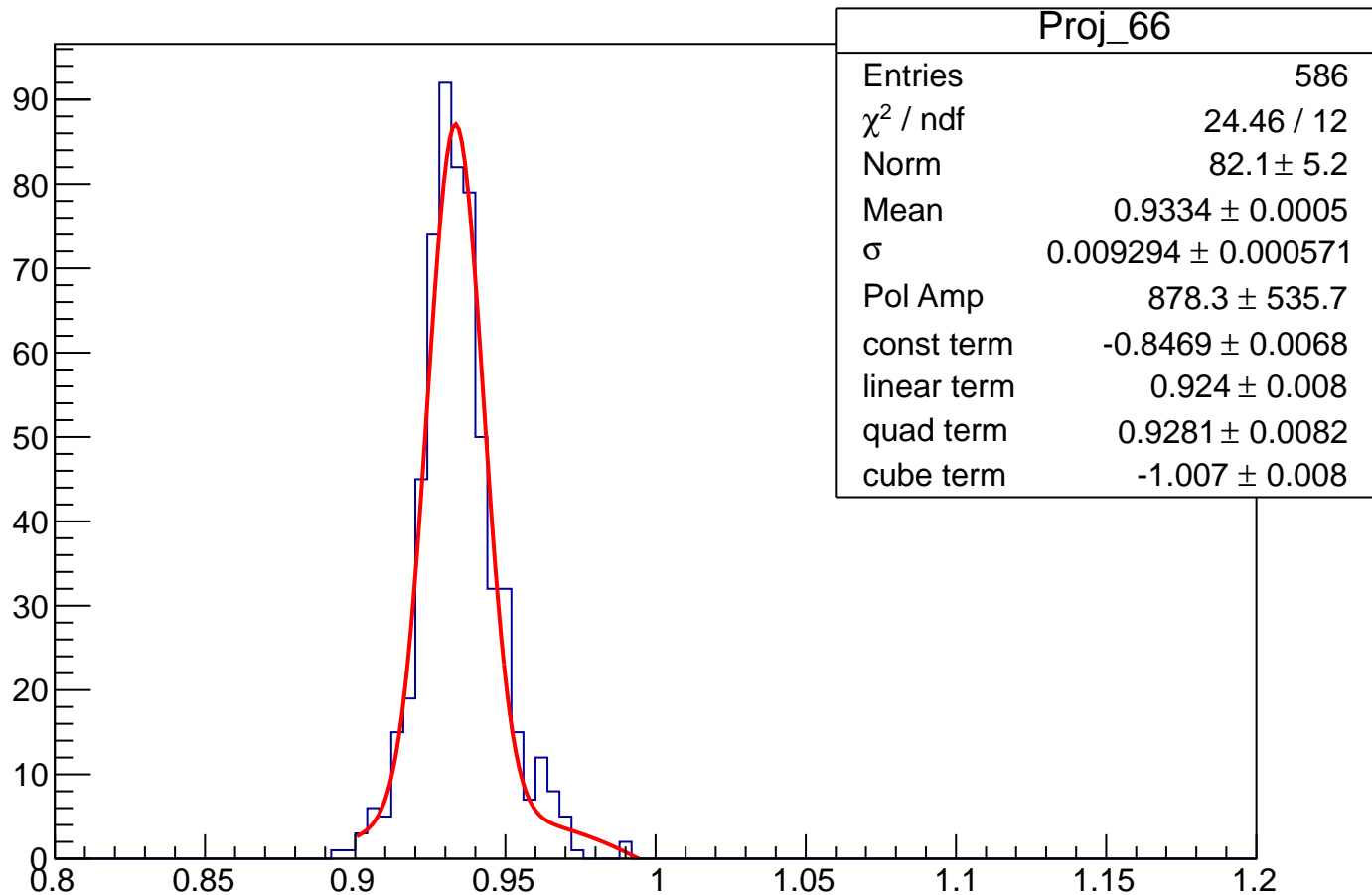
PhiThetaMassPip



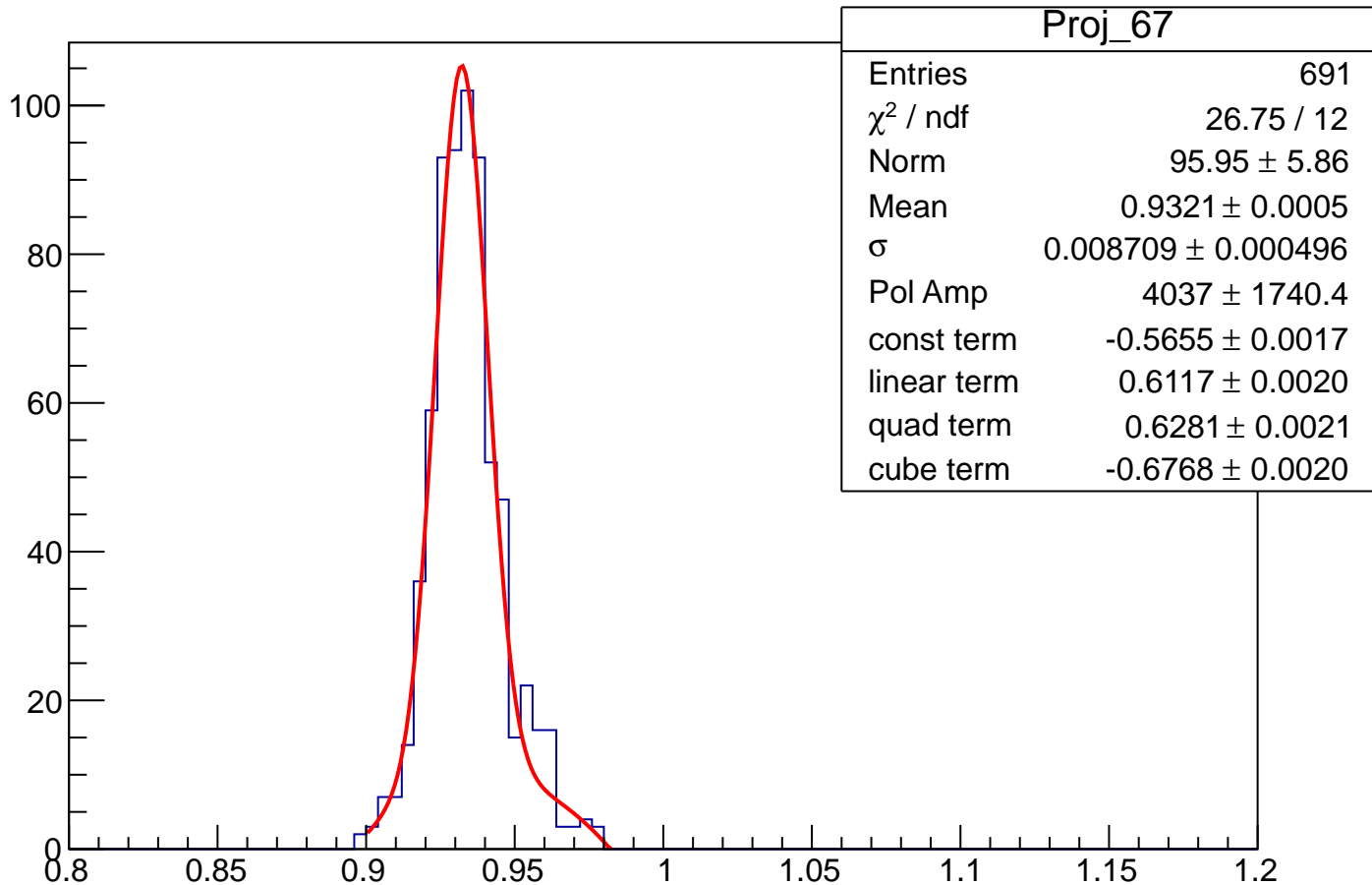
PhiThetaMassPip



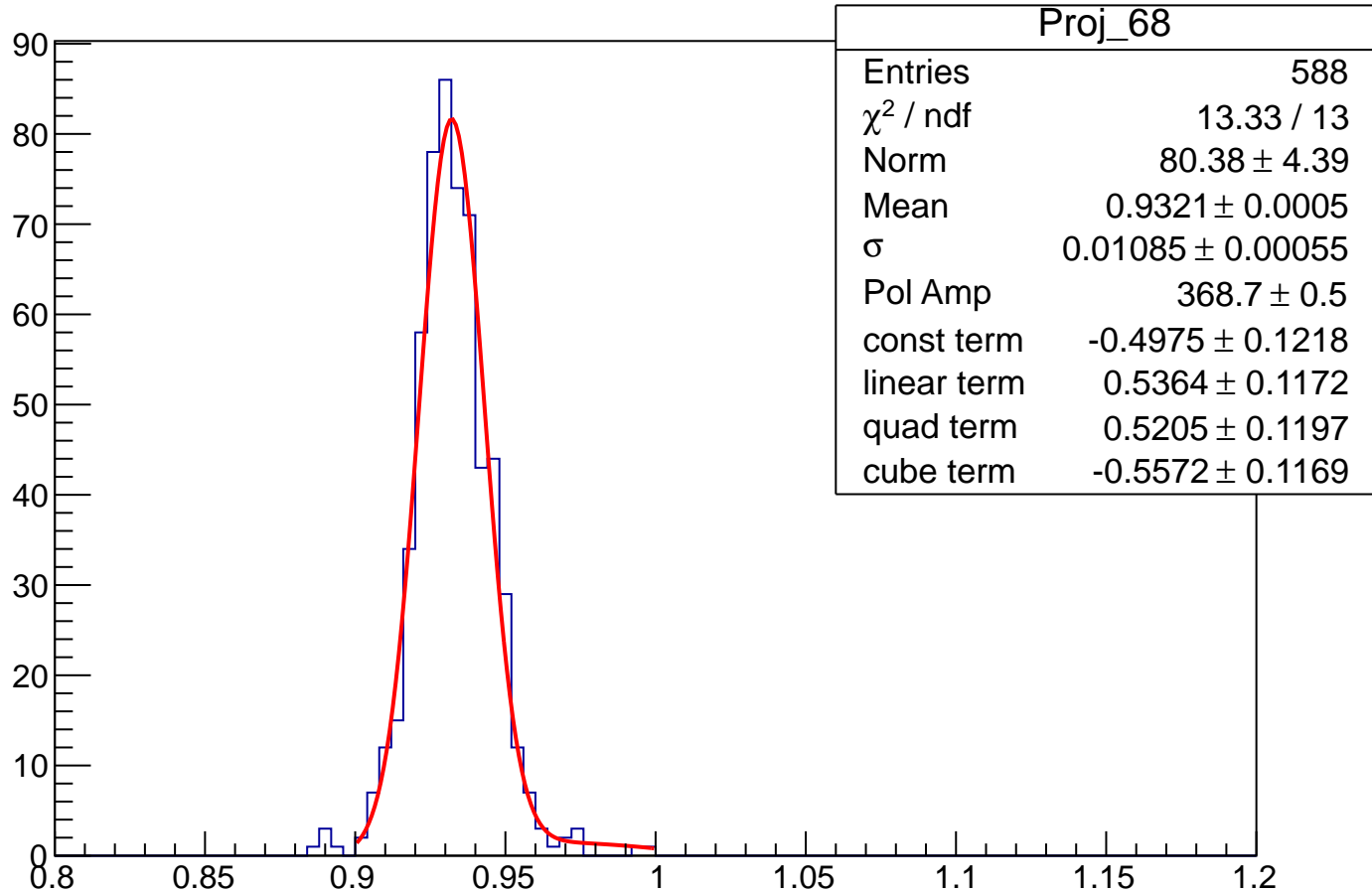
PhiThetaMassPip



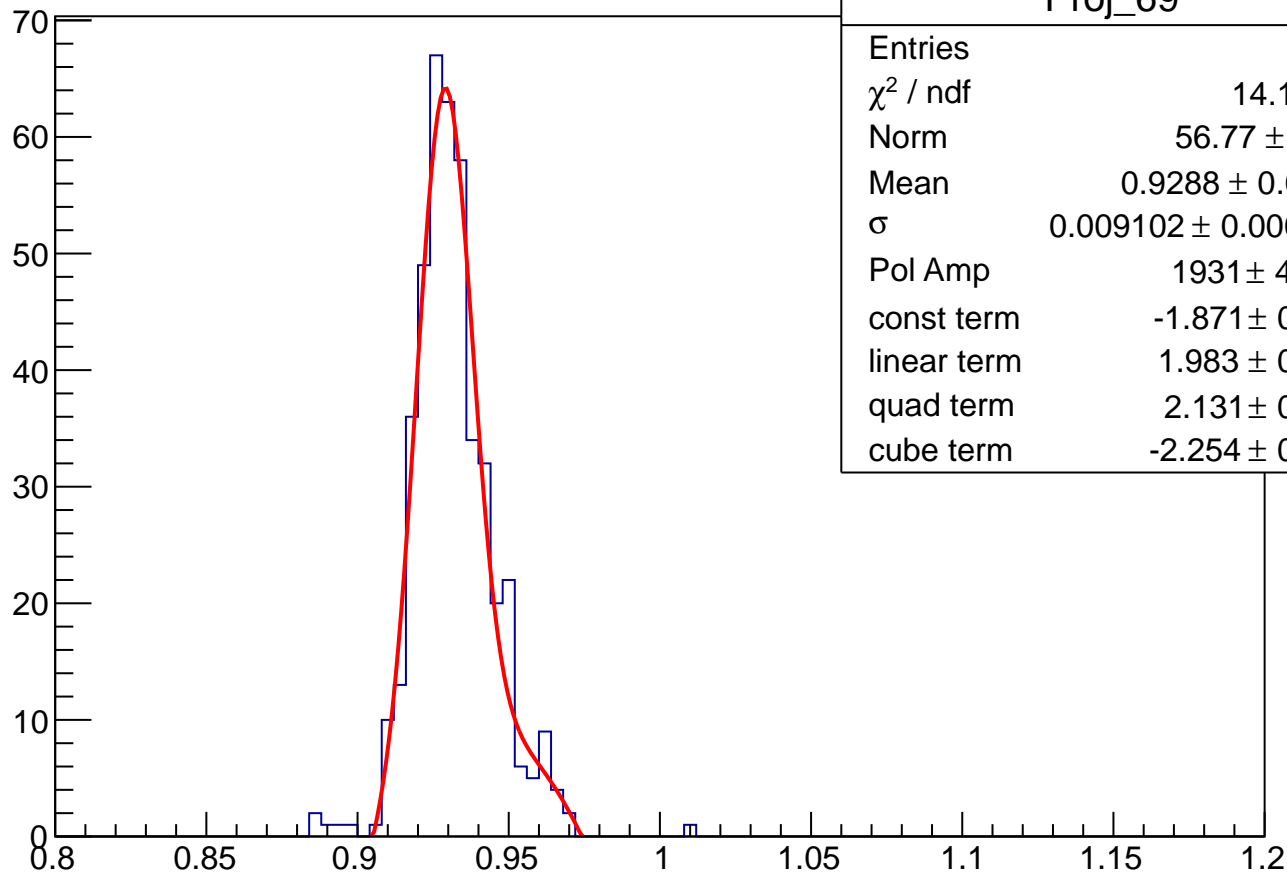
PhiThetaMassPip



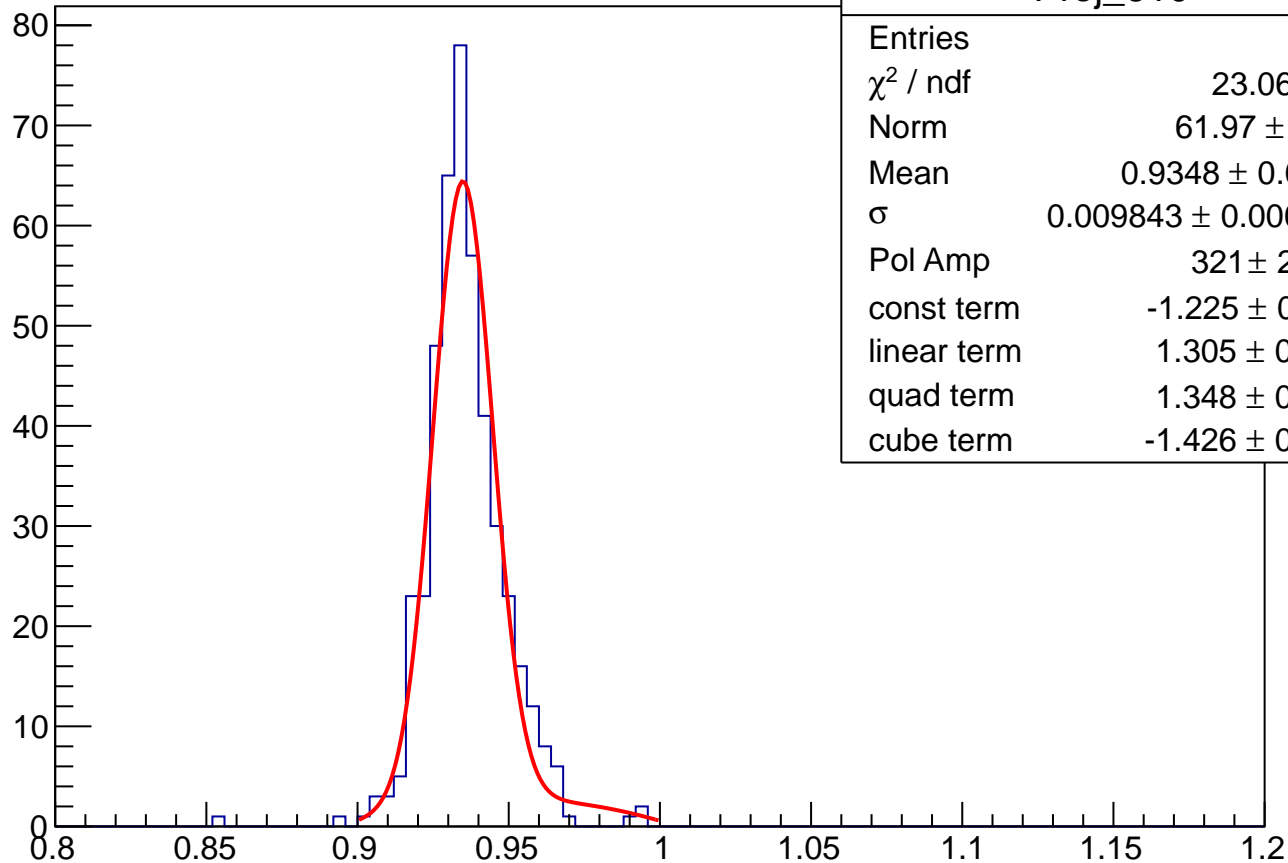
PhiThetaMassPip



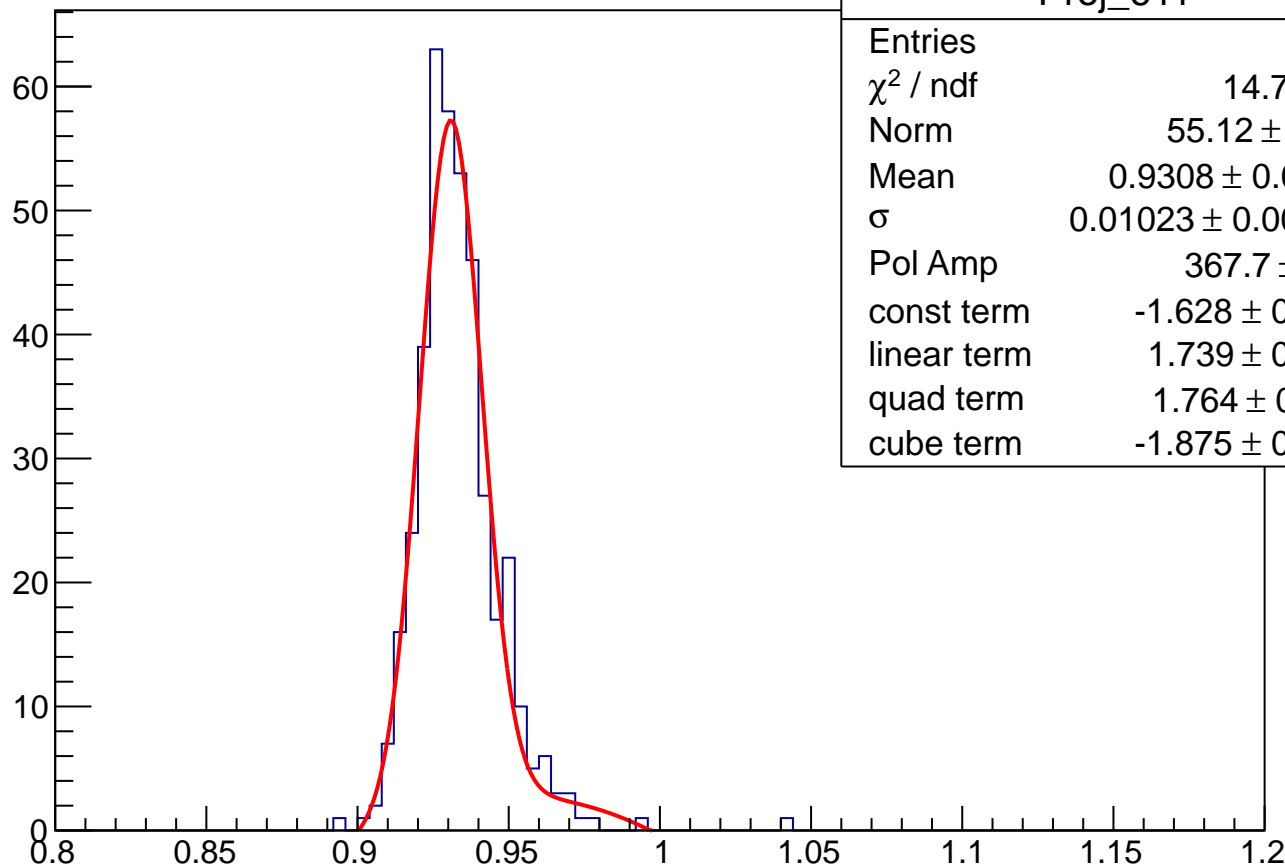
PhiThetaMassPip



PhiThetaMassPip



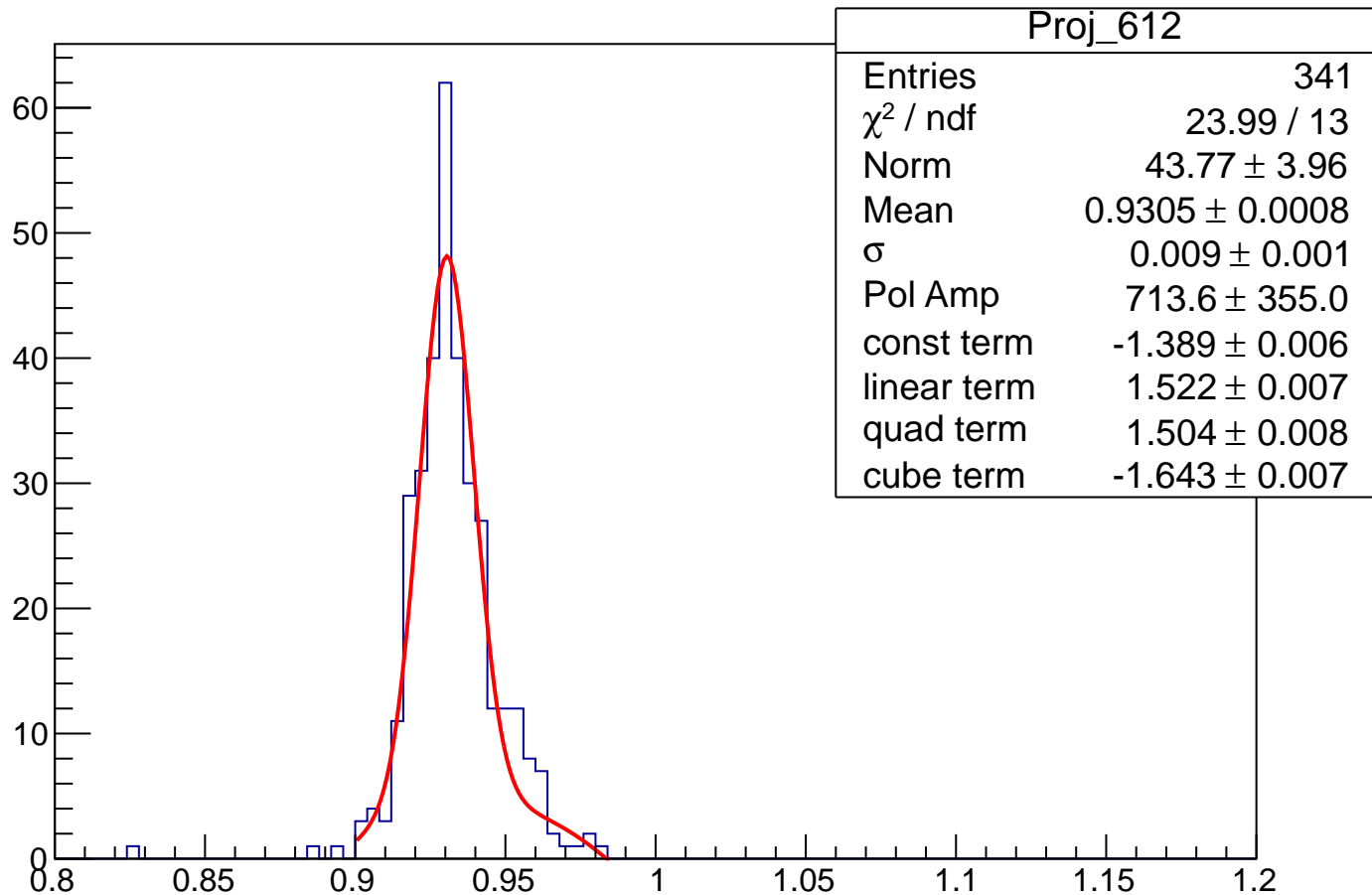
PhiThetaMassPip



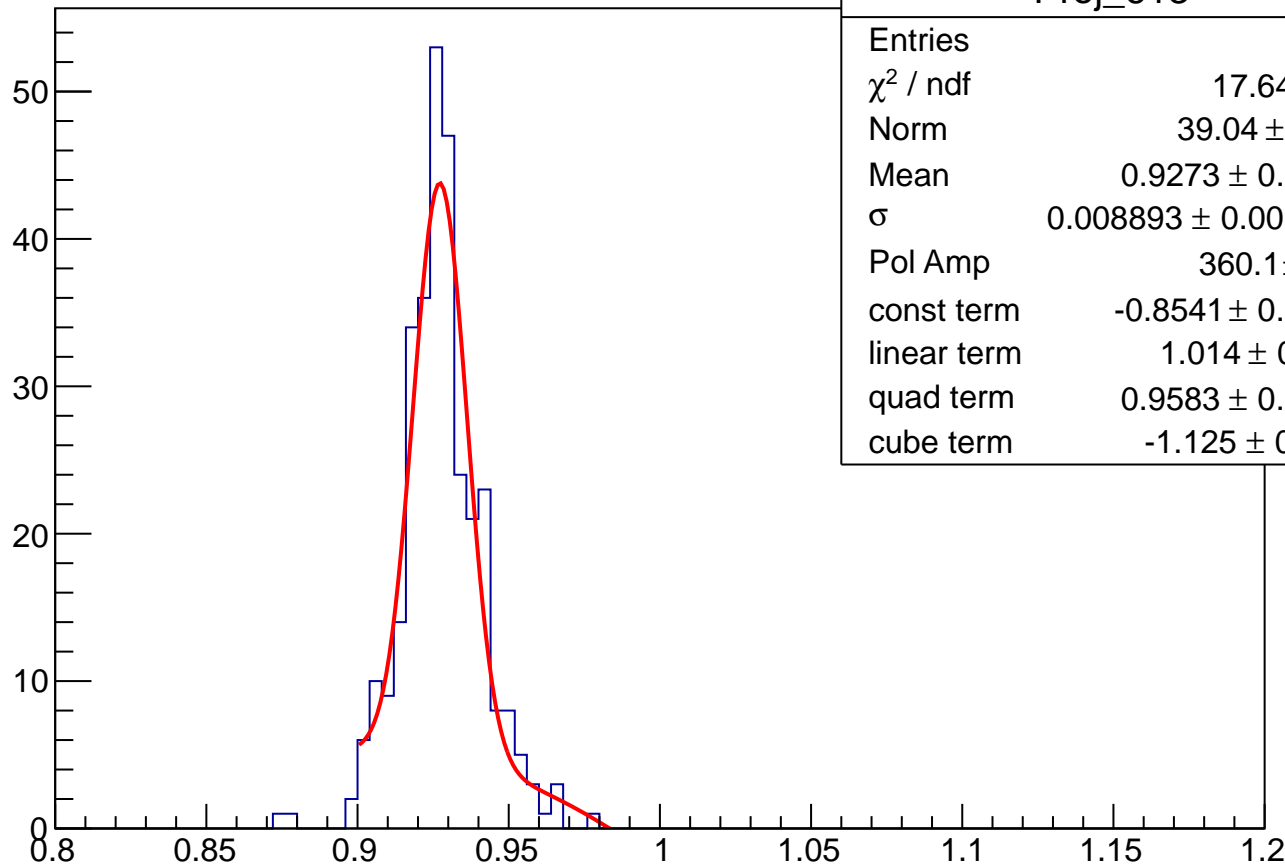
Proj_611

Entries	407
χ^2 / ndf	14.7 / 13
Norm	55.12 ± 4.00
Mean	0.9308 ± 0.0006
σ	0.01023 ± 0.00053
Pol Amp	367.7 ± 0.5
const term	-1.628 ± 0.419
linear term	1.739 ± 0.443
quad term	1.764 ± 0.451
cube term	-1.875 ± 0.476

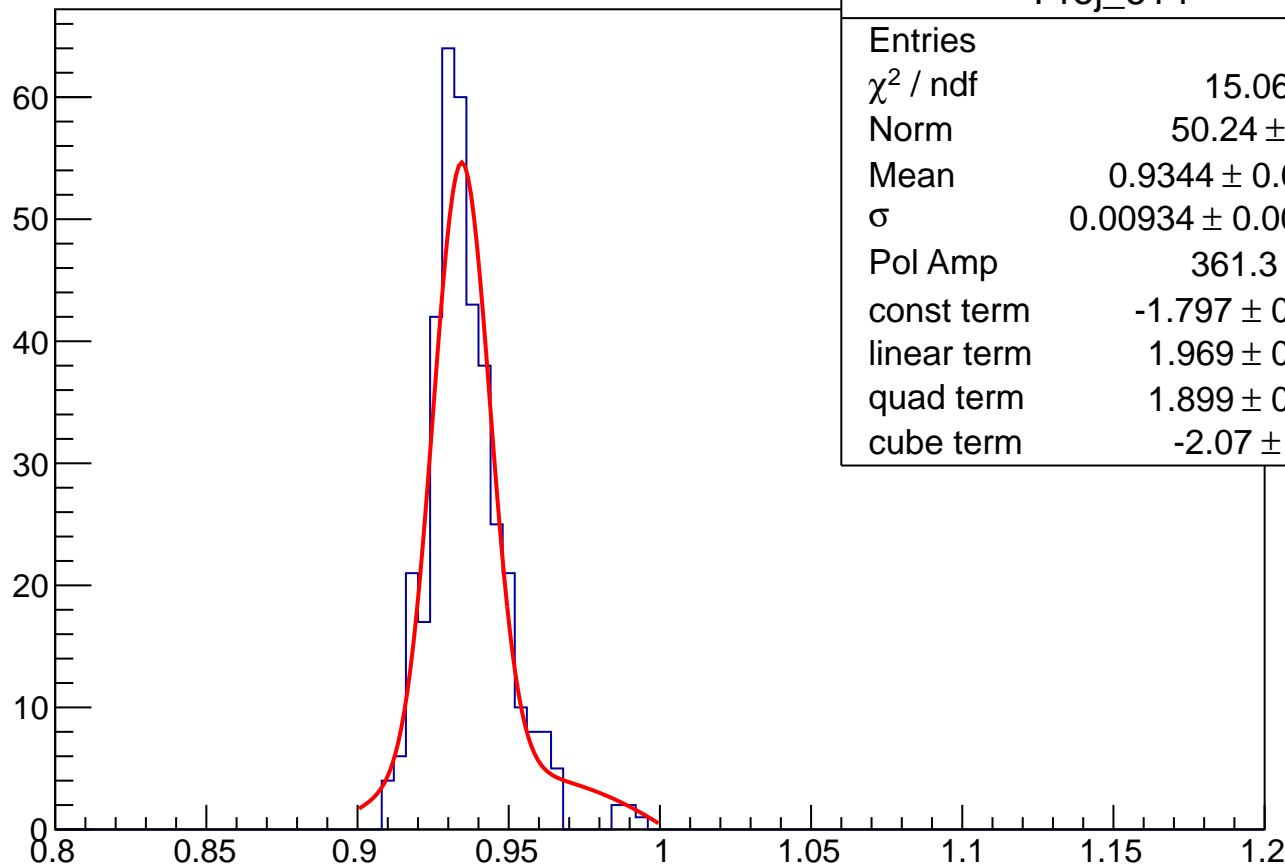
PhiThetaMassPip



PhiThetaMassPip



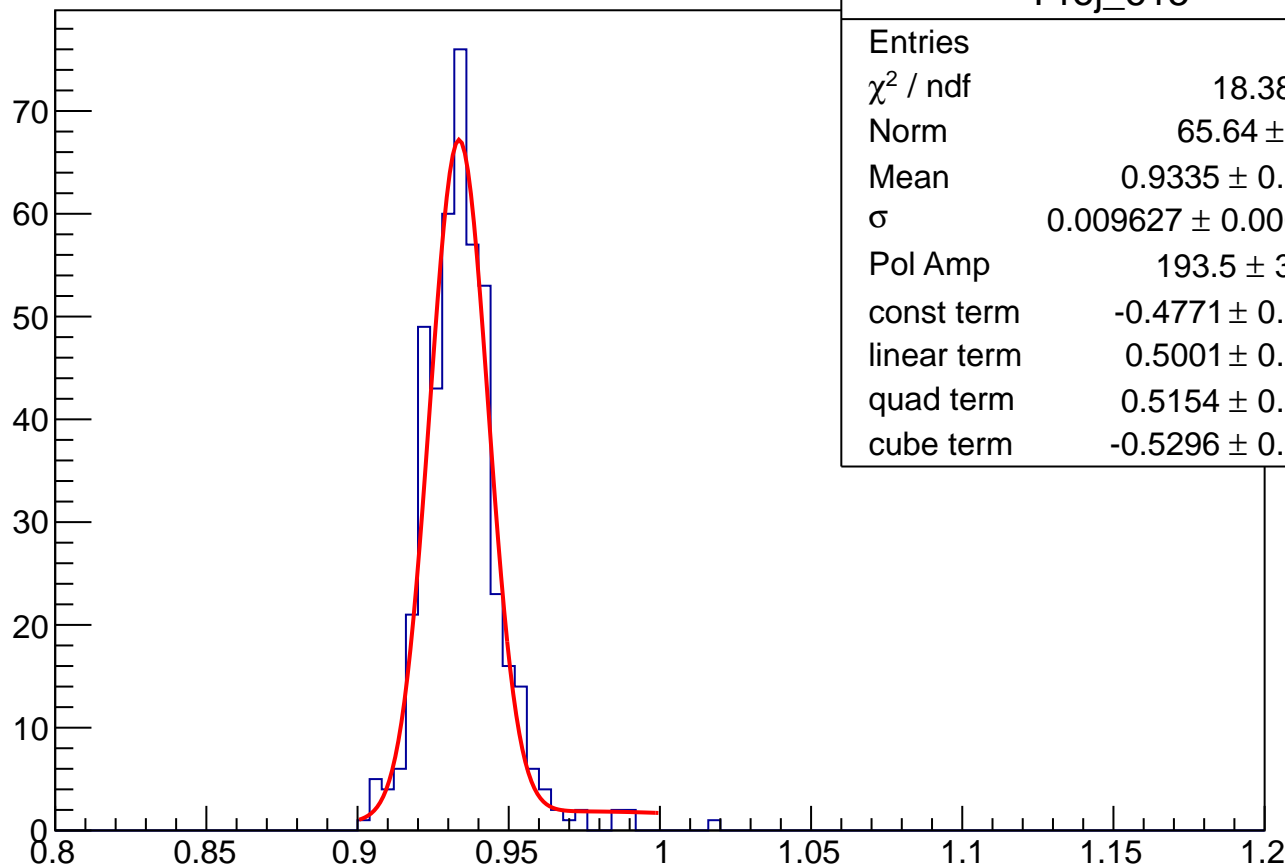
PhiThetaMassPip



Proj_614

Entries	377
χ^2 / ndf	15.06 / 10
Norm	50.24 ± 4.21
Mean	0.9344 ± 0.0006
σ	0.00934 ± 0.00082
Pol Amp	361.3 ± 1.1
const term	-1.797 ± 0.435
linear term	1.969 ± 0.447
quad term	1.899 ± 0.444
cube term	-2.07 ± 0.46

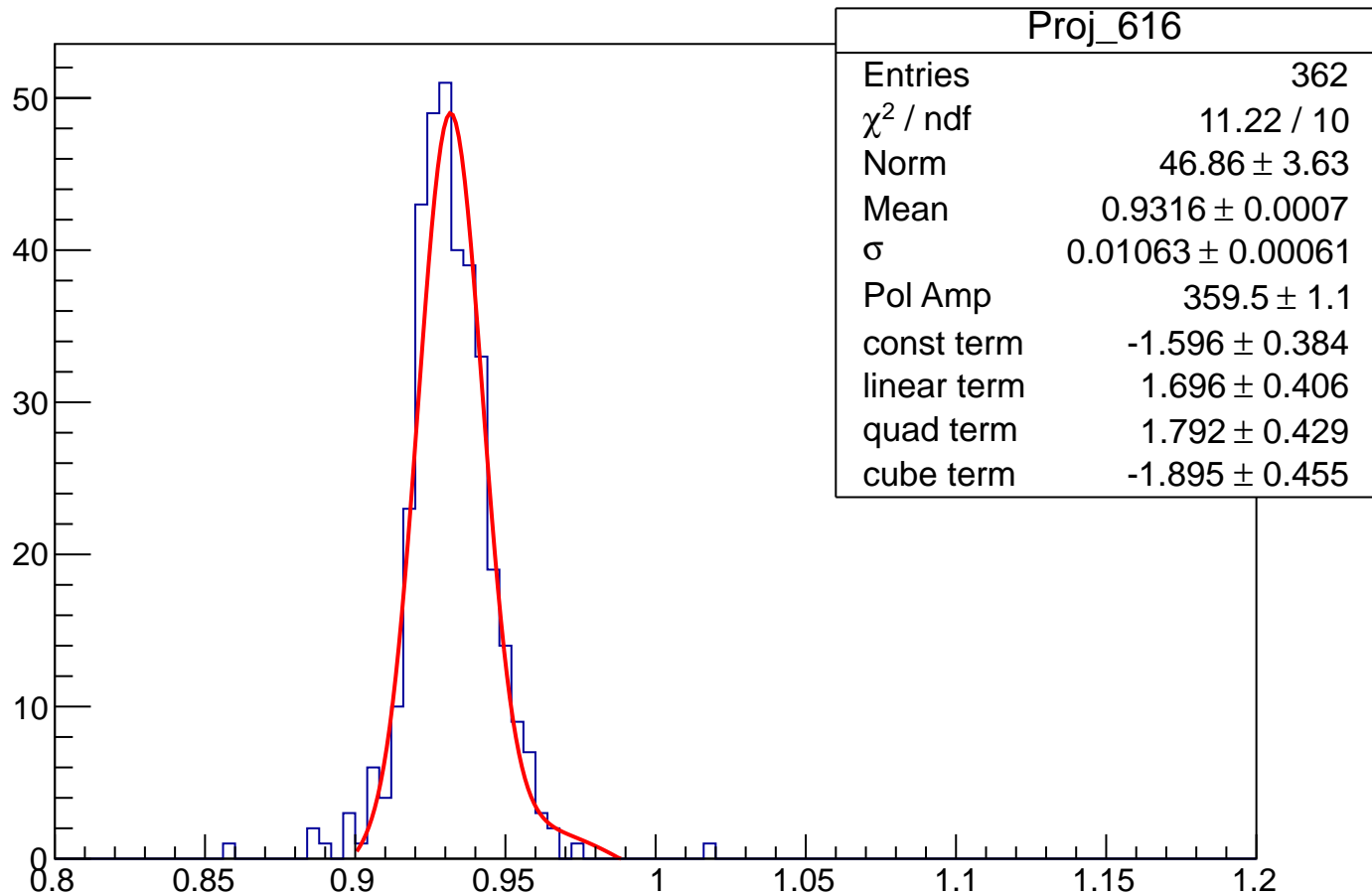
PhiThetaMassPip



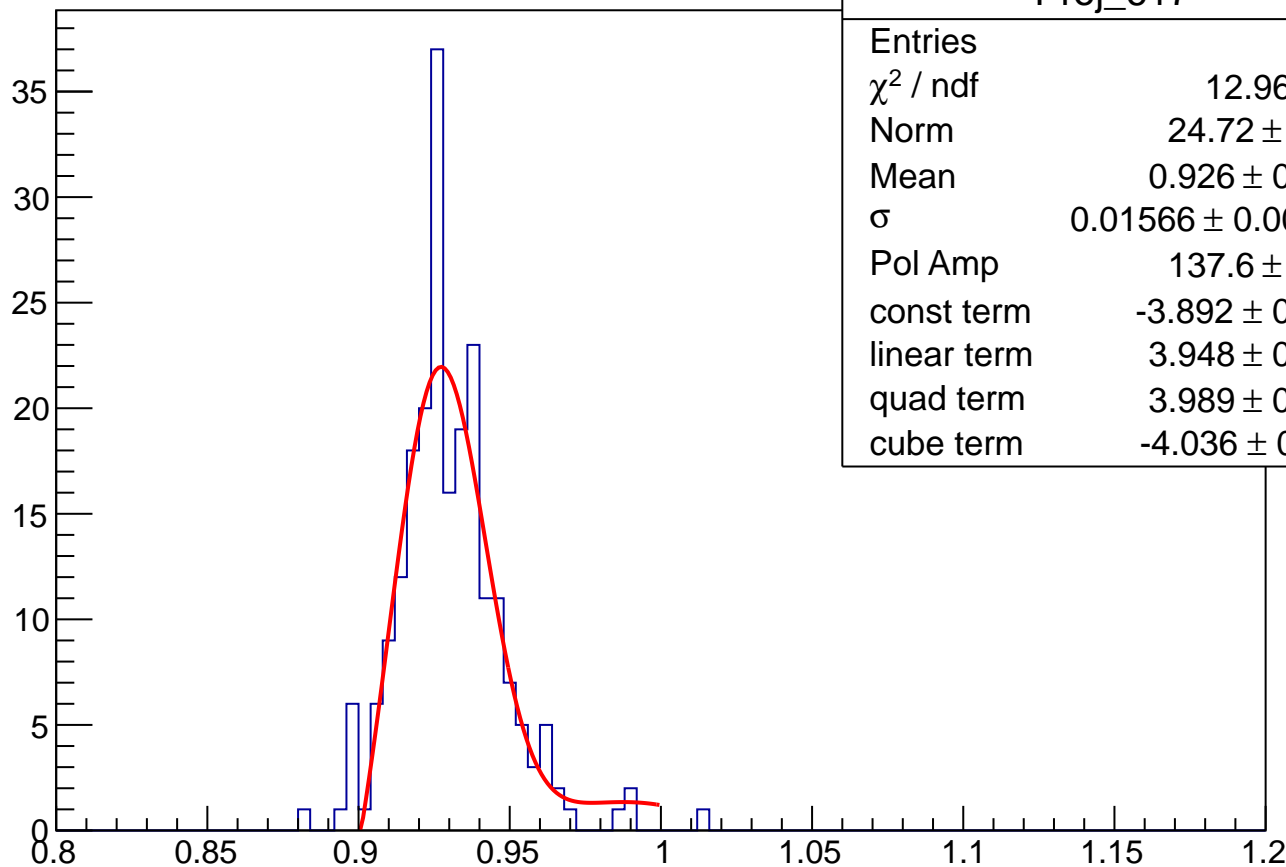
Proj_615

Entries	448
χ^2 / ndf	18.38 / 13
Norm	65.64 ± 4.30
Mean	0.9335 ± 0.0005
σ	0.009627 ± 0.000487
Pol Amp	193.5 ± 325.8
const term	-0.4771 ± 0.0238
linear term	0.5001 ± 0.0273
quad term	0.5154 ± 0.0297
cube term	-0.5296 ± 0.0308

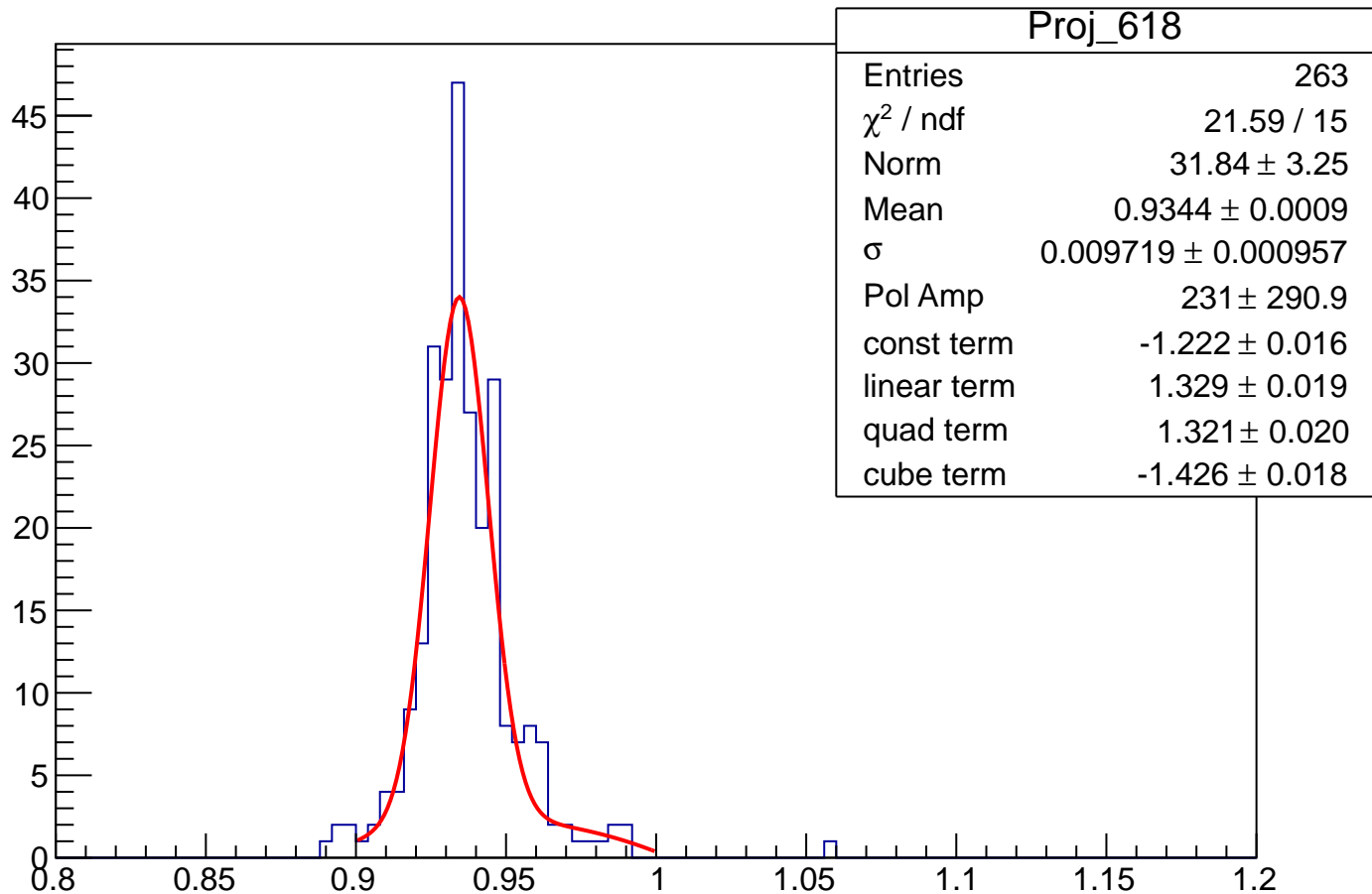
PhiThetaMassPip



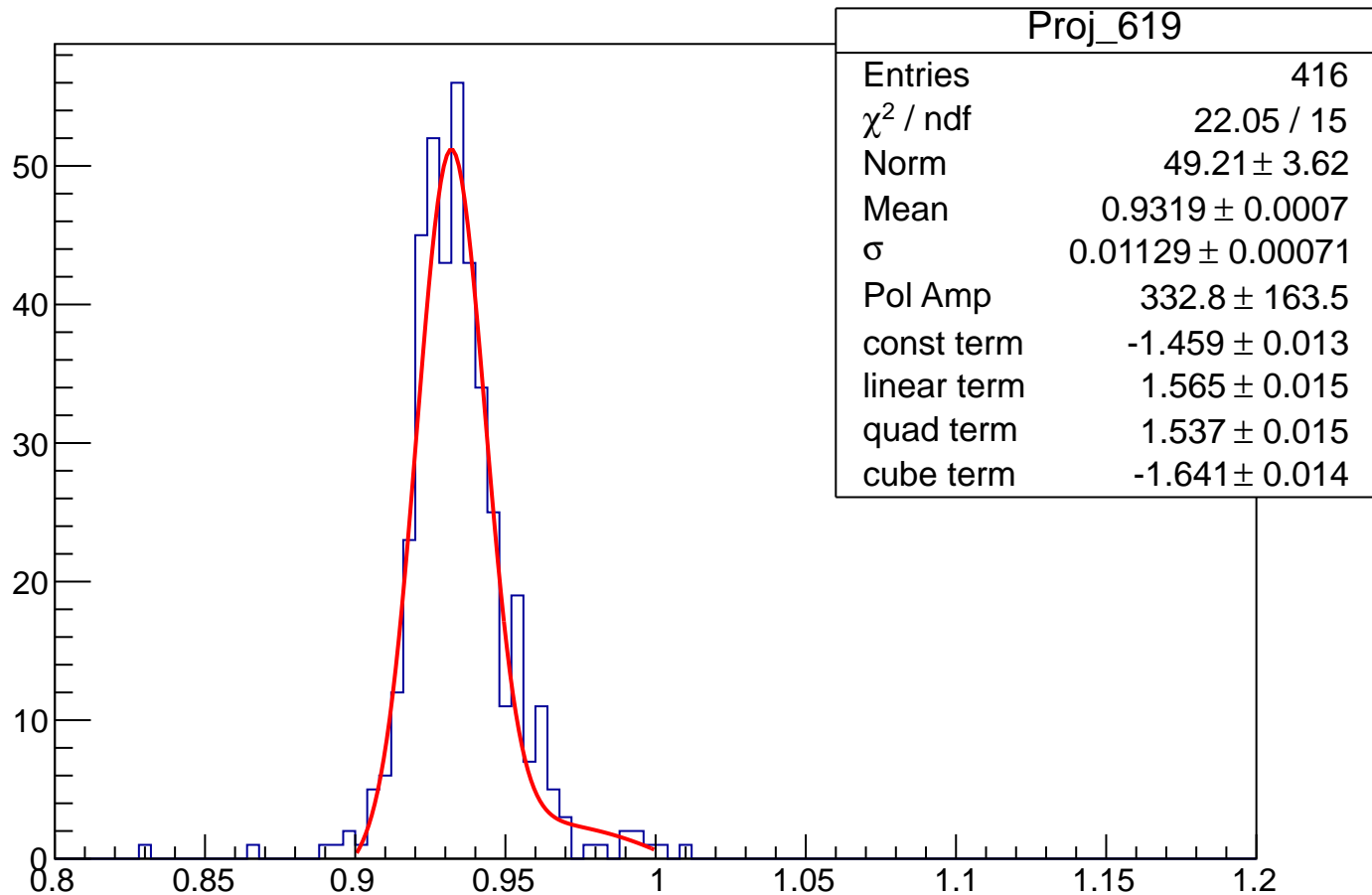
PhiThetaMassPip



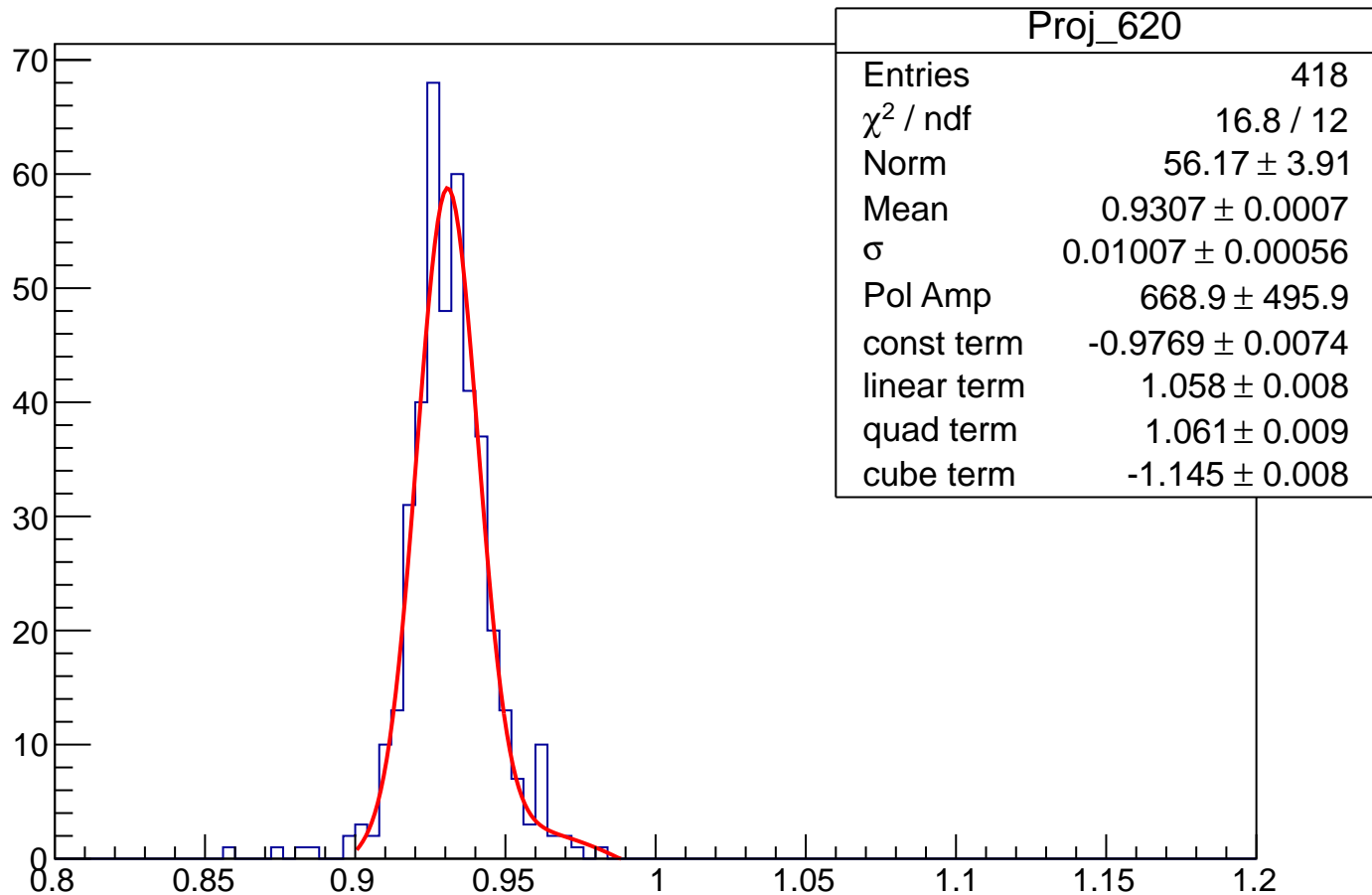
PhiThetaMassPip



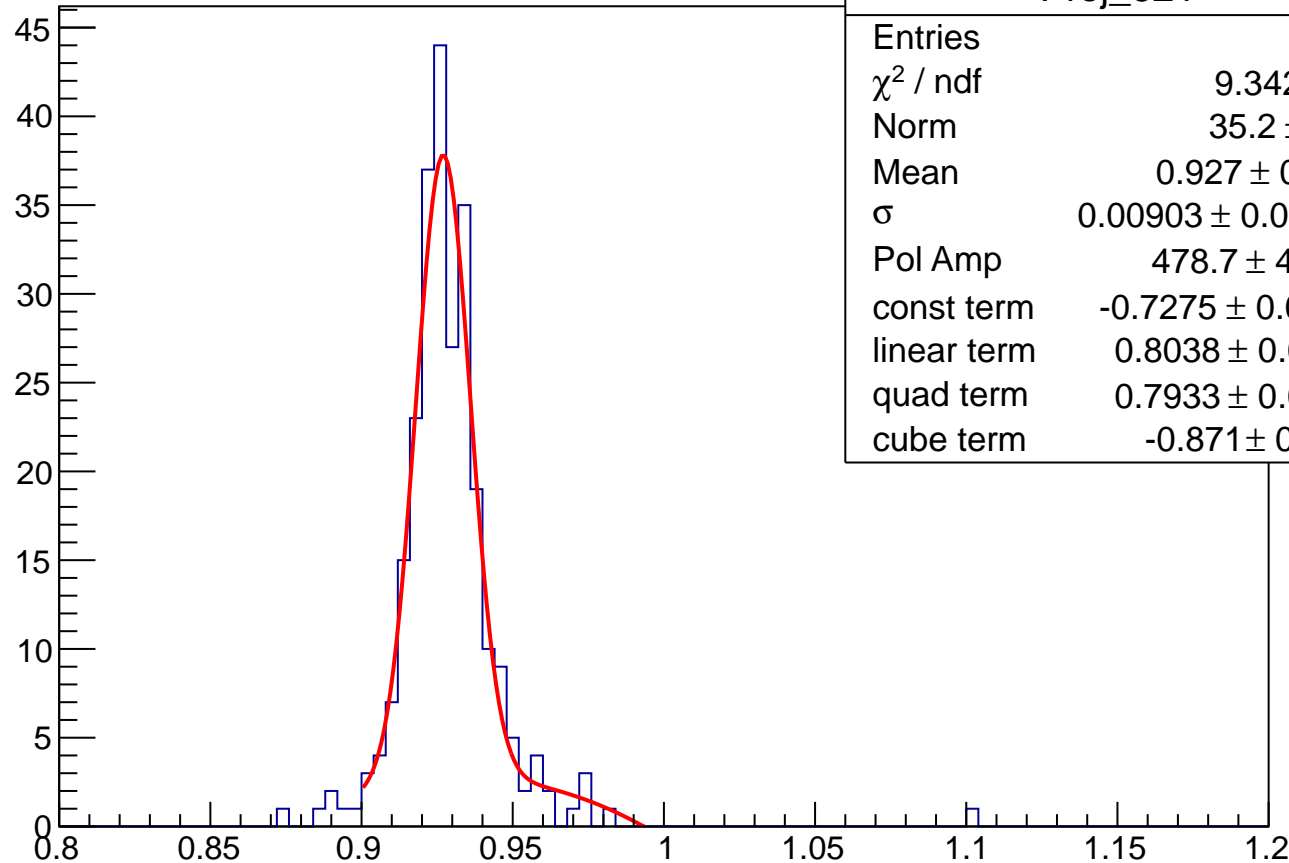
PhiThetaMassPip



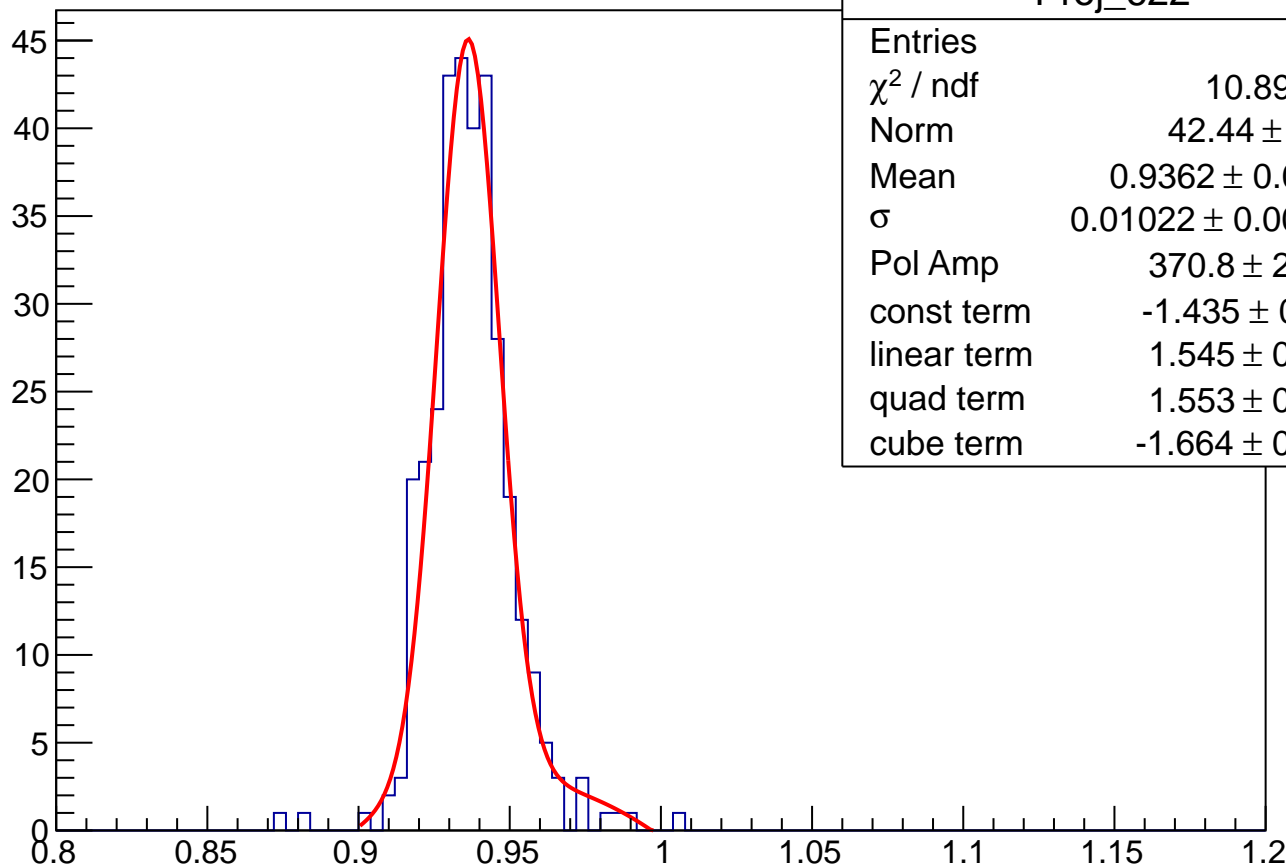
PhiThetaMassPip



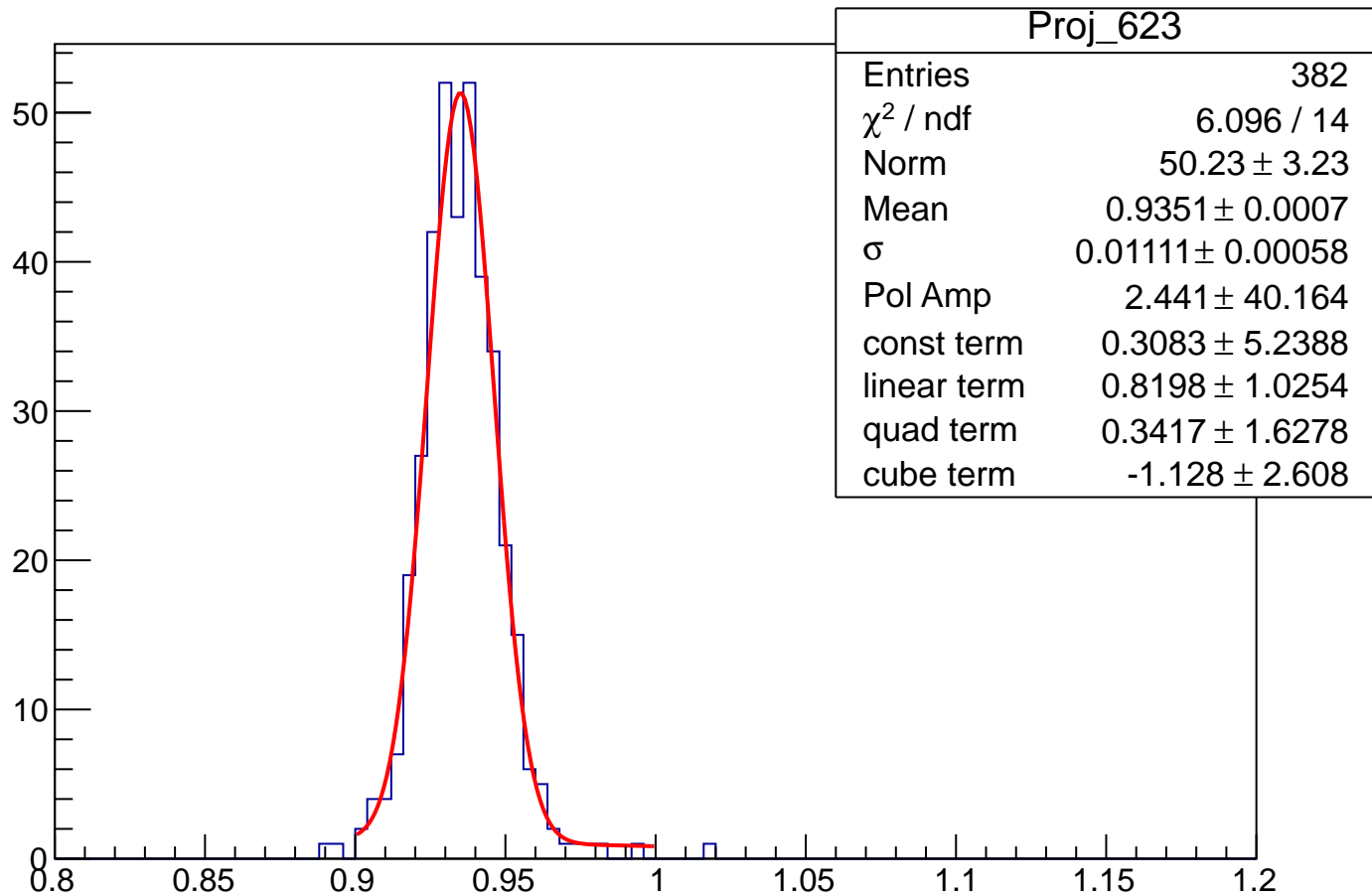
PhiThetaMassPip



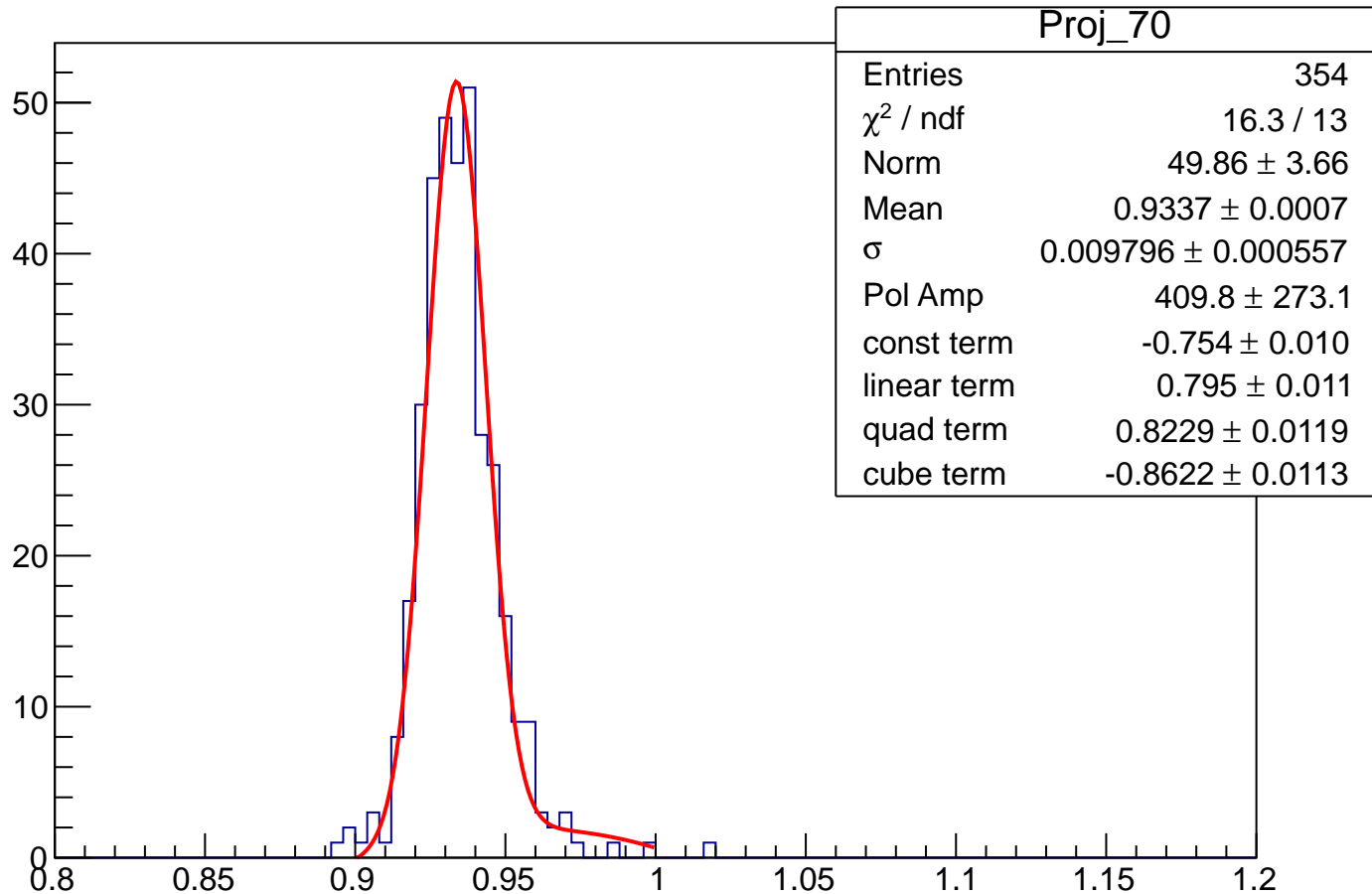
PhiThetaMassPip



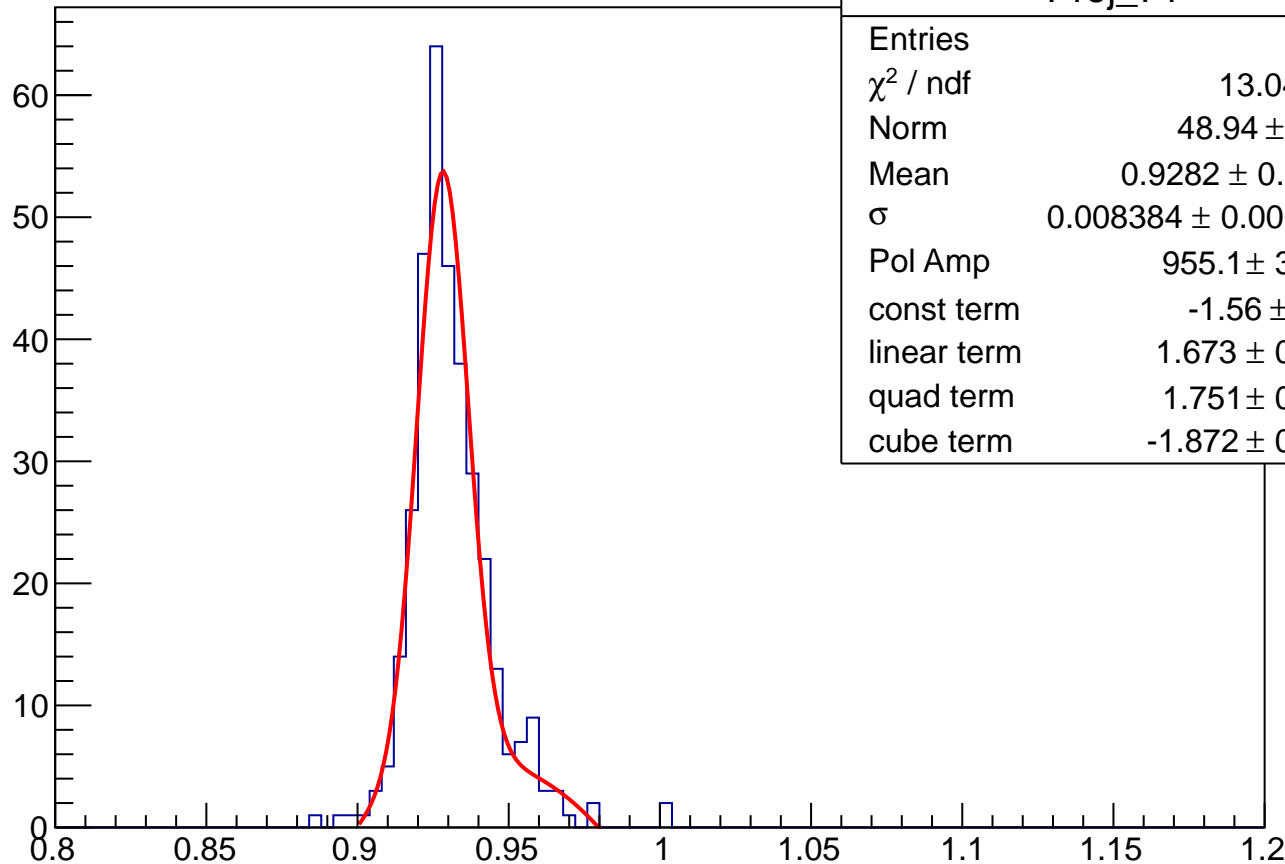
PhiThetaMassPip



PhiThetaMassPip



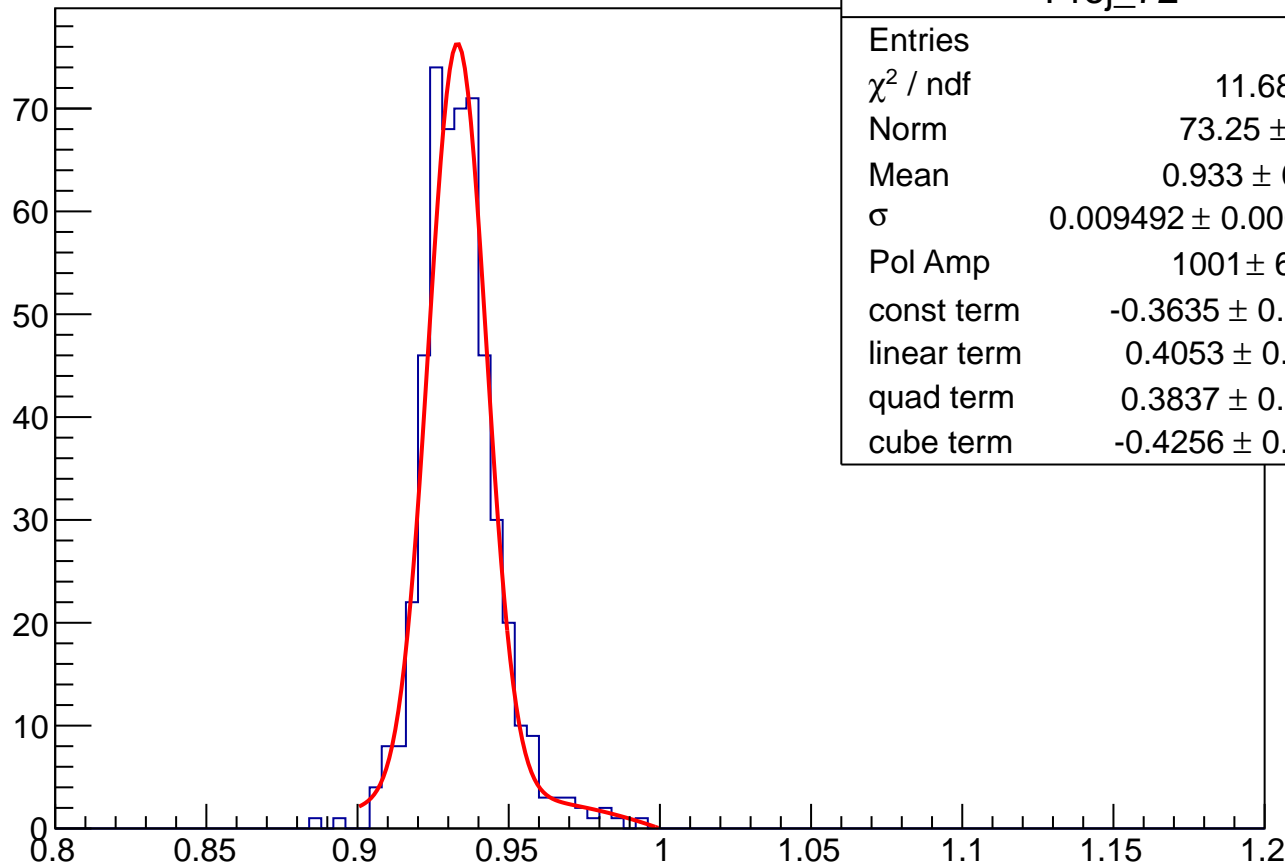
PhiThetaMassPip



Proj_71

Entries	344
χ^2 / ndf	13.04 / 11
Norm	48.94 ± 4.27
Mean	0.9282 ± 0.0007
σ	0.008384 ± 0.000677
Pol Amp	955.1 ± 373.9
const term	-1.56 ± 0.01
linear term	1.673 ± 0.006
quad term	1.751 ± 0.007
cube term	-1.872 ± 0.006

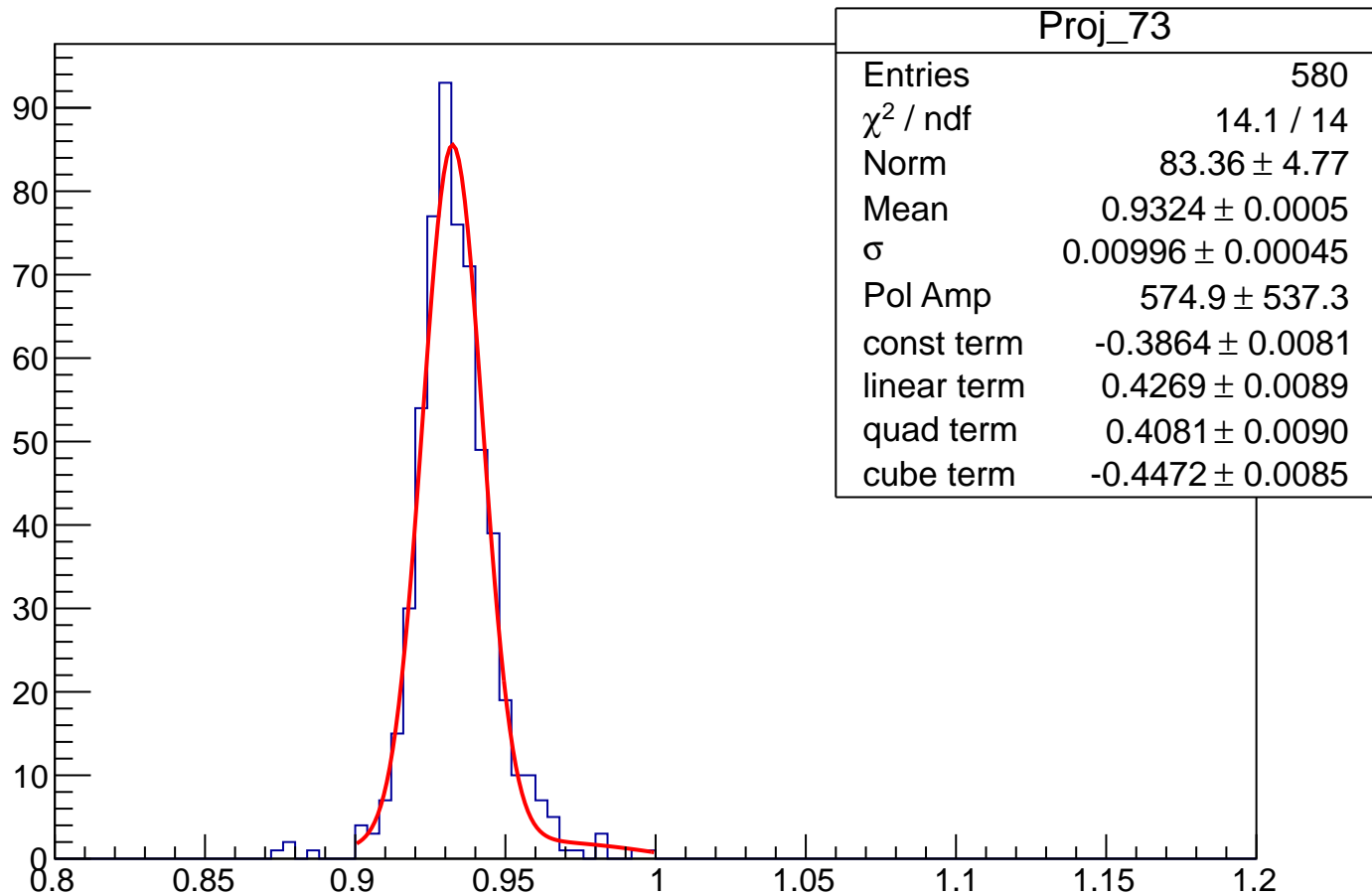
PhiThetaMassPip



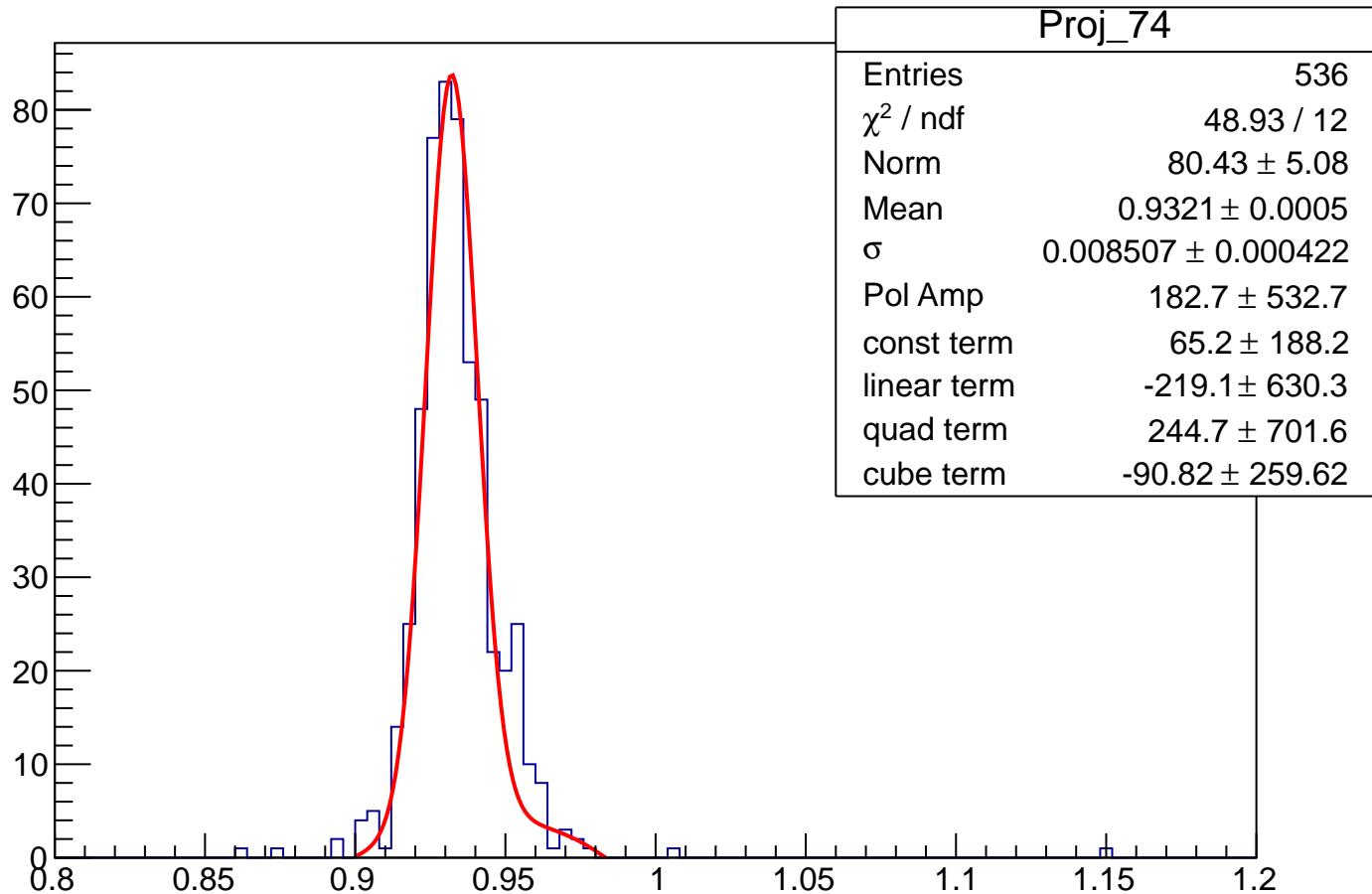
Proj_72

Entries	504
χ^2 / ndf	11.68 / 14
Norm	73.25 ± 4.61
Mean	0.933 ± 0.001
σ	0.009492 ± 0.000500
Pol Amp	1001 ± 680.6
const term	-0.3635 ± 0.0048
linear term	0.4053 ± 0.0051
quad term	0.3837 ± 0.0052
cube term	-0.4256 ± 0.0051

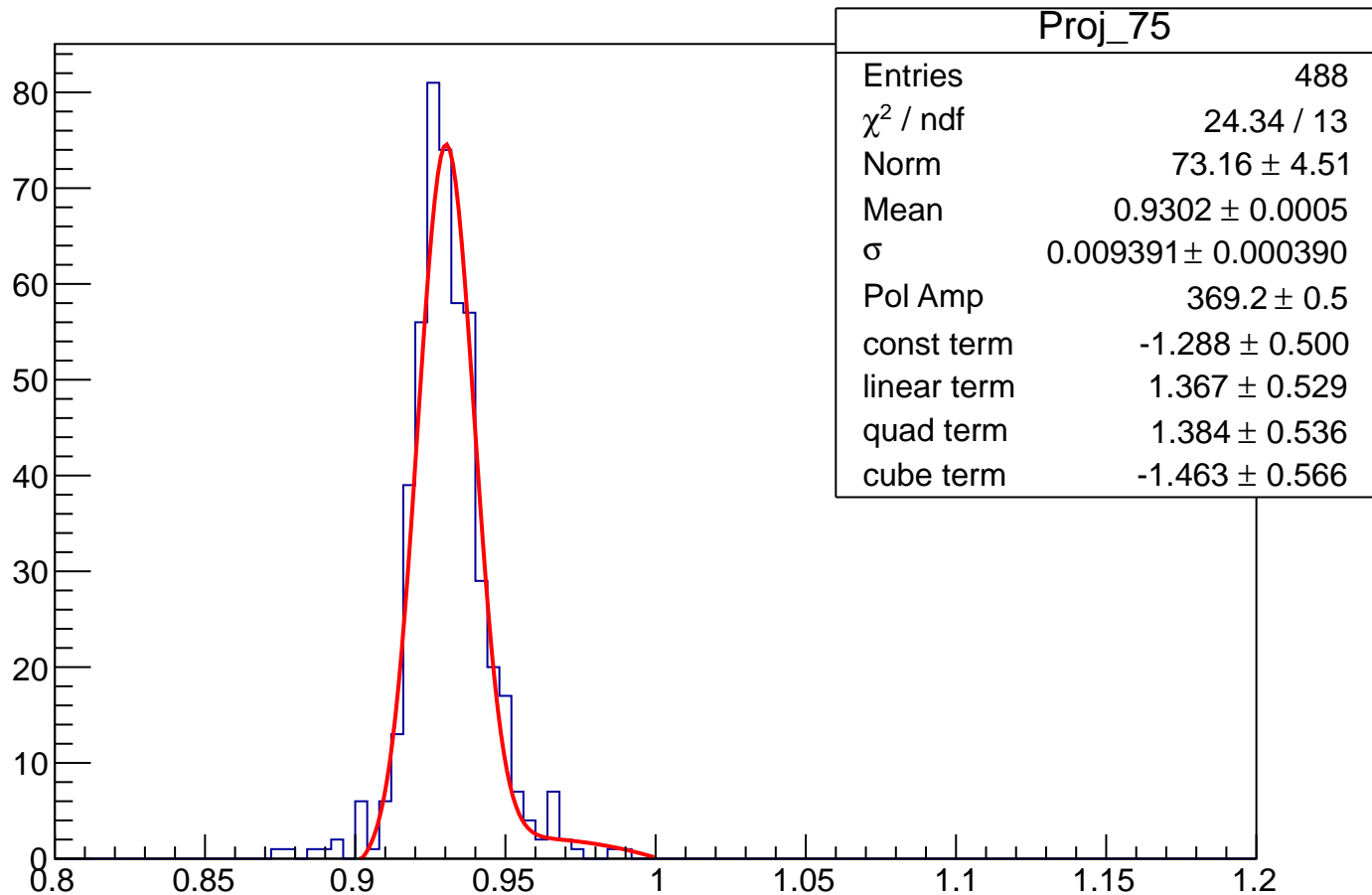
PhiThetaMassPip



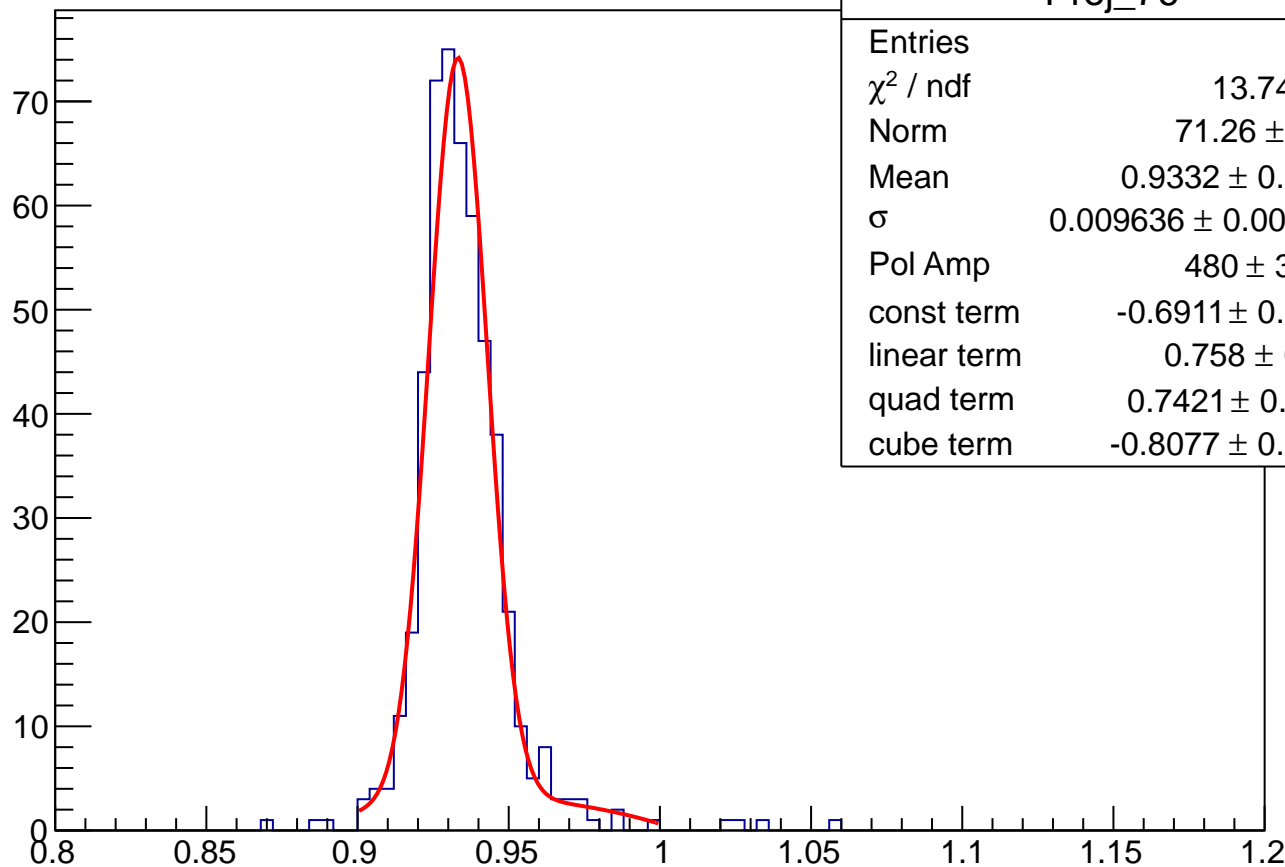
PhiThetaMassPip



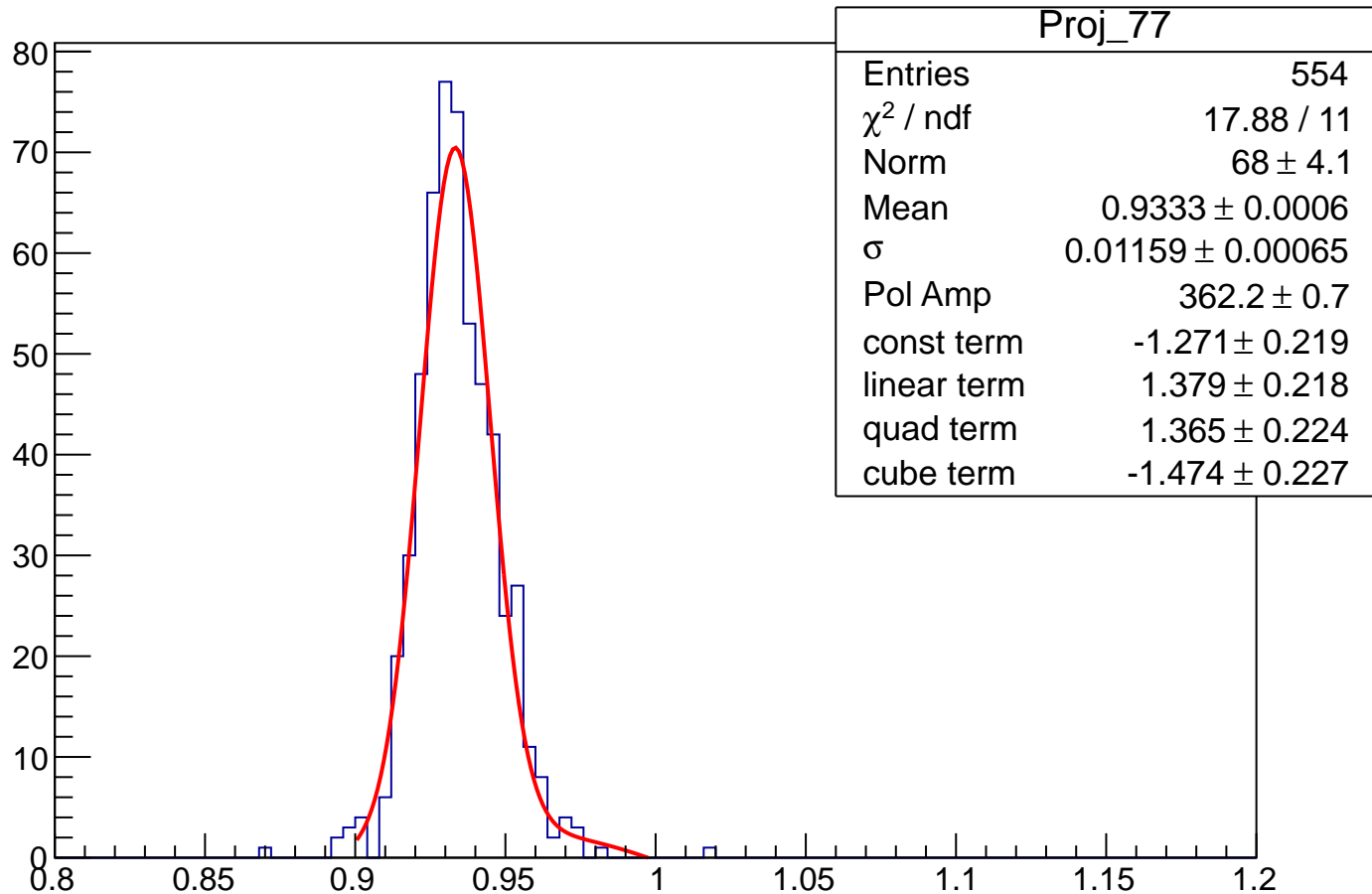
PhiThetaMassPip



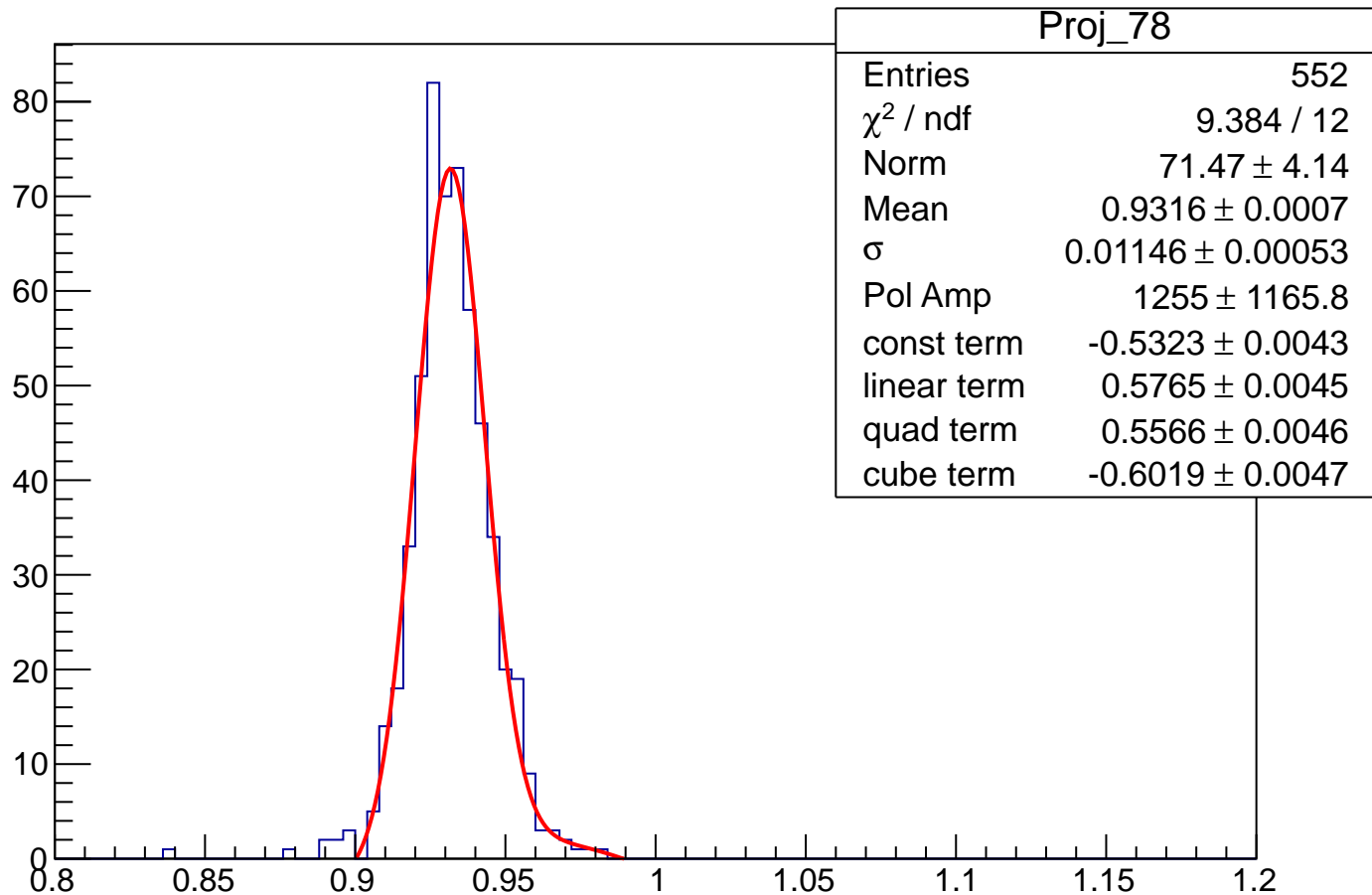
PhiThetaMassPip



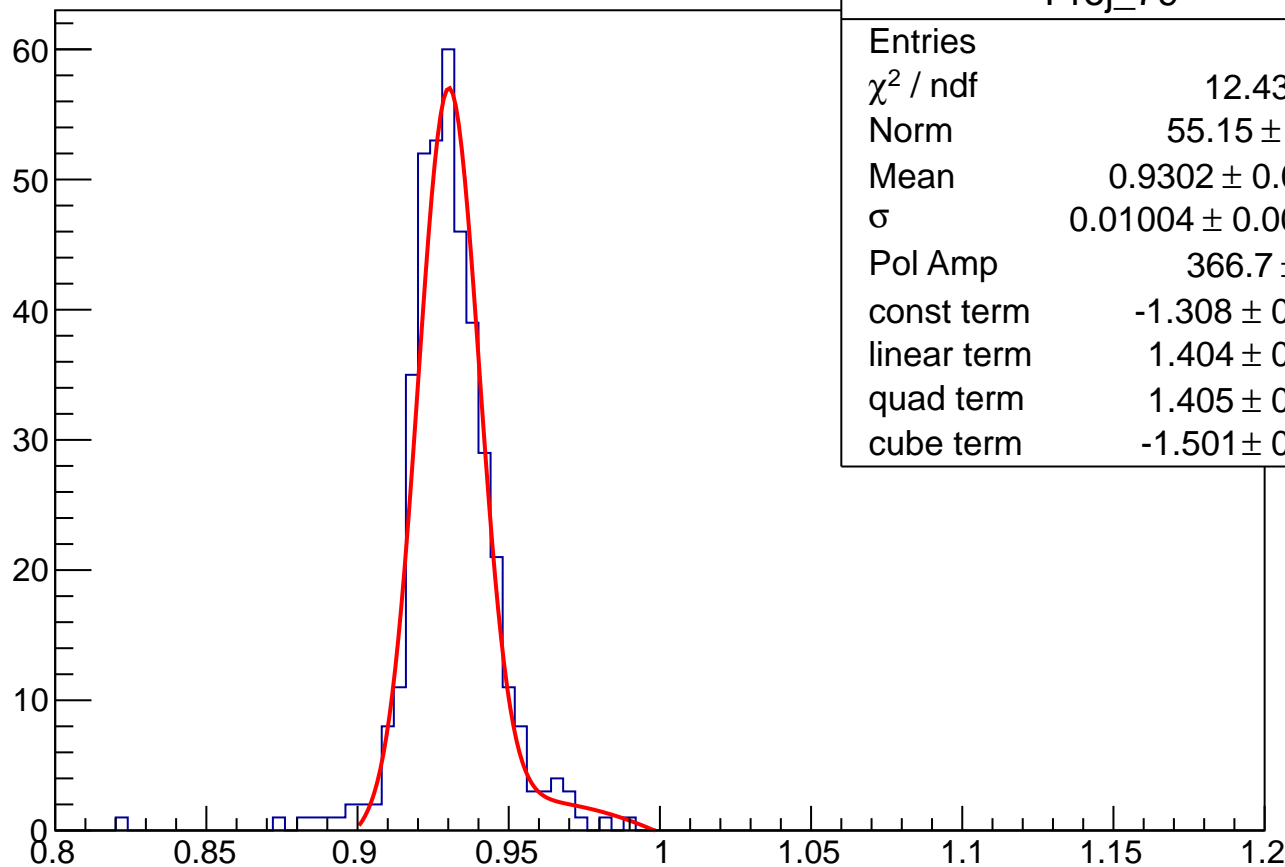
PhiThetaMassPip



PhiThetaMassPip



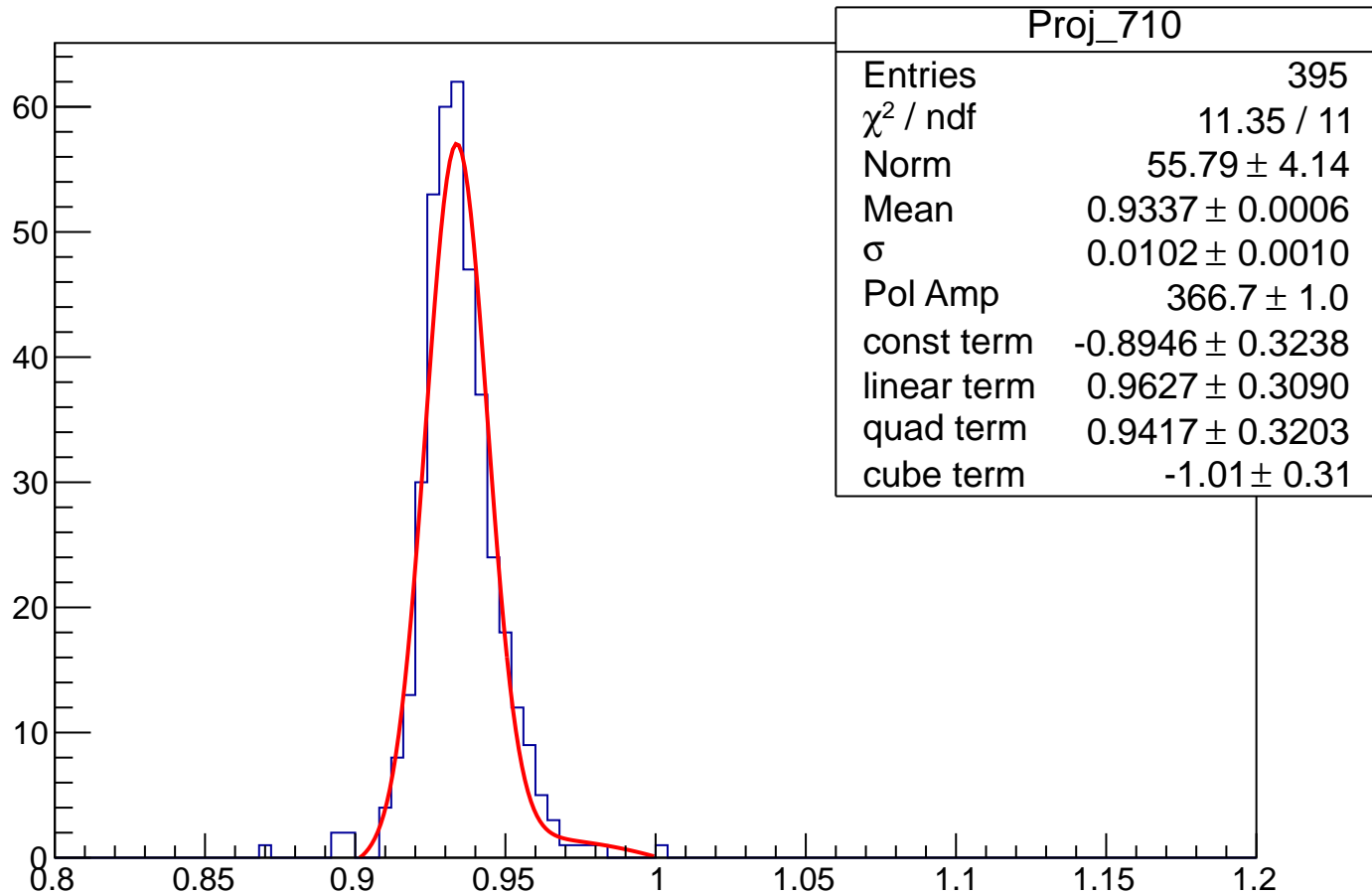
PhiThetaMassPip



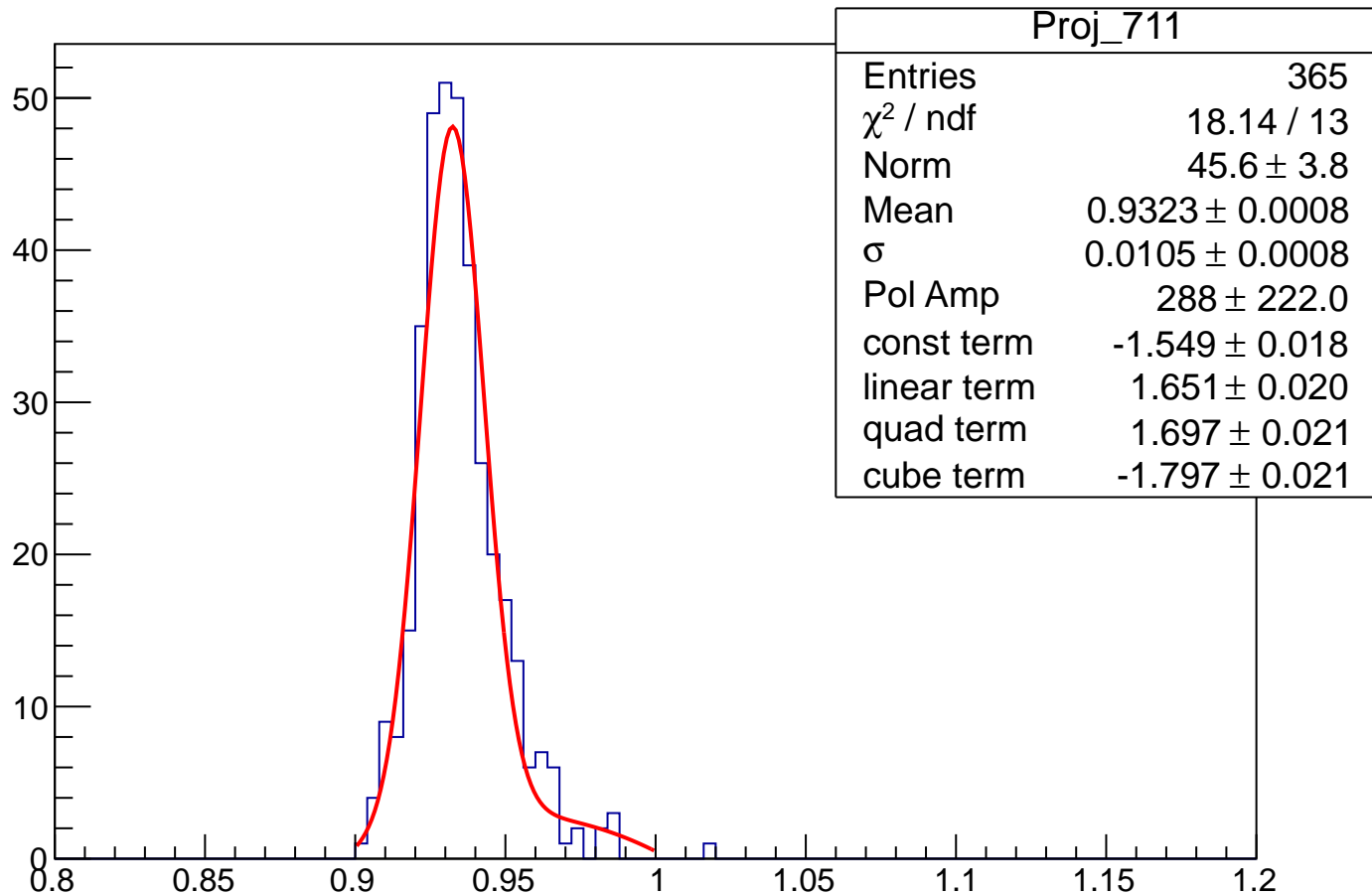
Proj_79

Entries	401
χ^2 / ndf	12.43 / 13
Norm	55.15 ± 3.88
Mean	0.9302 ± 0.0006
σ	0.01004 ± 0.00055
Pol Amp	366.7 ± 0.7
const term	-1.308 ± 0.374
linear term	1.404 ± 0.394
quad term	1.405 ± 0.397
cube term	-1.501 ± 0.419

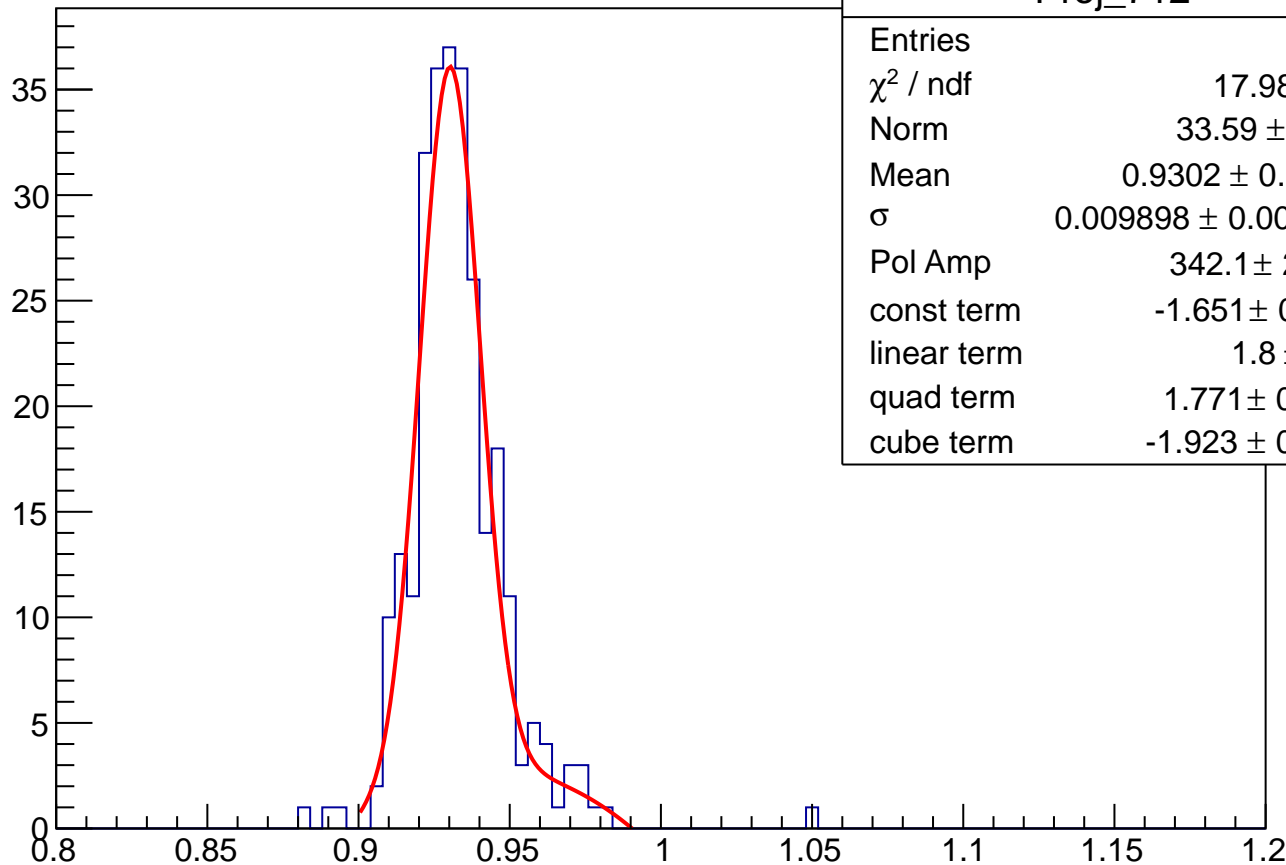
PhiThetaMassPip



PhiThetaMassPip



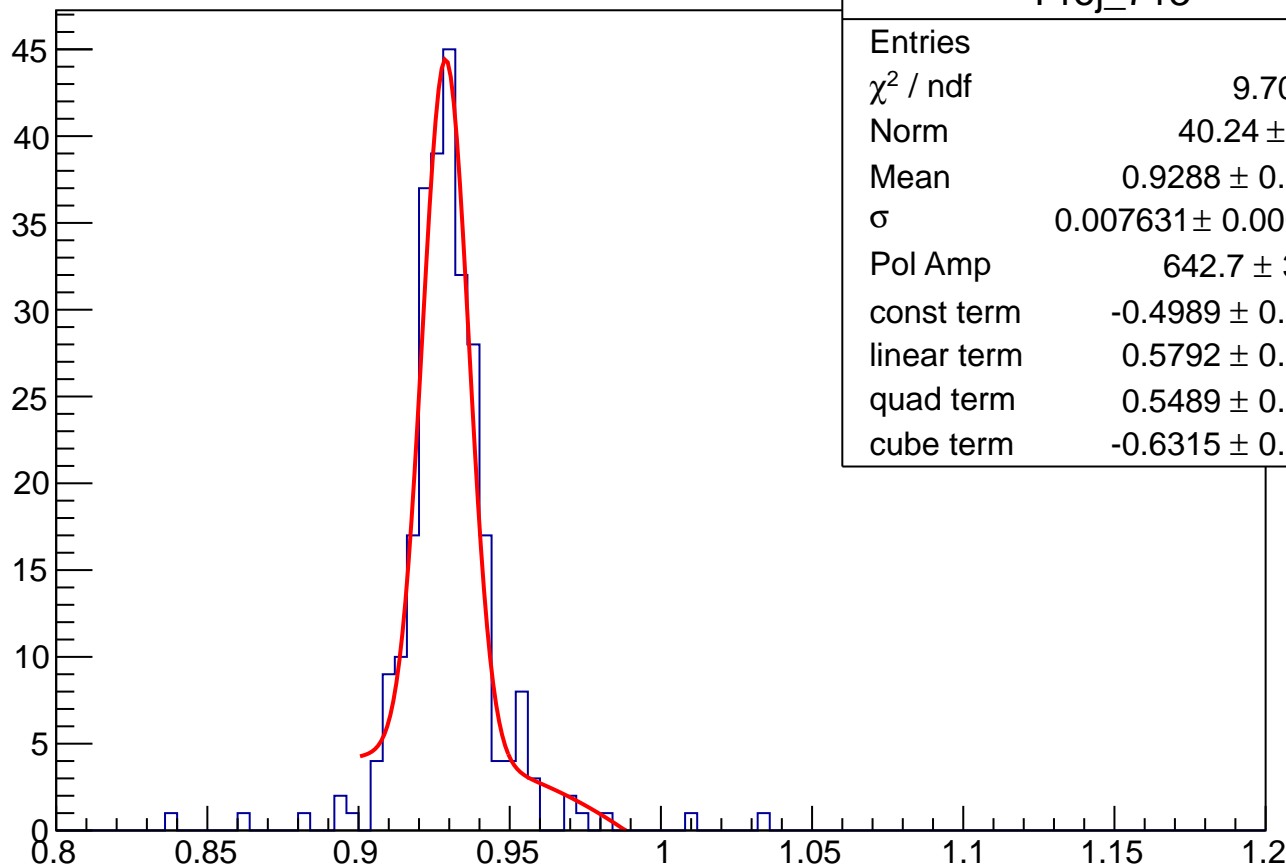
PhiThetaMassPip



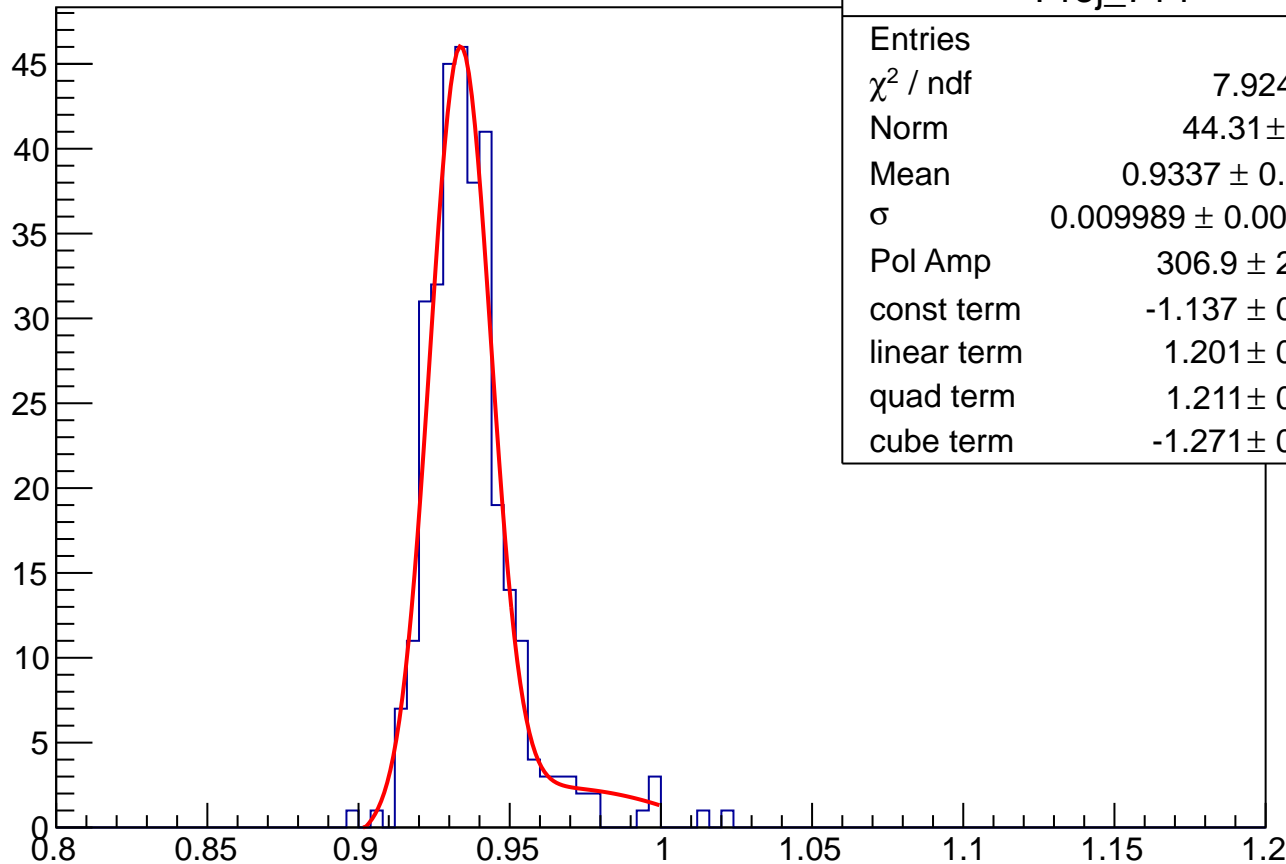
Proj_712

Entries	271
χ^2 / ndf	17.98 / 12
Norm	33.59 ± 3.27
Mean	0.9302 ± 0.0009
σ	0.009898 ± 0.000901
Pol Amp	342.1 ± 273.1
const term	-1.651 ± 0.014
linear term	1.8 ± 0.0
quad term	1.771 ± 0.016
cube term	-1.923 ± 0.016

PhiThetaMassPip



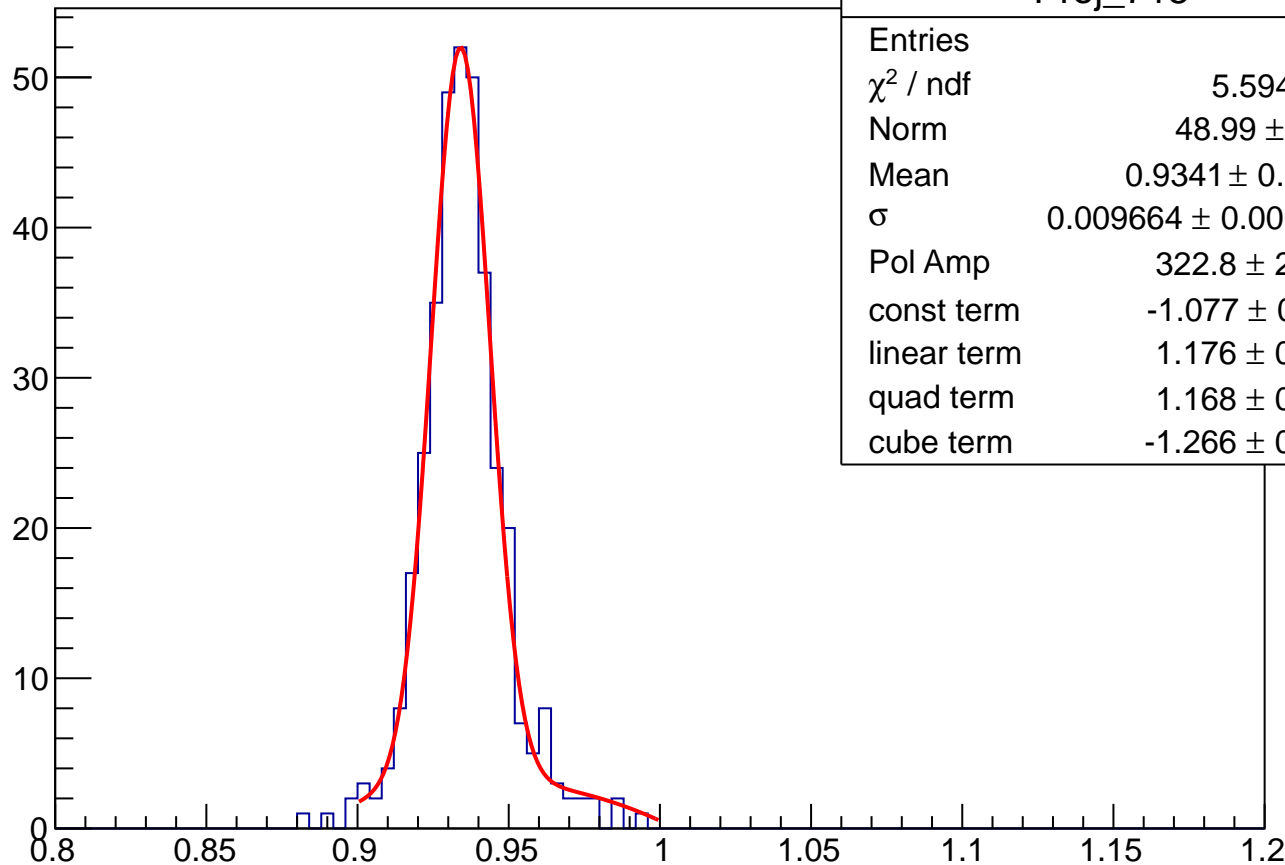
PhiThetaMassPip



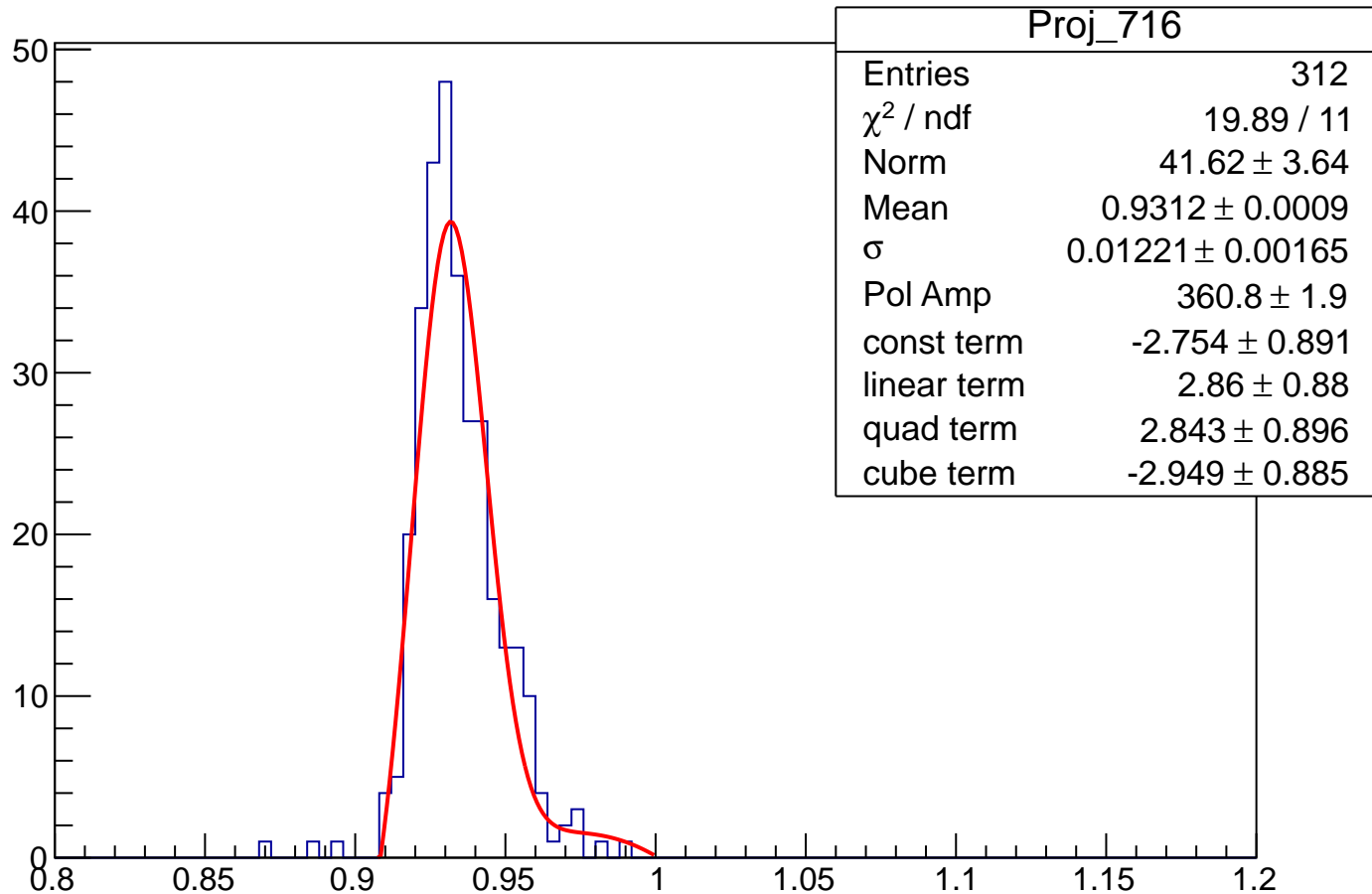
Proj_714

Entries	320
χ^2 / ndf	7.924 / 12
Norm	44.31 ± 3.49
Mean	0.9337 ± 0.0007
σ	0.009989 ± 0.000662
Pol Amp	306.9 ± 200.7
const term	-1.137 ± 0.015
linear term	1.201 ± 0.018
quad term	1.211 ± 0.018
cube term	-1.271 ± 0.018

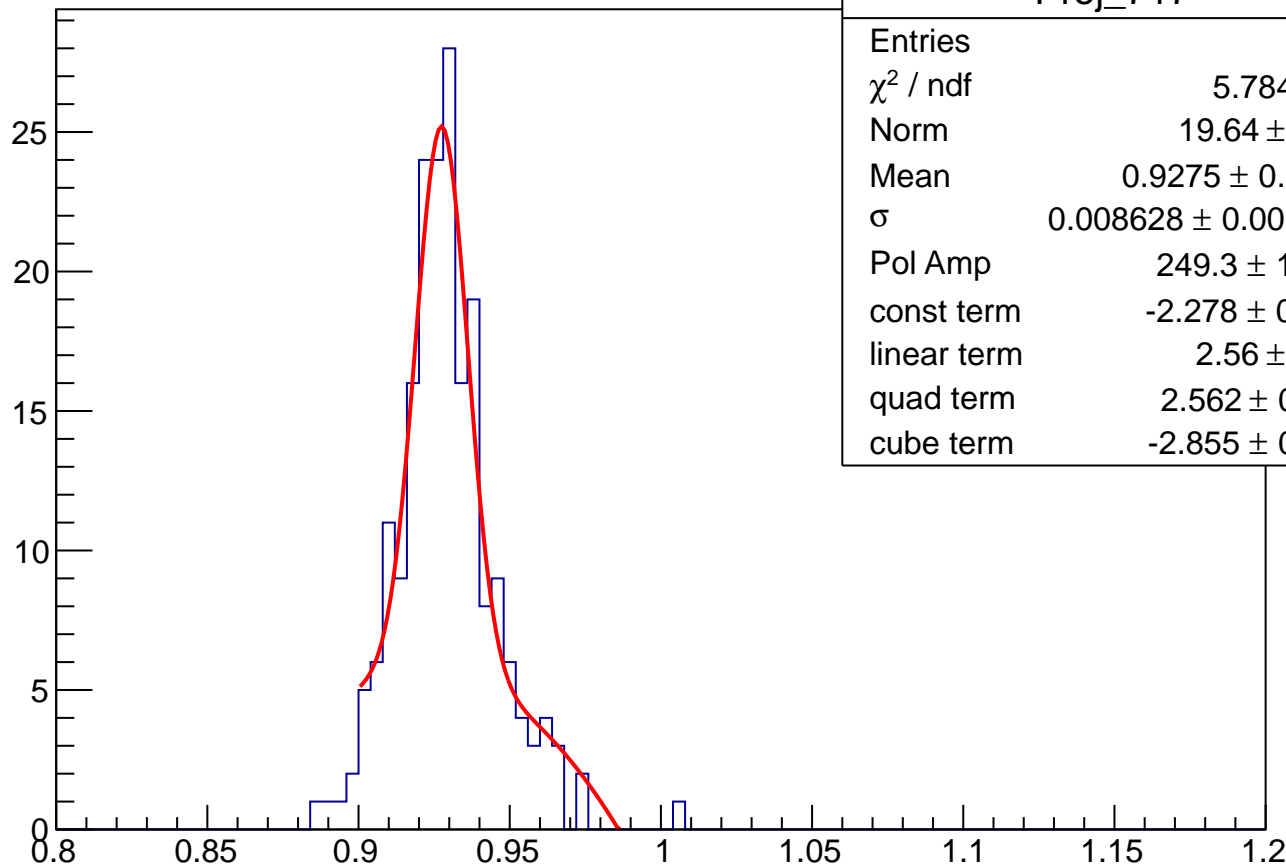
PhiThetaMassPip



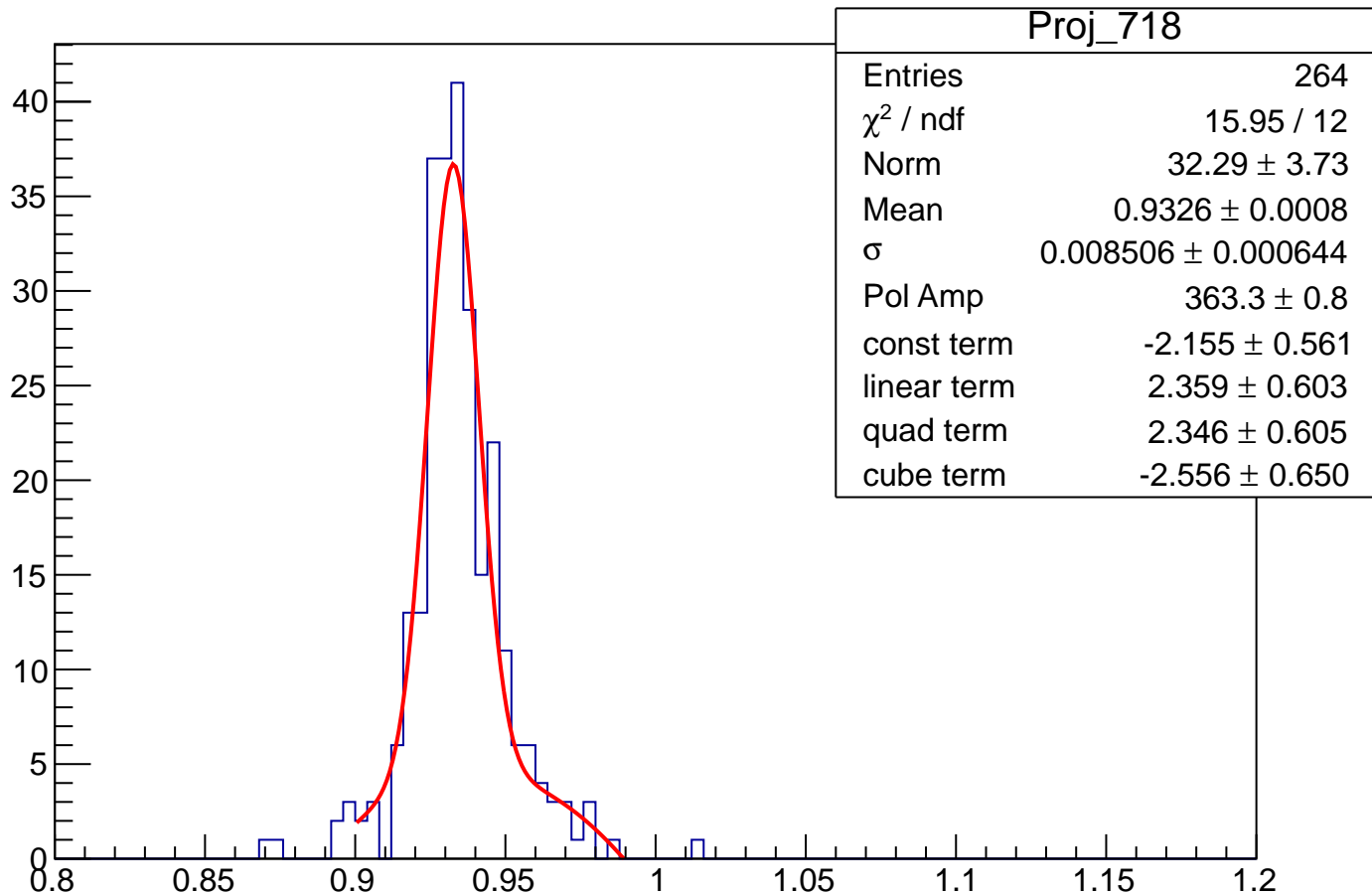
PhiThetaMassPip



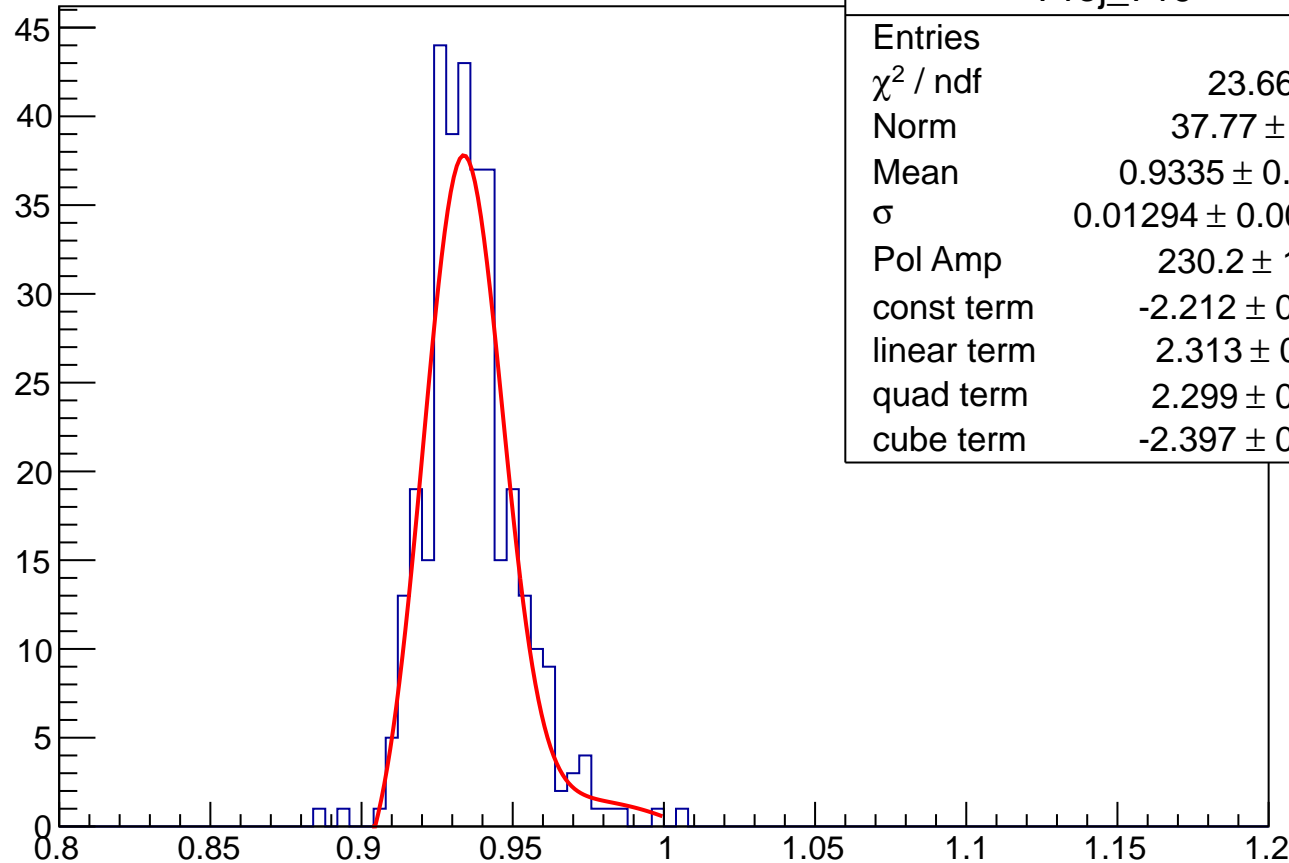
PhiThetaMassPip



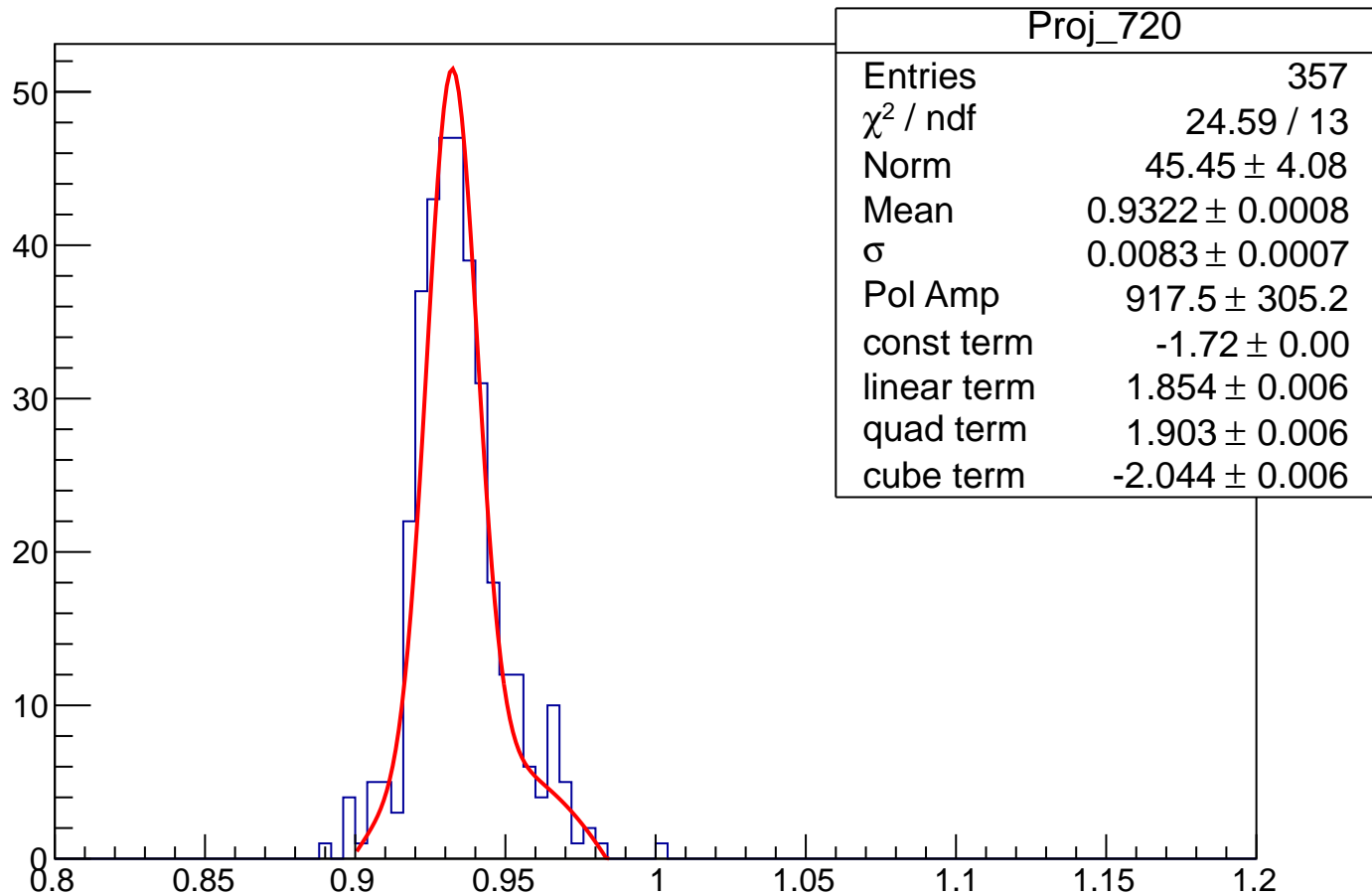
PhiThetaMassPip



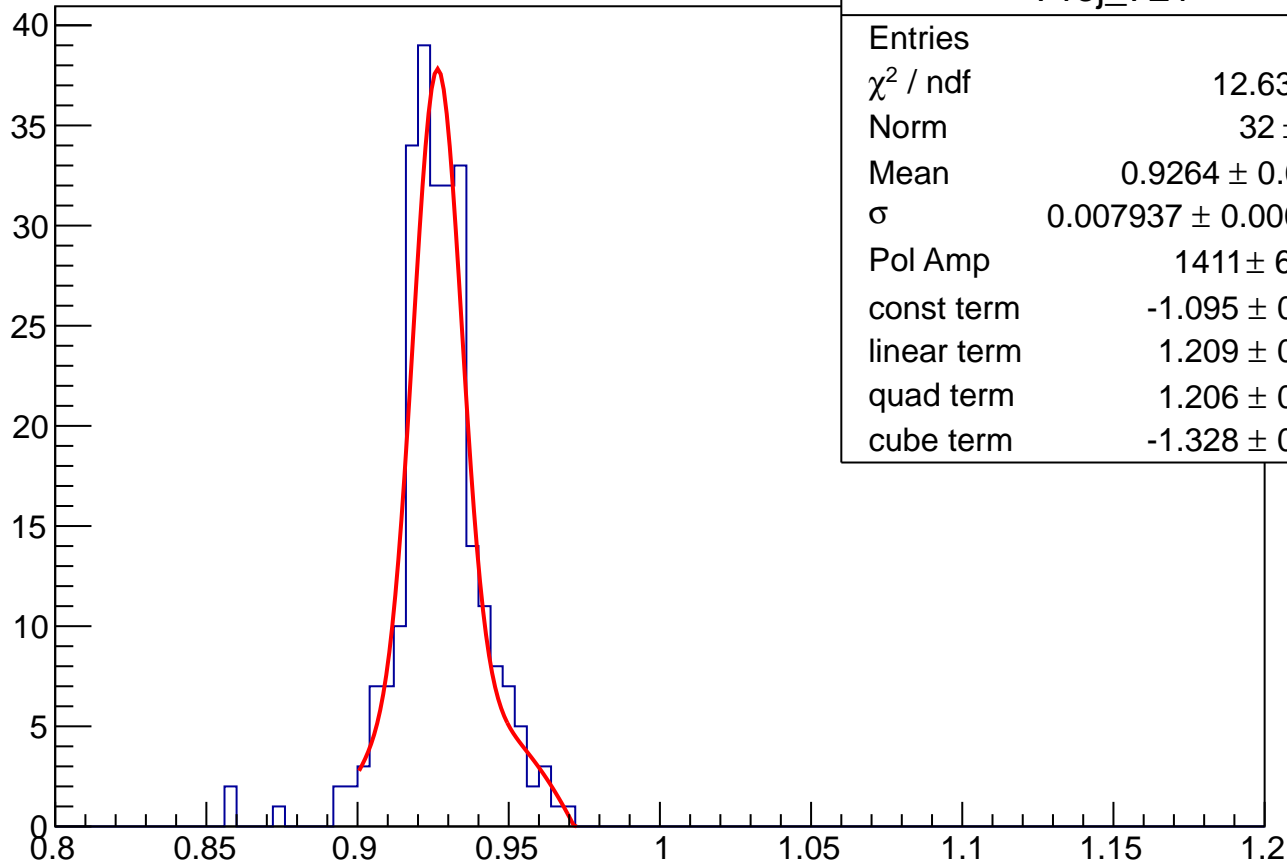
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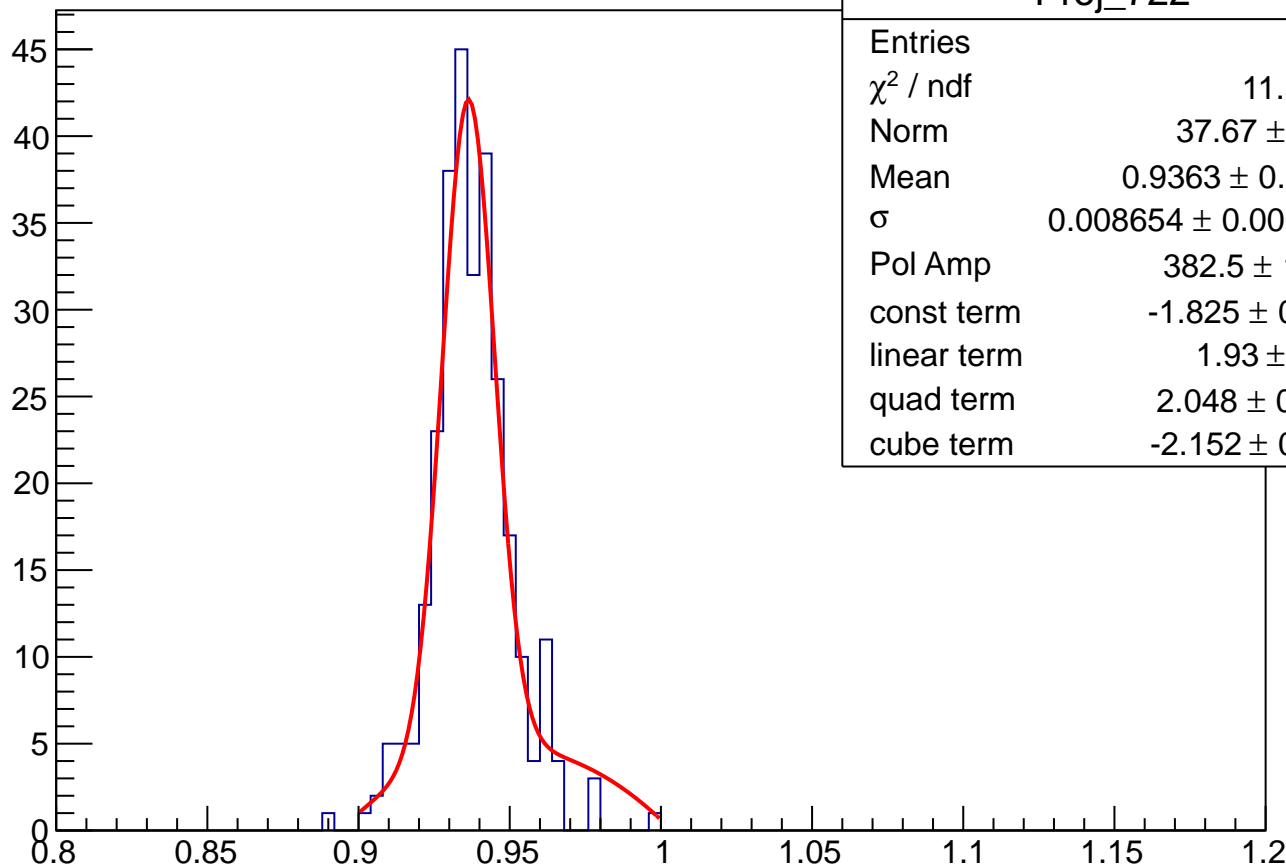
PhiThetaMassPip



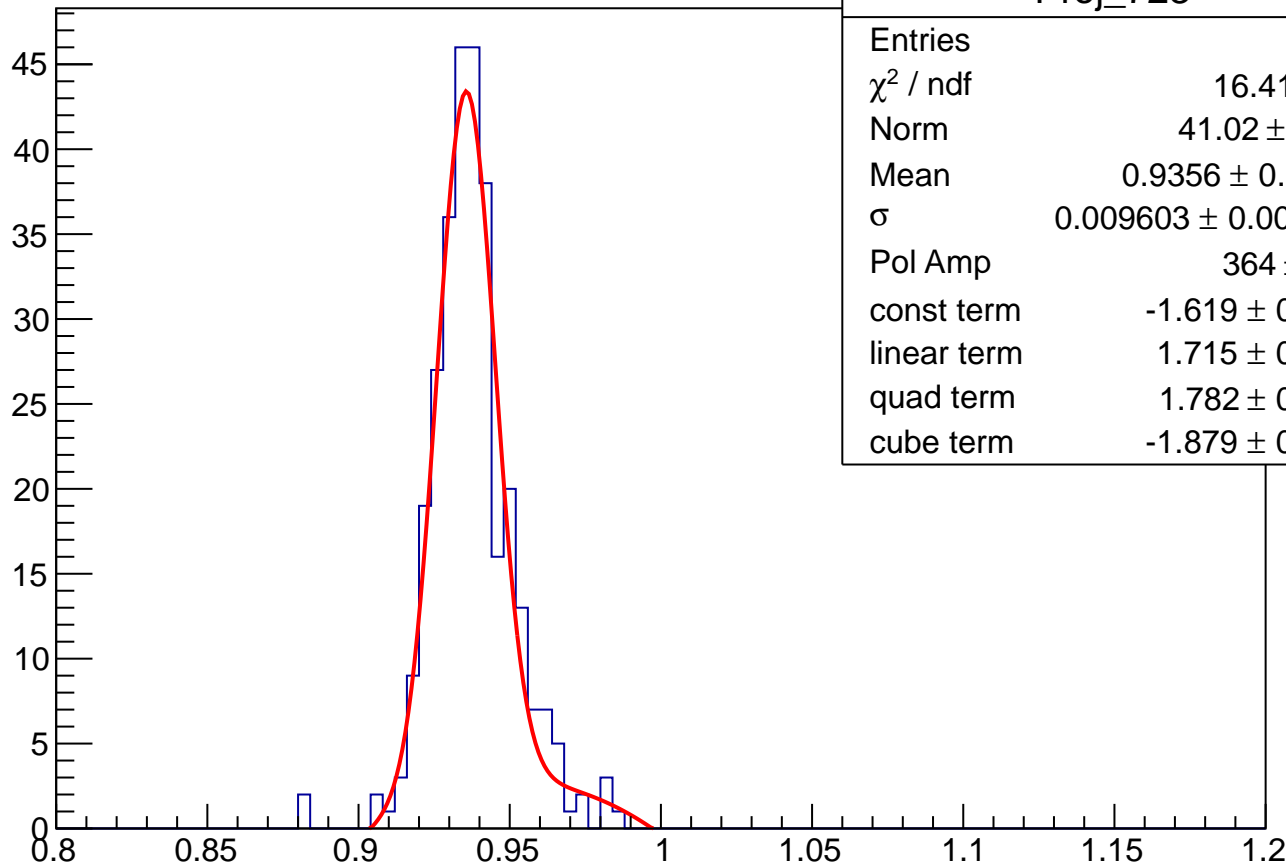
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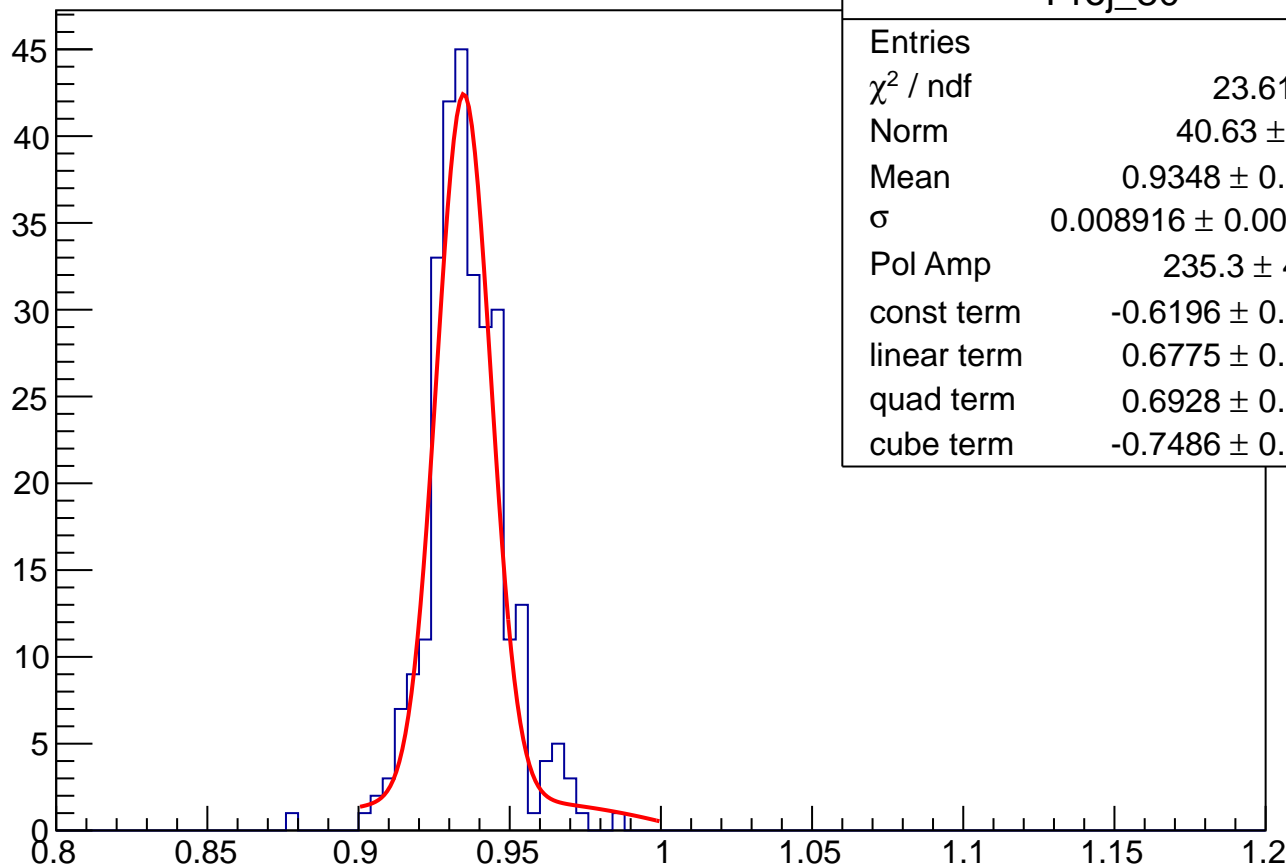
PhiThetaMassPip



PhiThetaMassPip



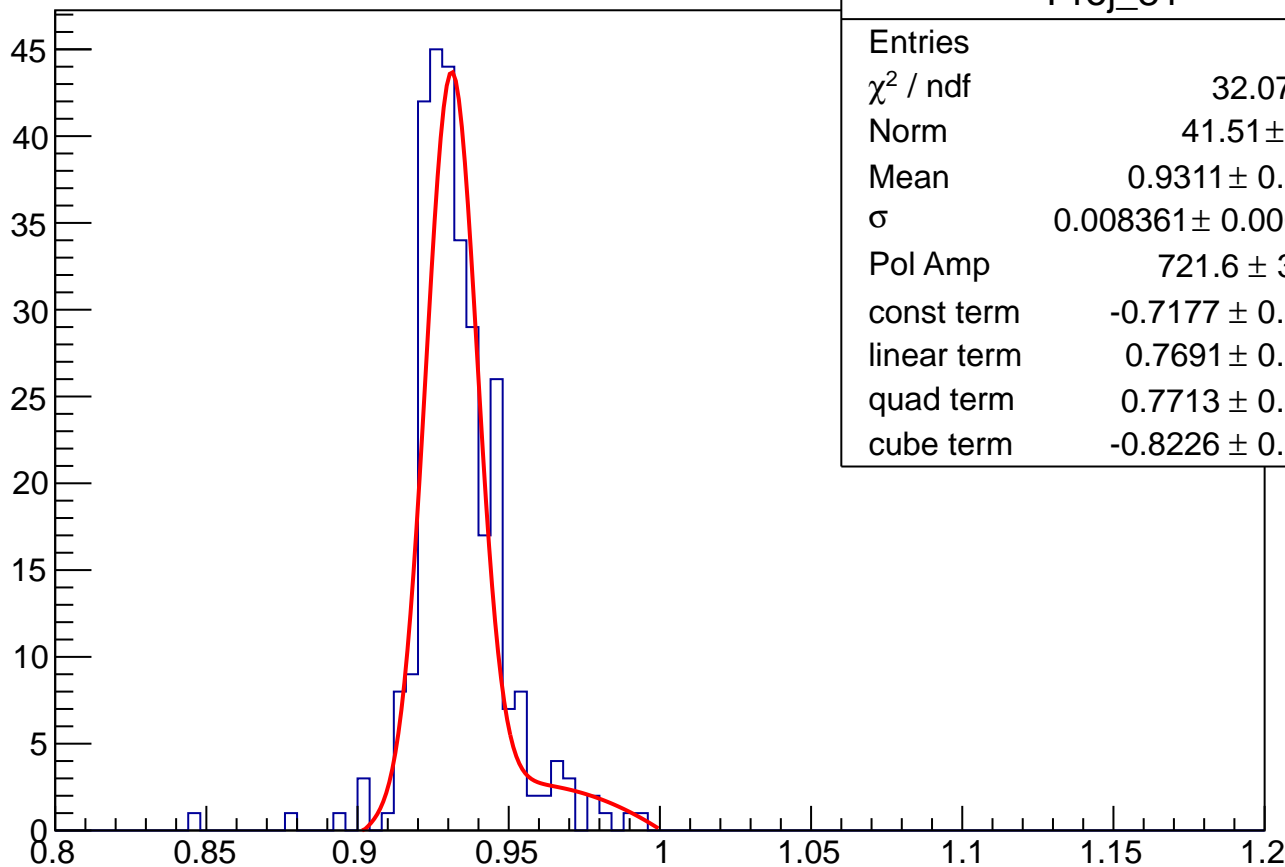
PhiThetaMassPip



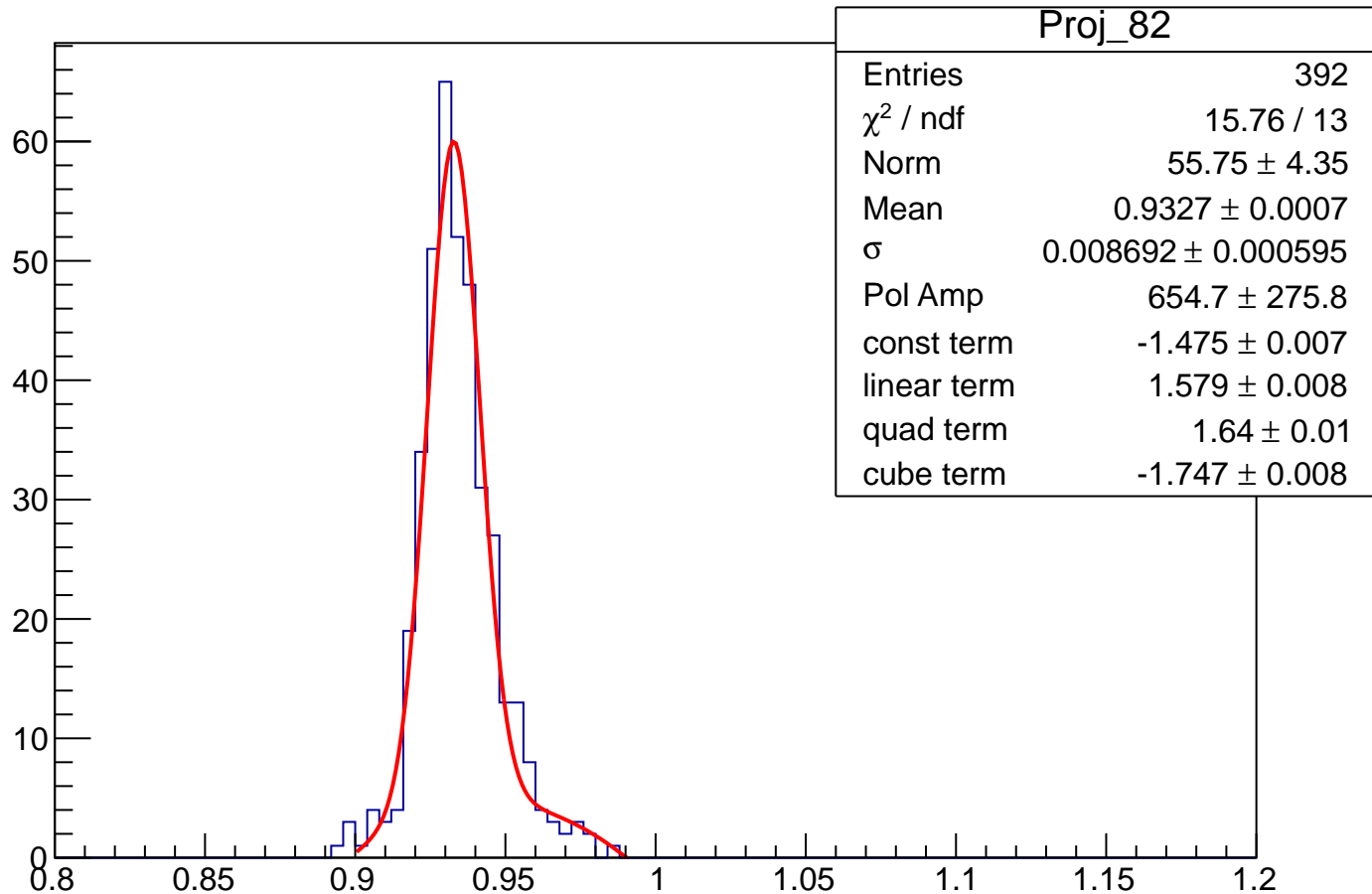
Proj_80

Entries	284
χ^2 / ndf	23.61 / 12
Norm	40.63 ± 3.46
Mean	0.9348 ± 0.0007
σ	0.008916 ± 0.000652
Pol Amp	235.3 ± 476.1
const term	-0.6196 ± 0.0184
linear term	0.6775 ± 0.0212
quad term	0.6928 ± 0.0217
cube term	-0.7486 ± 0.0197

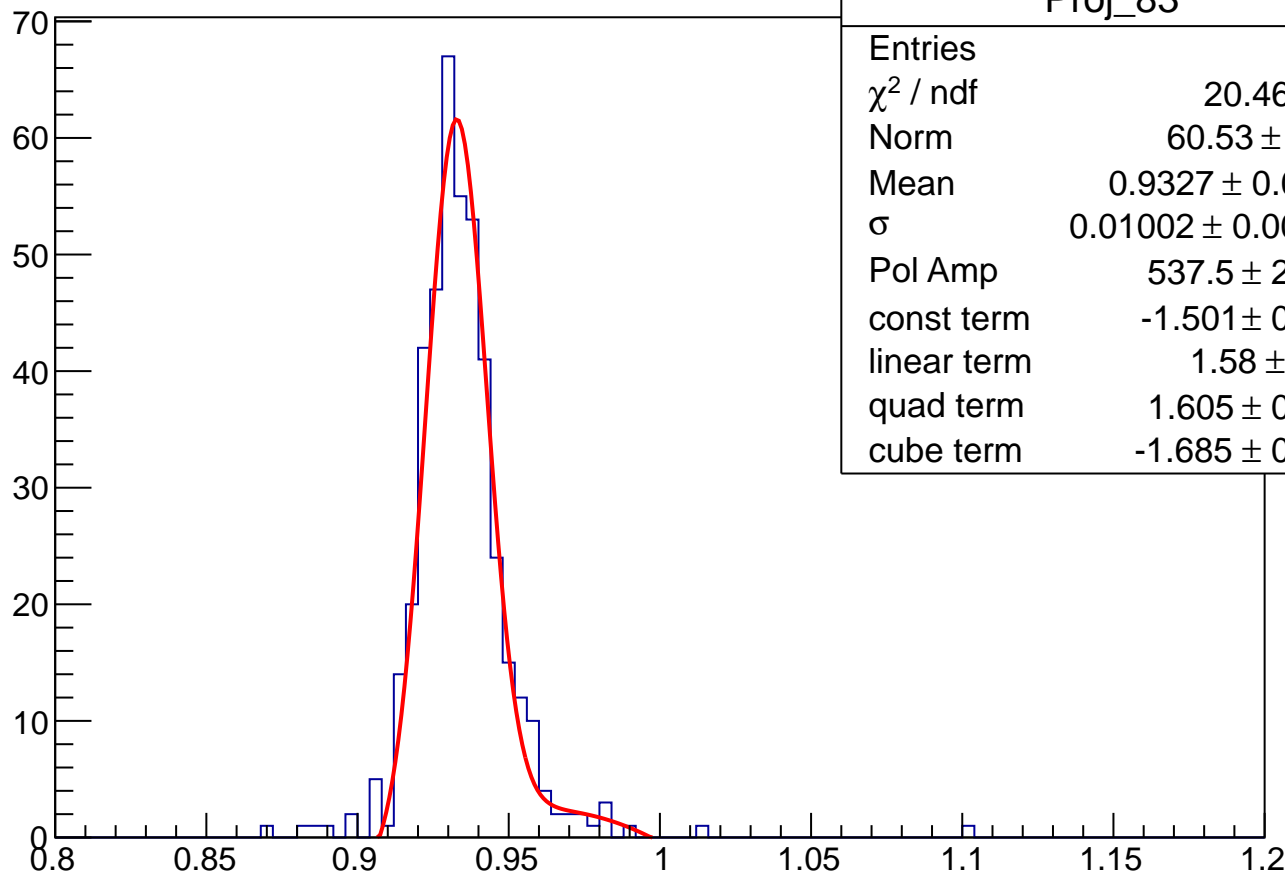
PhiThetaMassPip



PhiThetaMassPip



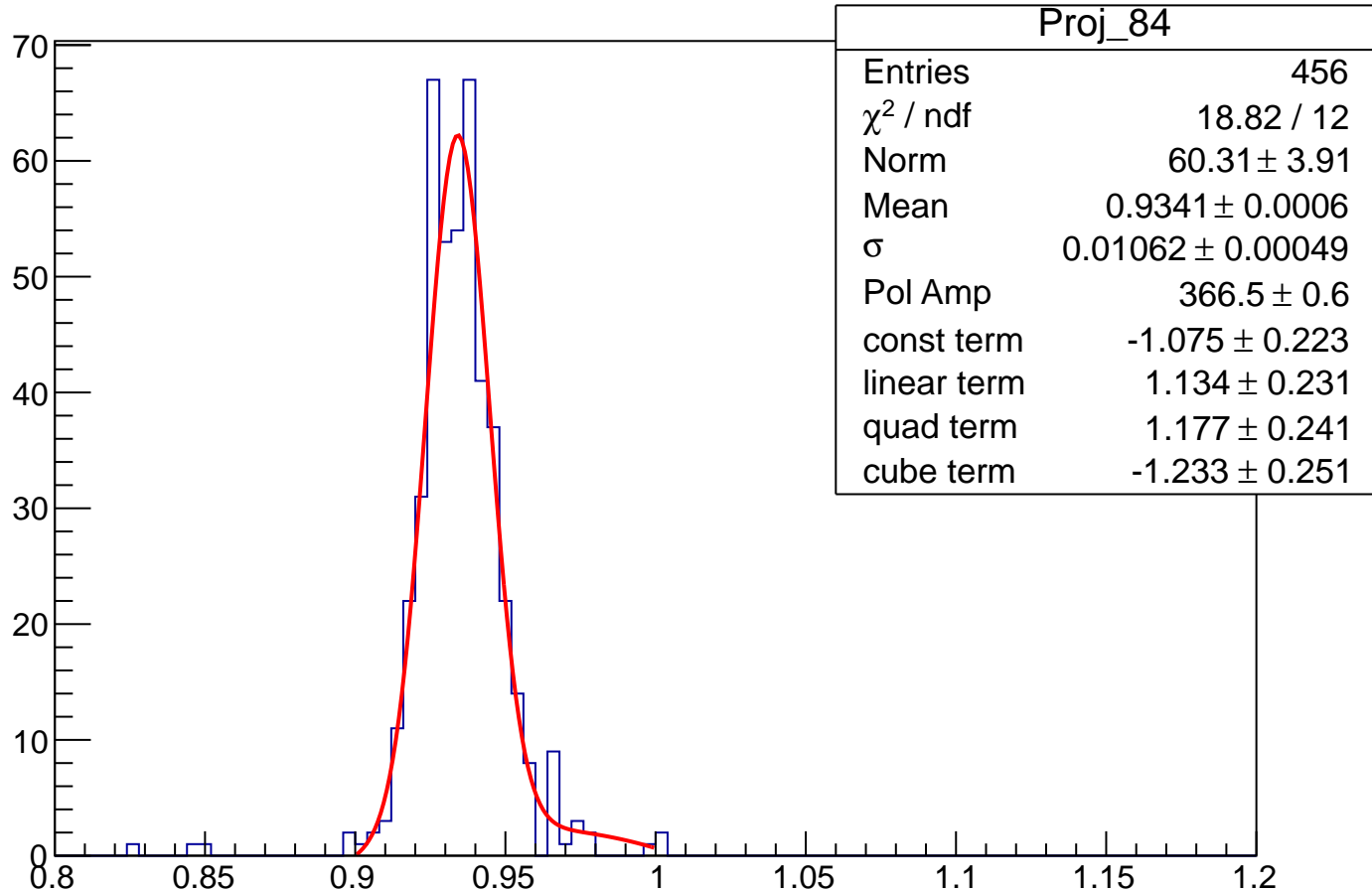
PhiThetaMassPip



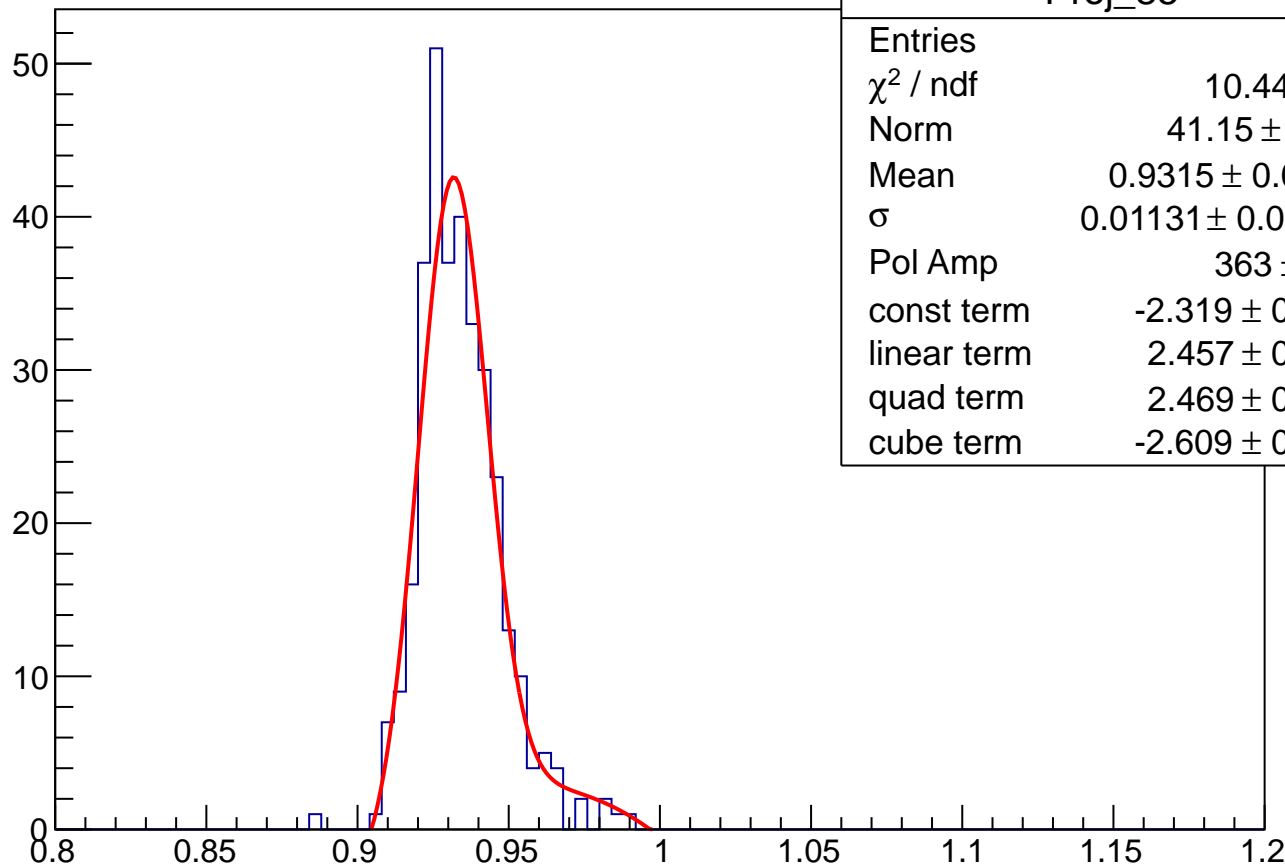
Proj_83

Entries	429
χ^2 / ndf	20.46 / 13
Norm	60.53 ± 3.99
Mean	0.9327 ± 0.0007
σ	0.01002 ± 0.00055
Pol Amp	537.5 ± 216.6
const term	-1.501 ± 0.009
linear term	1.58 ± 0.01
quad term	1.605 ± 0.010
cube term	-1.685 ± 0.010

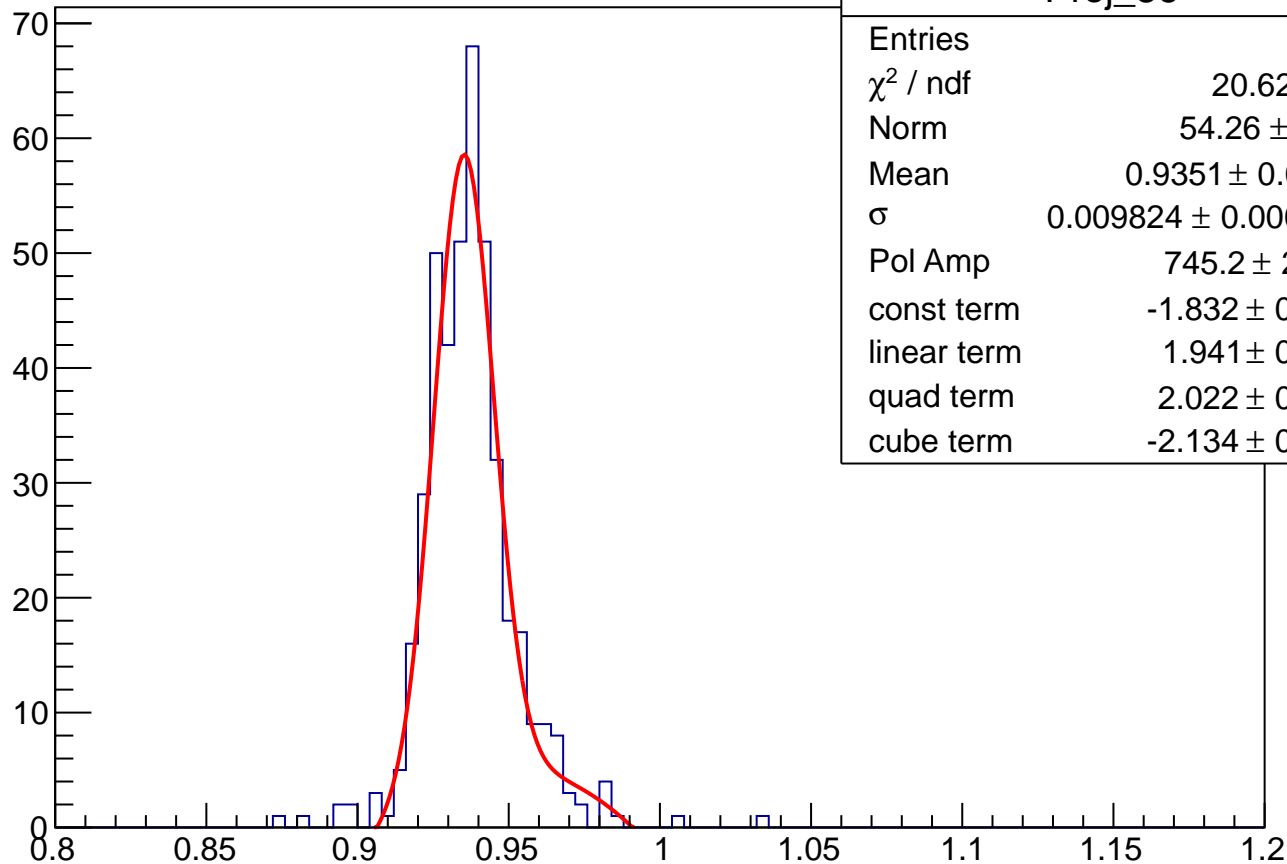
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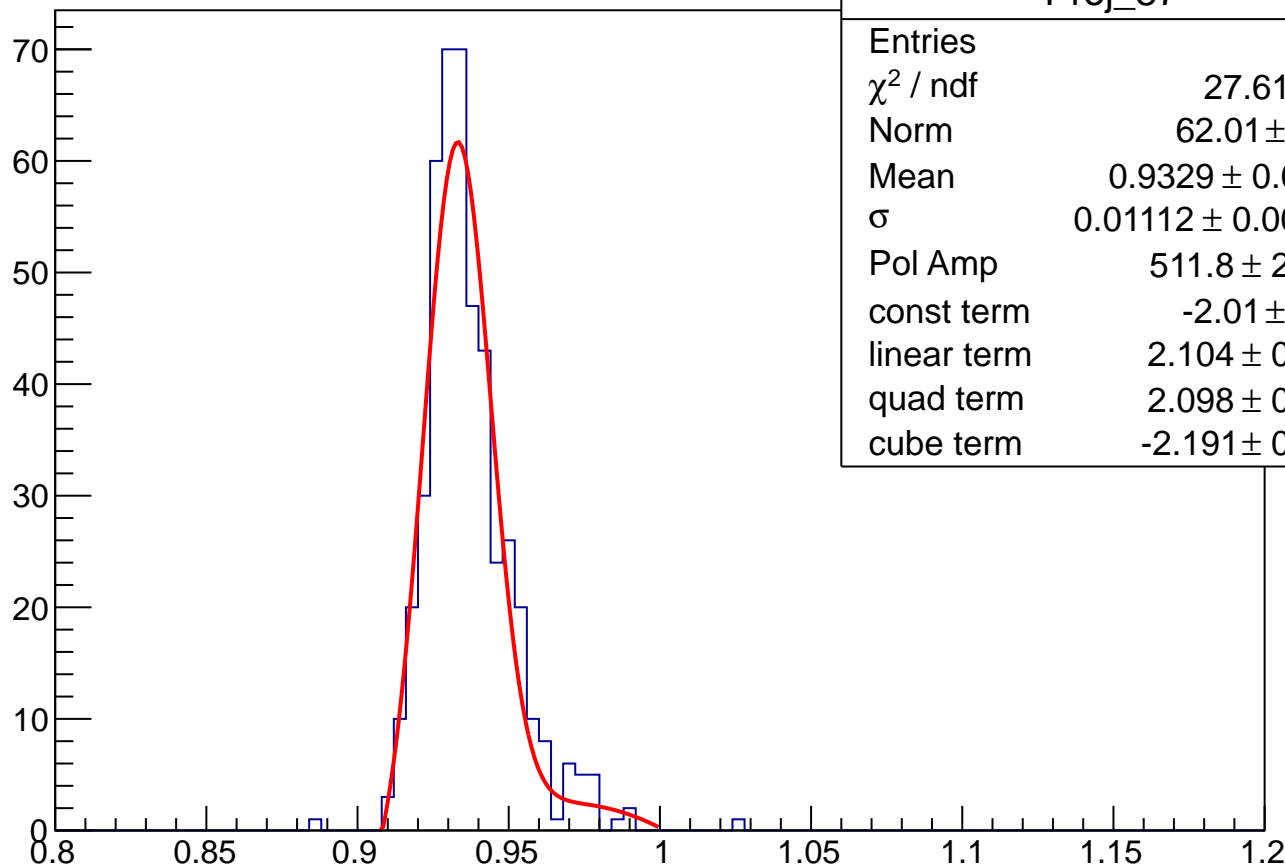
PhiThetaMassPip



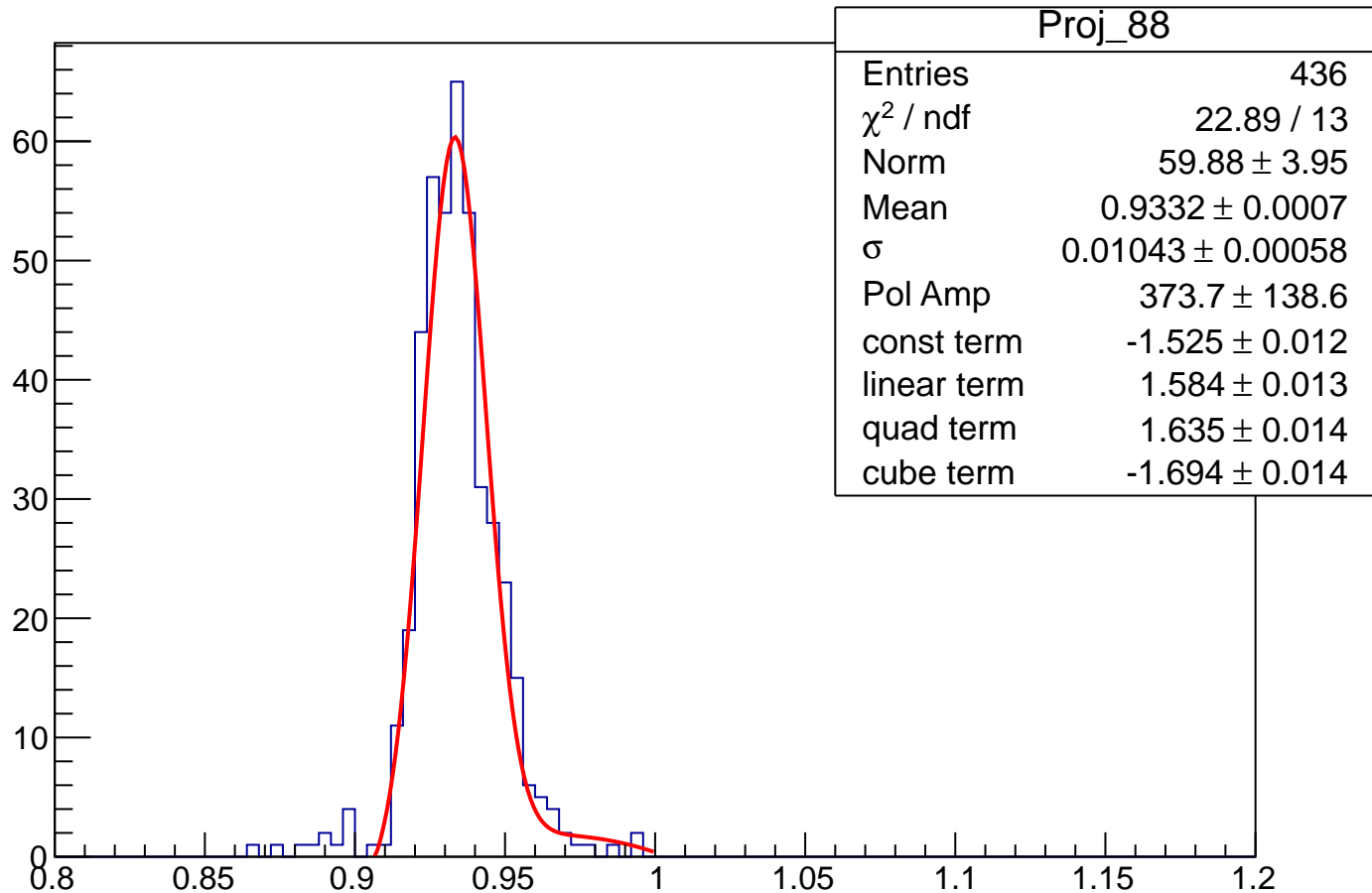
PhiThetaMassPip



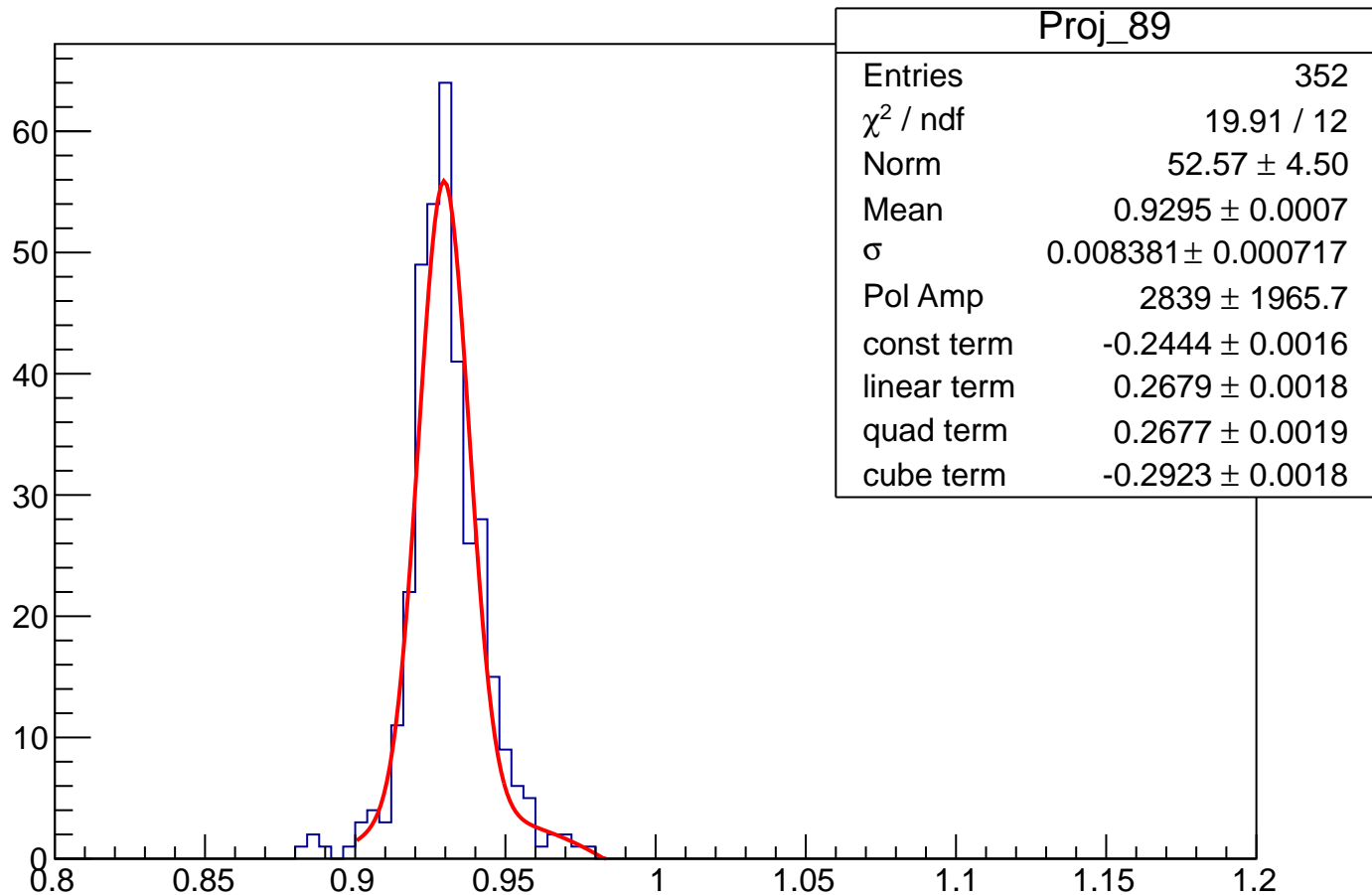
PhiThetaMassPip



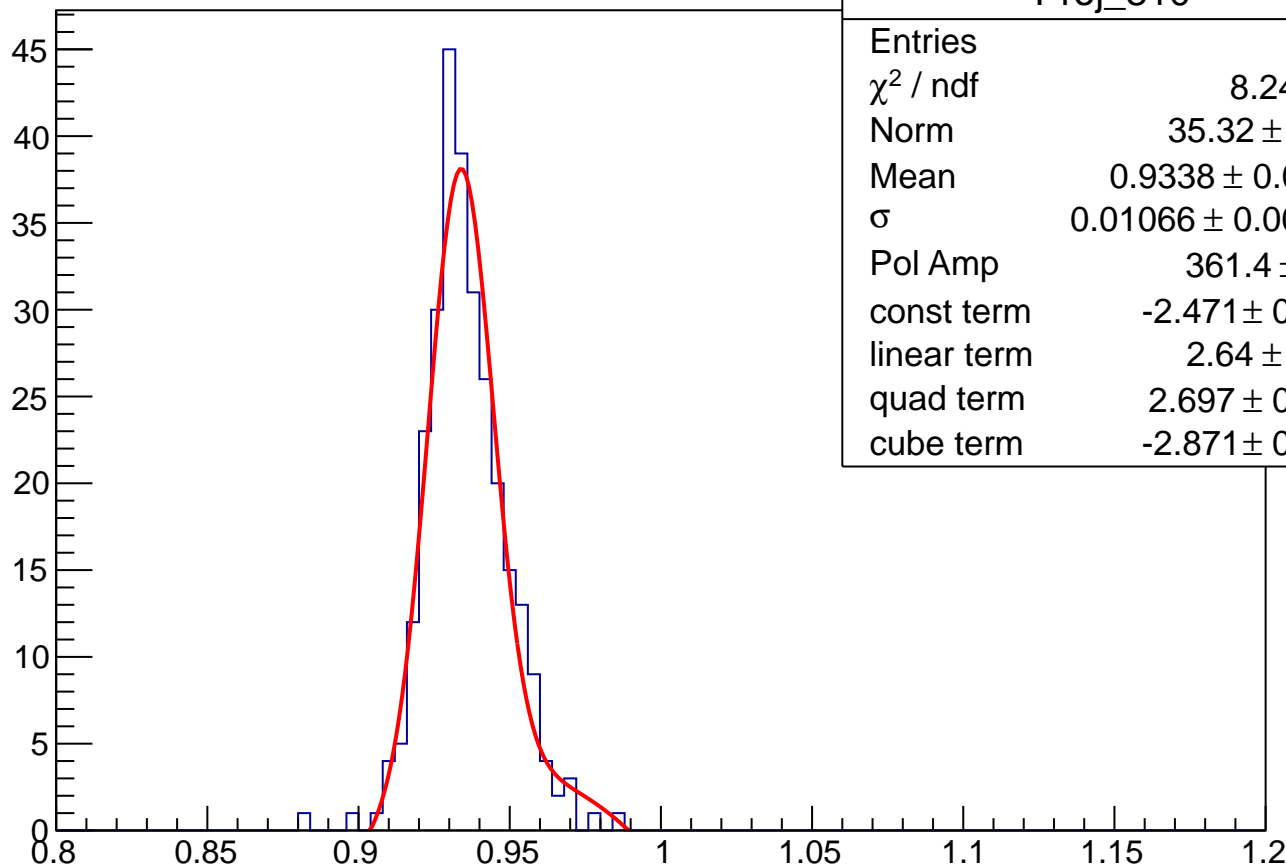
PhiThetaMassPip



PhiThetaMassPip



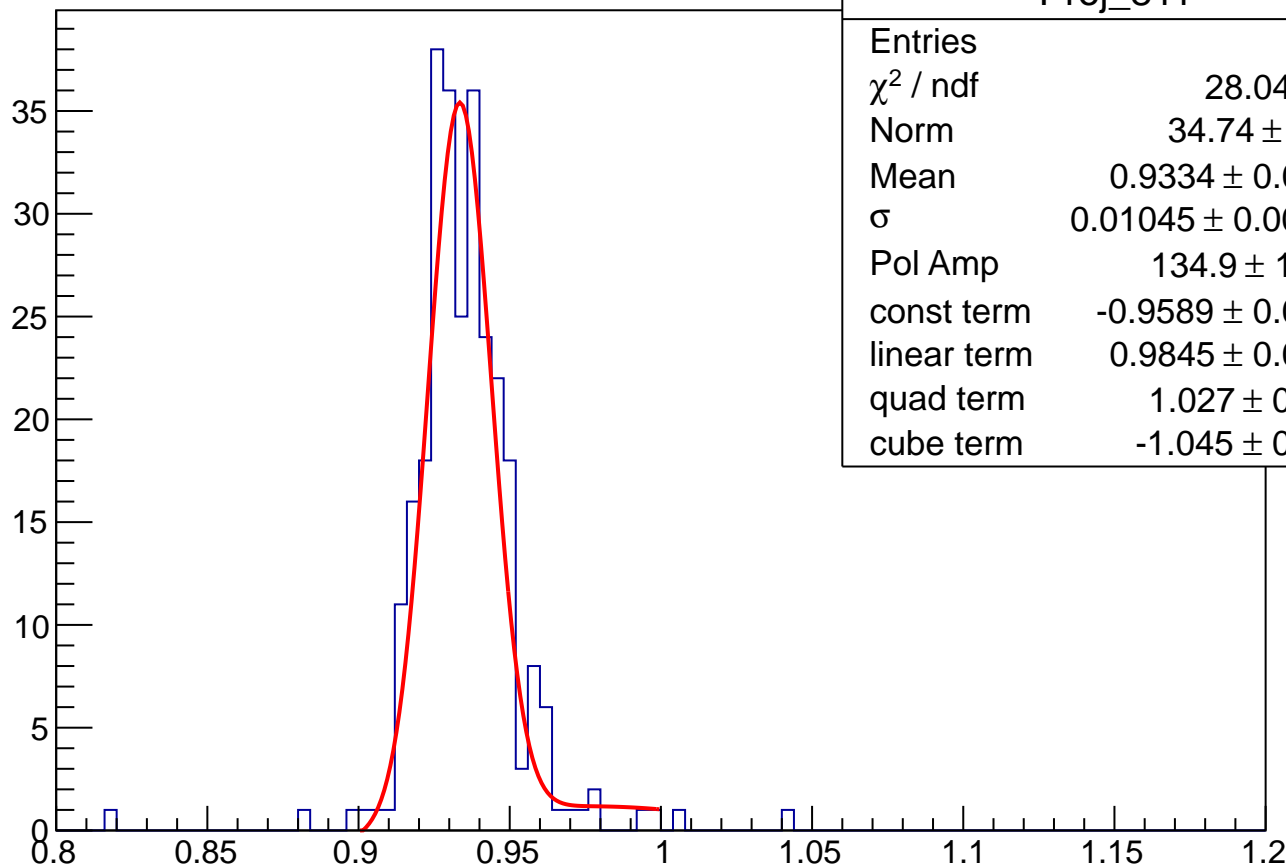
PhiThetaMassPip



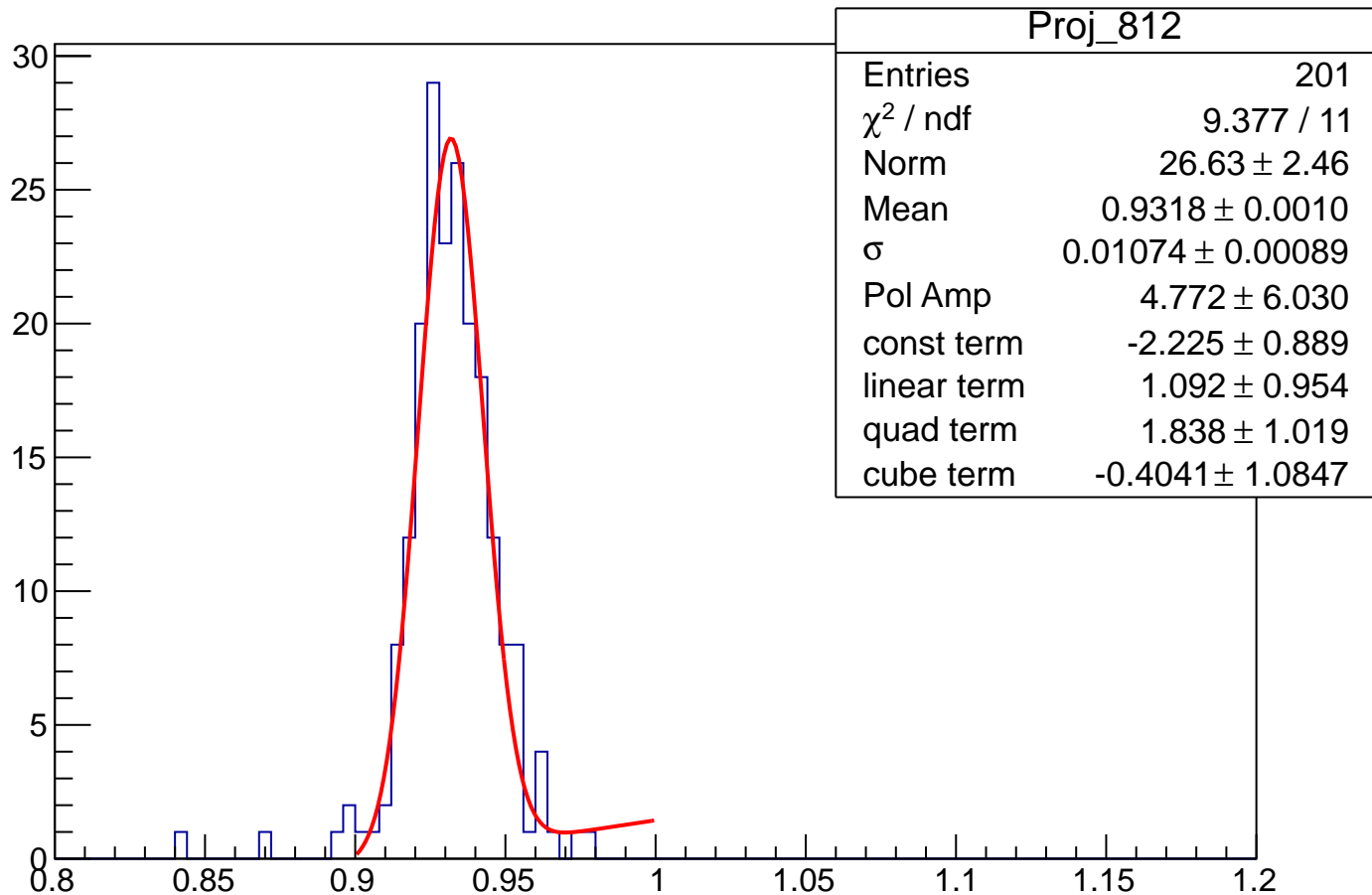
Proj_810

Entries	286
χ^2 / ndf	8.24 / 11
Norm	35.32 ± 3.25
Mean	0.9338 ± 0.0008
σ	0.01066 ± 0.00070
Pol Amp	361.4 ± 0.9
const term	-2.471 ± 0.604
linear term	2.64 ± 0.64
quad term	2.697 ± 0.655
cube term	-2.871 ± 0.694

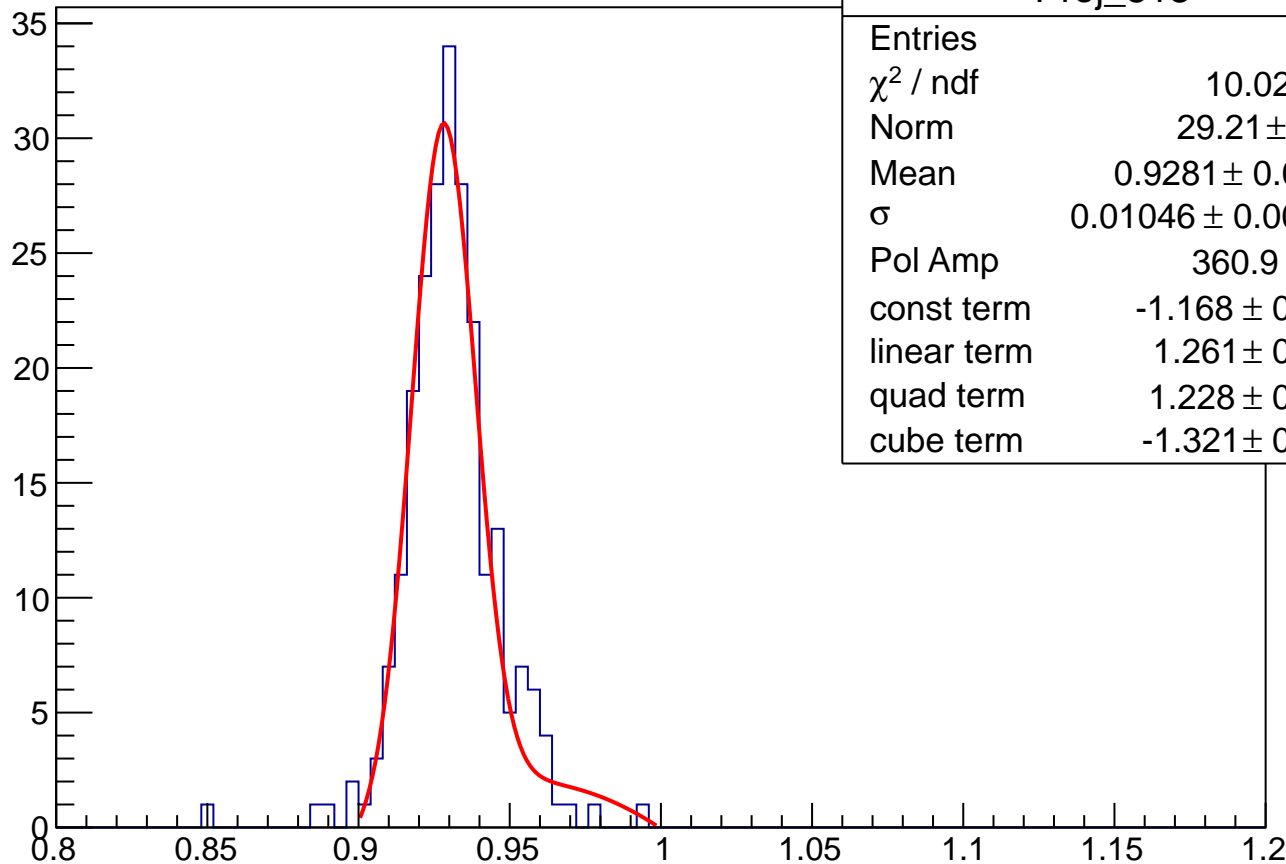
PhiThetaMassPip



PhiThetaMassPip



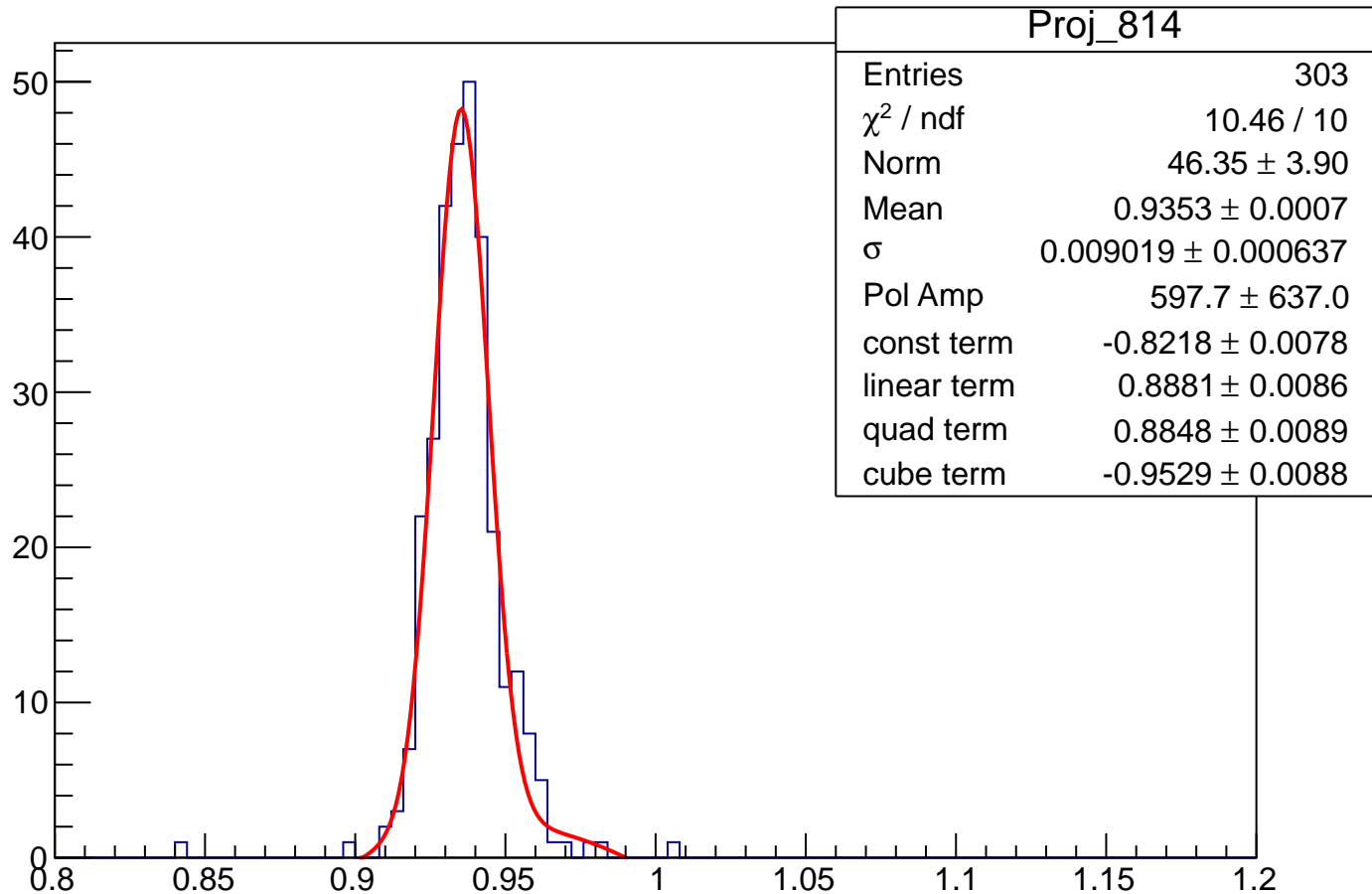
PhiThetaMassPip



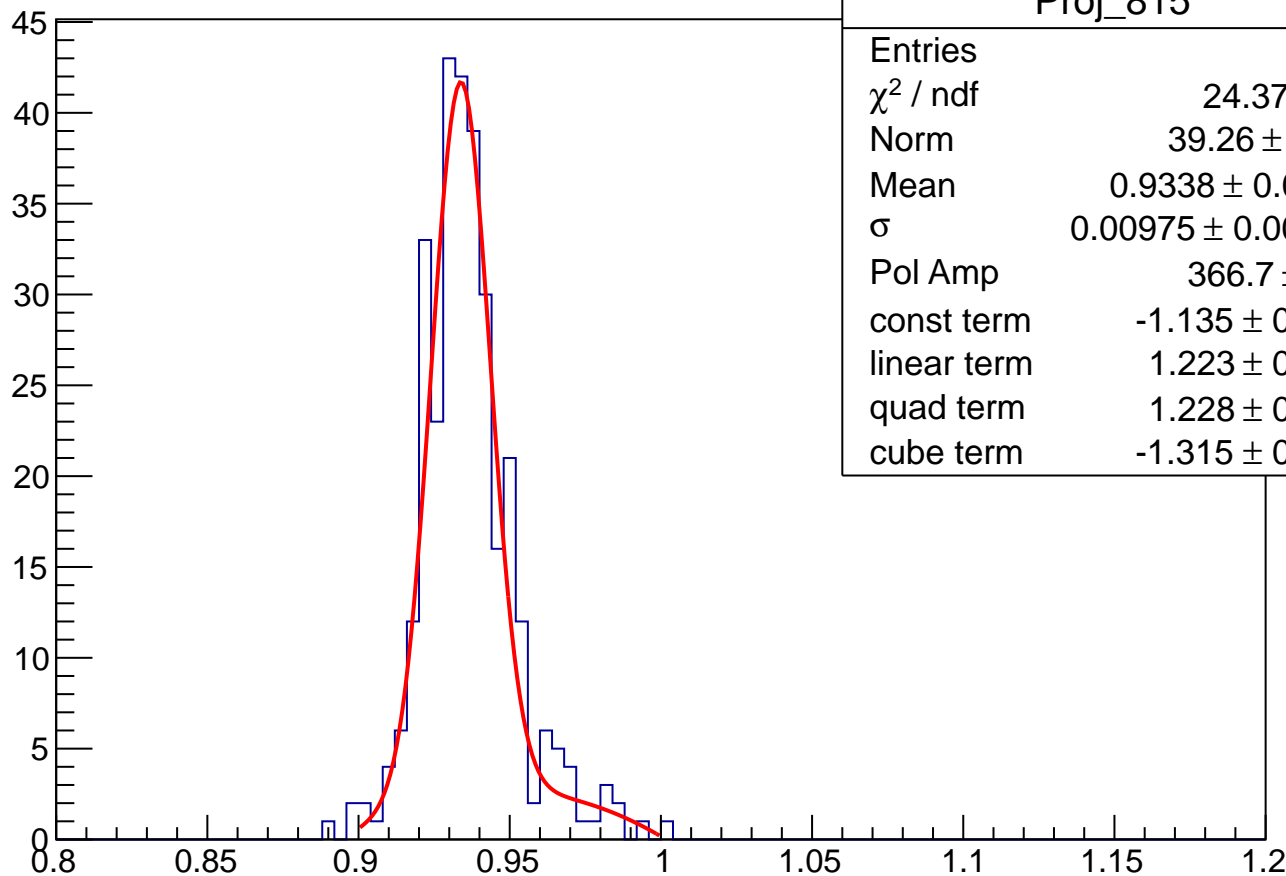
Proj_813

Entries	232
χ^2 / ndf	10.02 / 12
Norm	29.21 ± 2.81
Mean	0.9281 ± 0.0006
σ	0.01046 ± 0.00106
Pol Amp	360.9 ± 2.1
const term	-1.168 ± 0.622
linear term	1.261 ± 0.665
quad term	1.228 ± 0.678
cube term	-1.321 ± 0.724

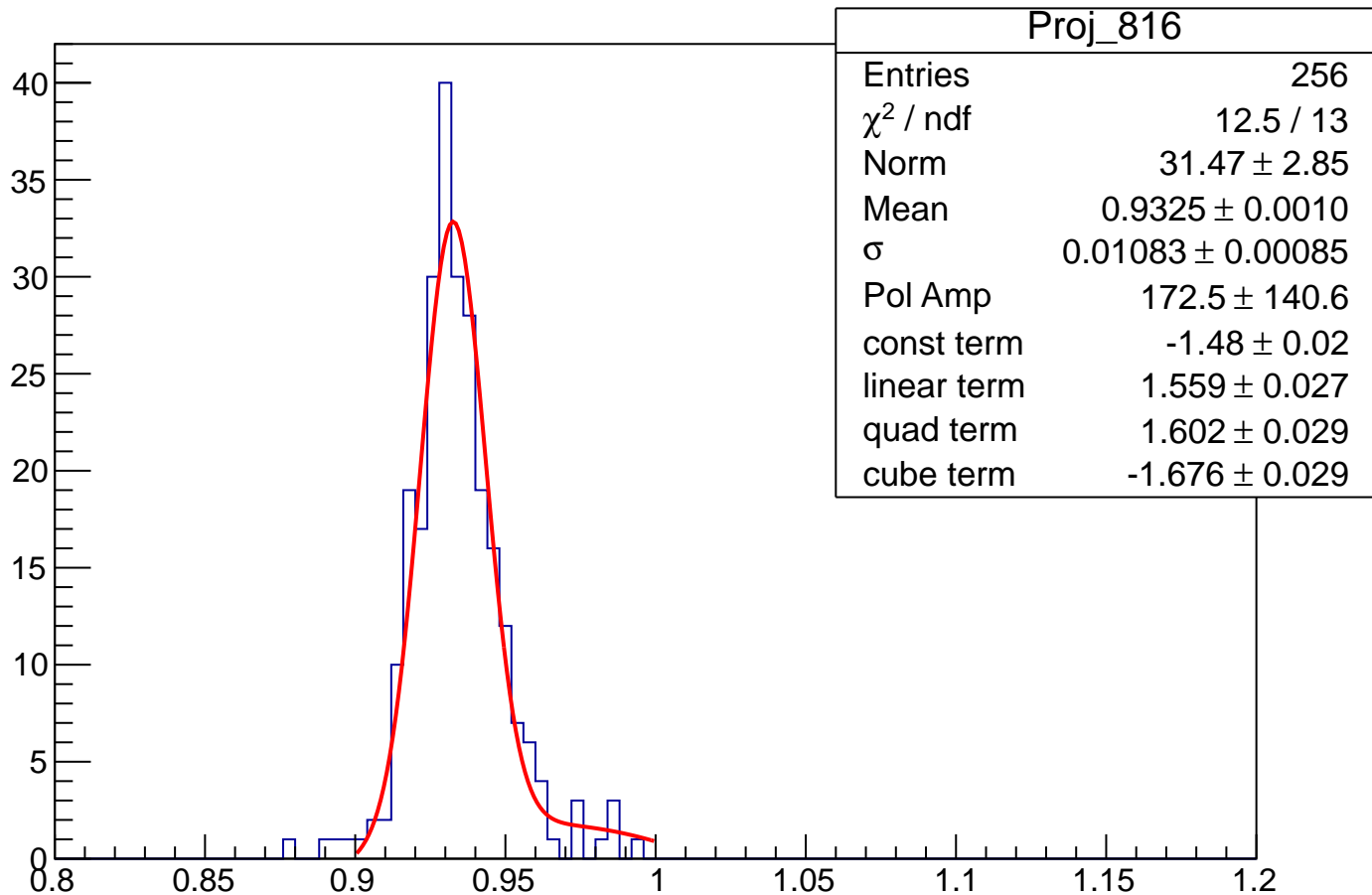
PhiThetaMassPip



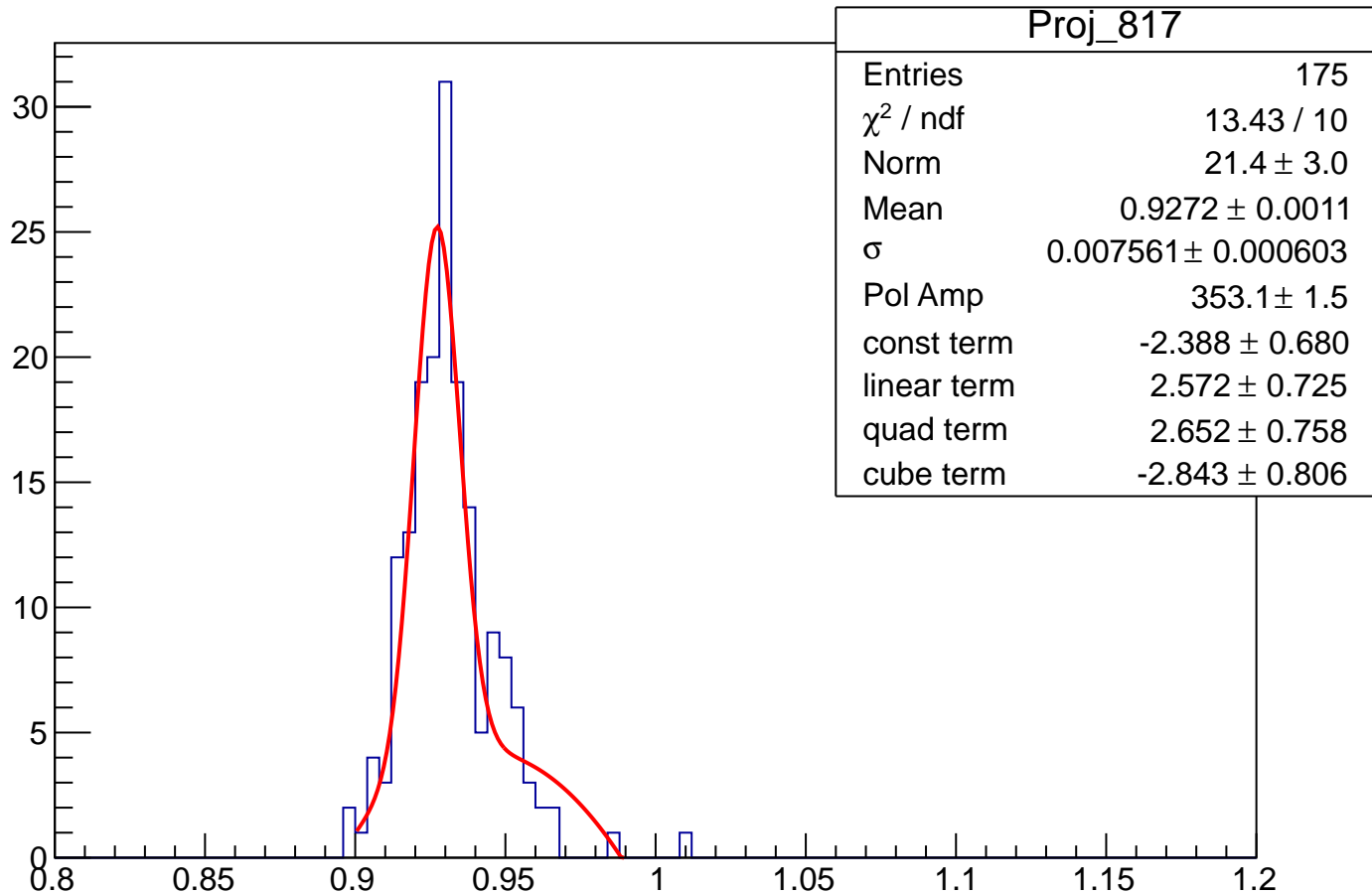
PhiThetaMassPip



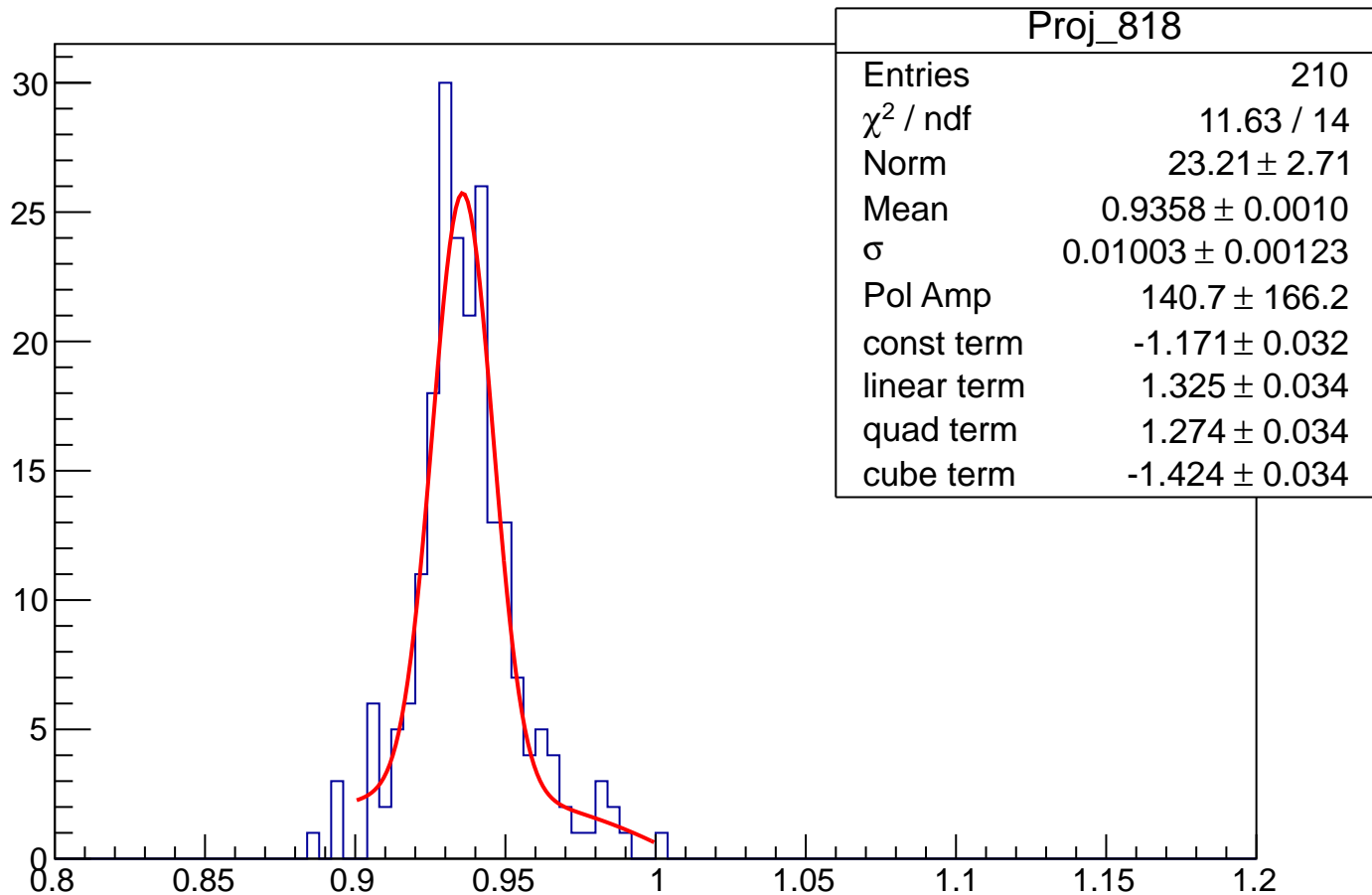
PhiThetaMassPip



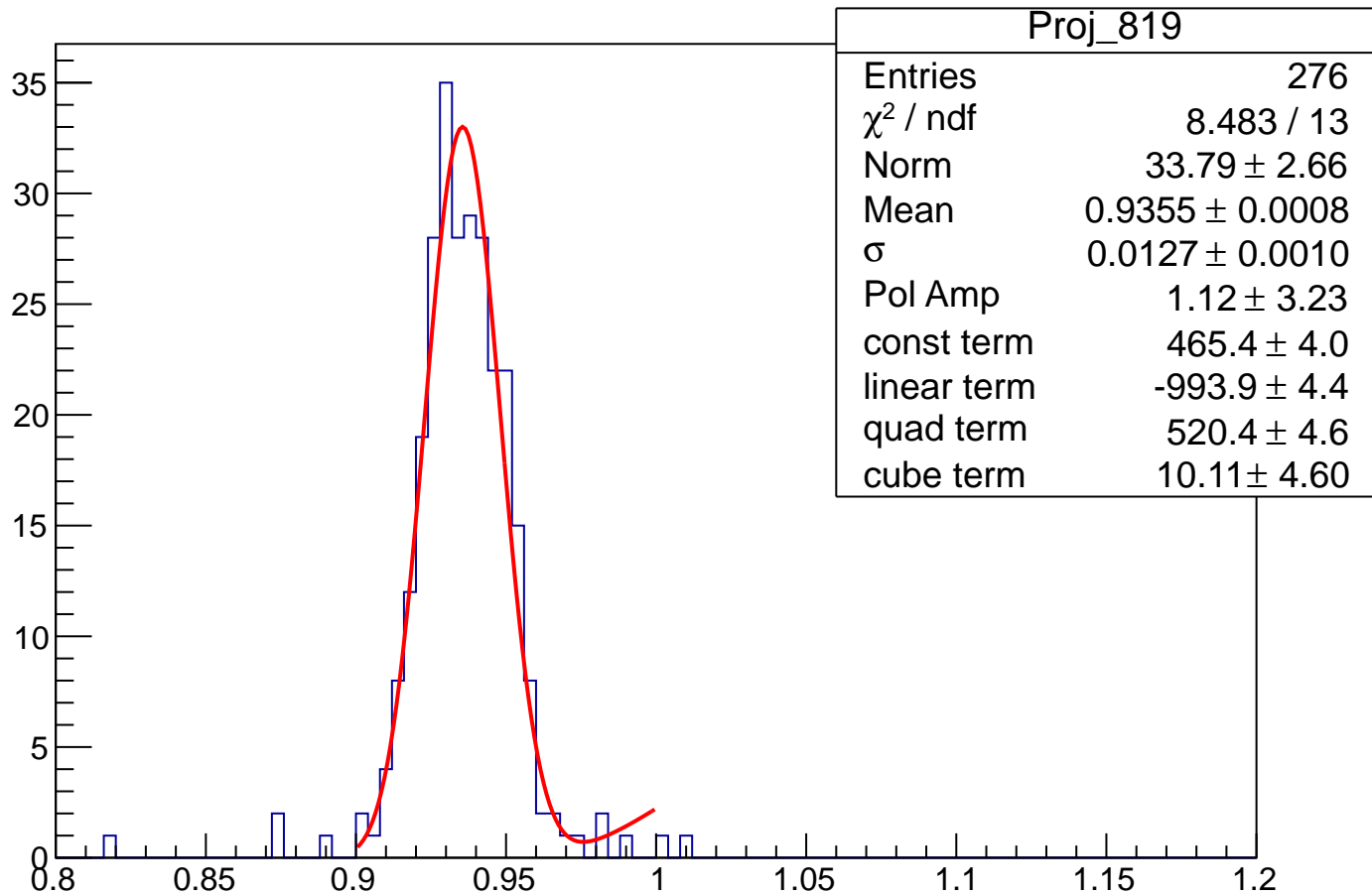
PhiThetaMassPip



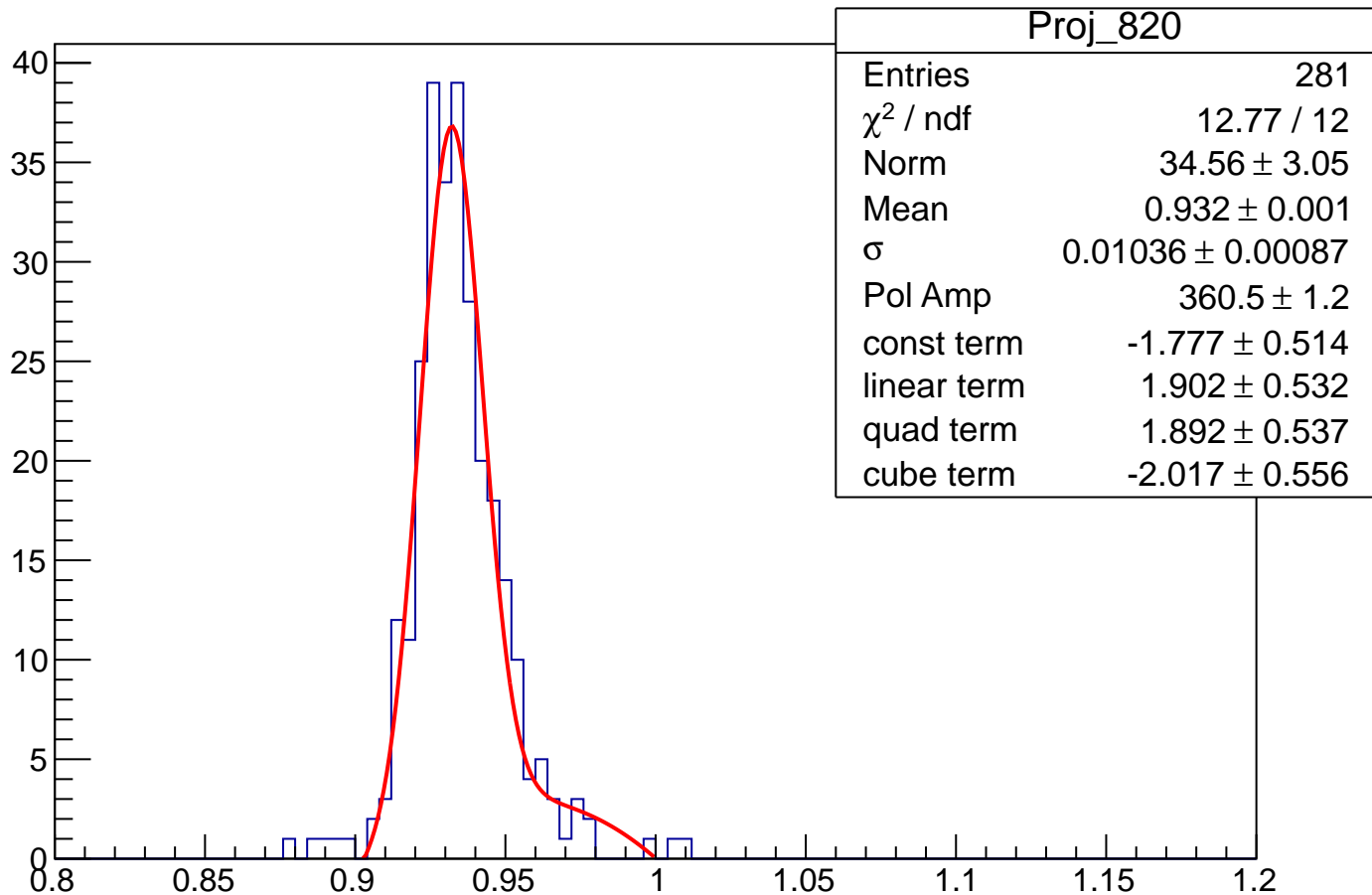
PhiThetaMassPip



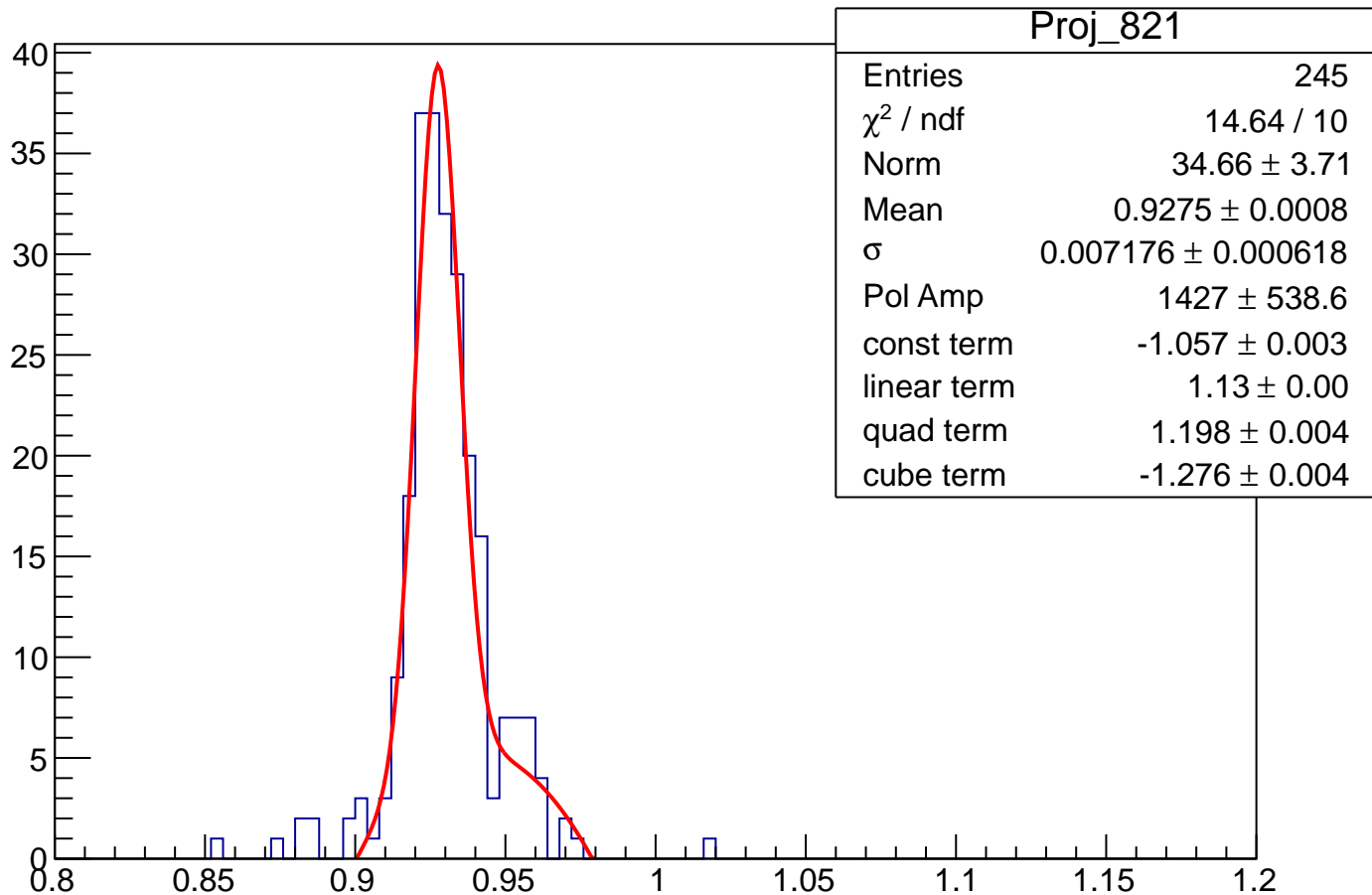
PhiThetaMassPip



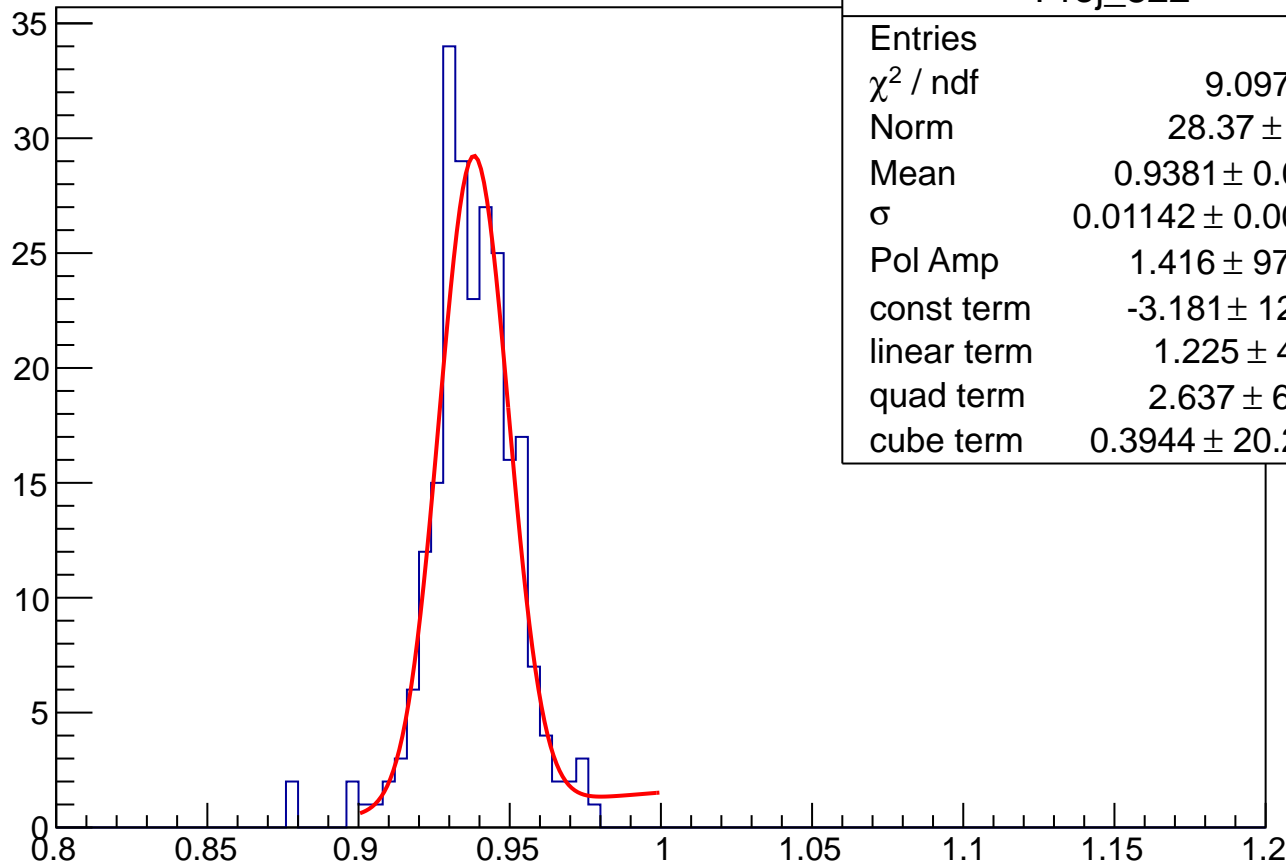
PhiThetaMassPip



PhiThetaMassPip



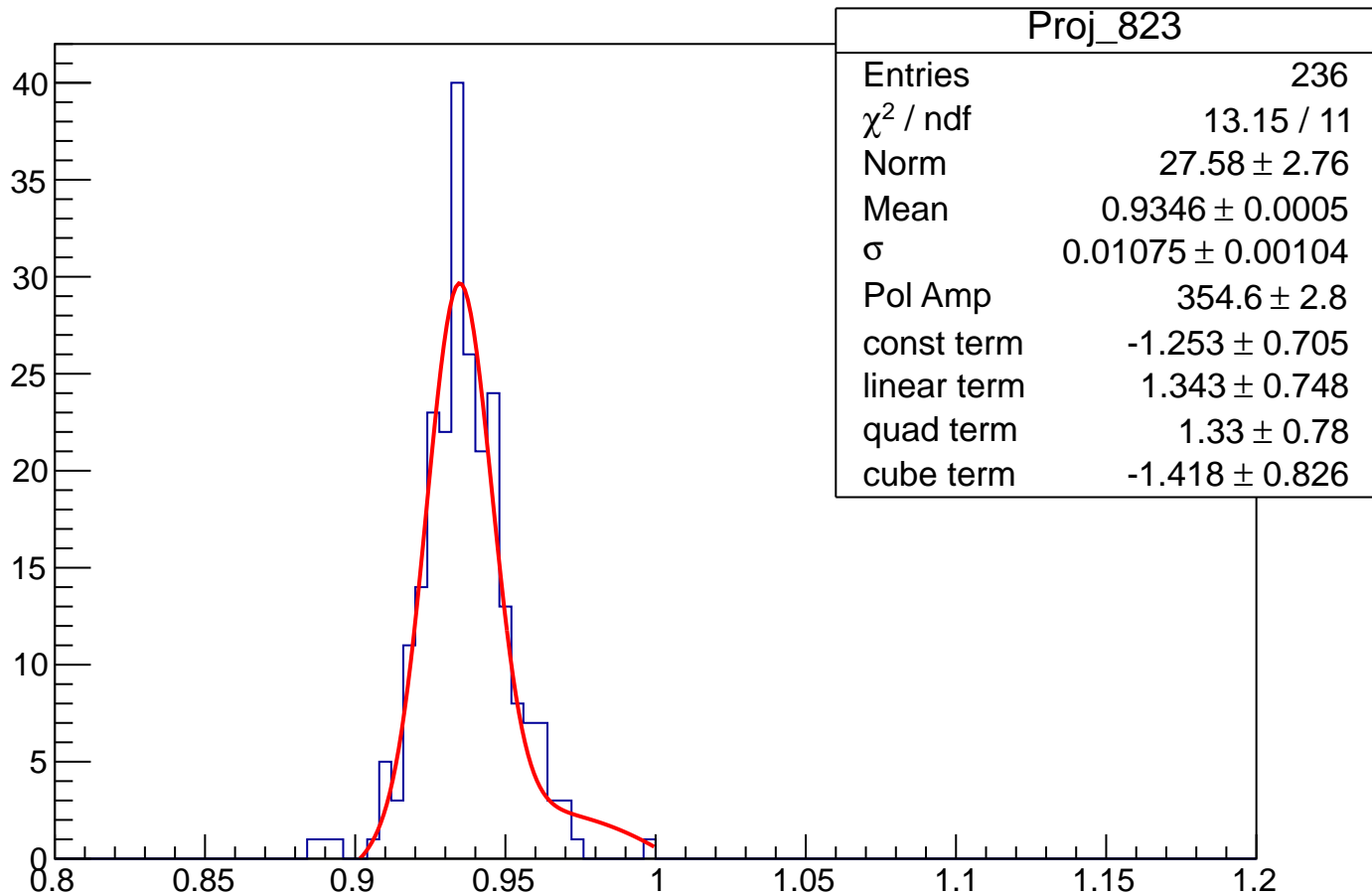
PhiThetaMassPip



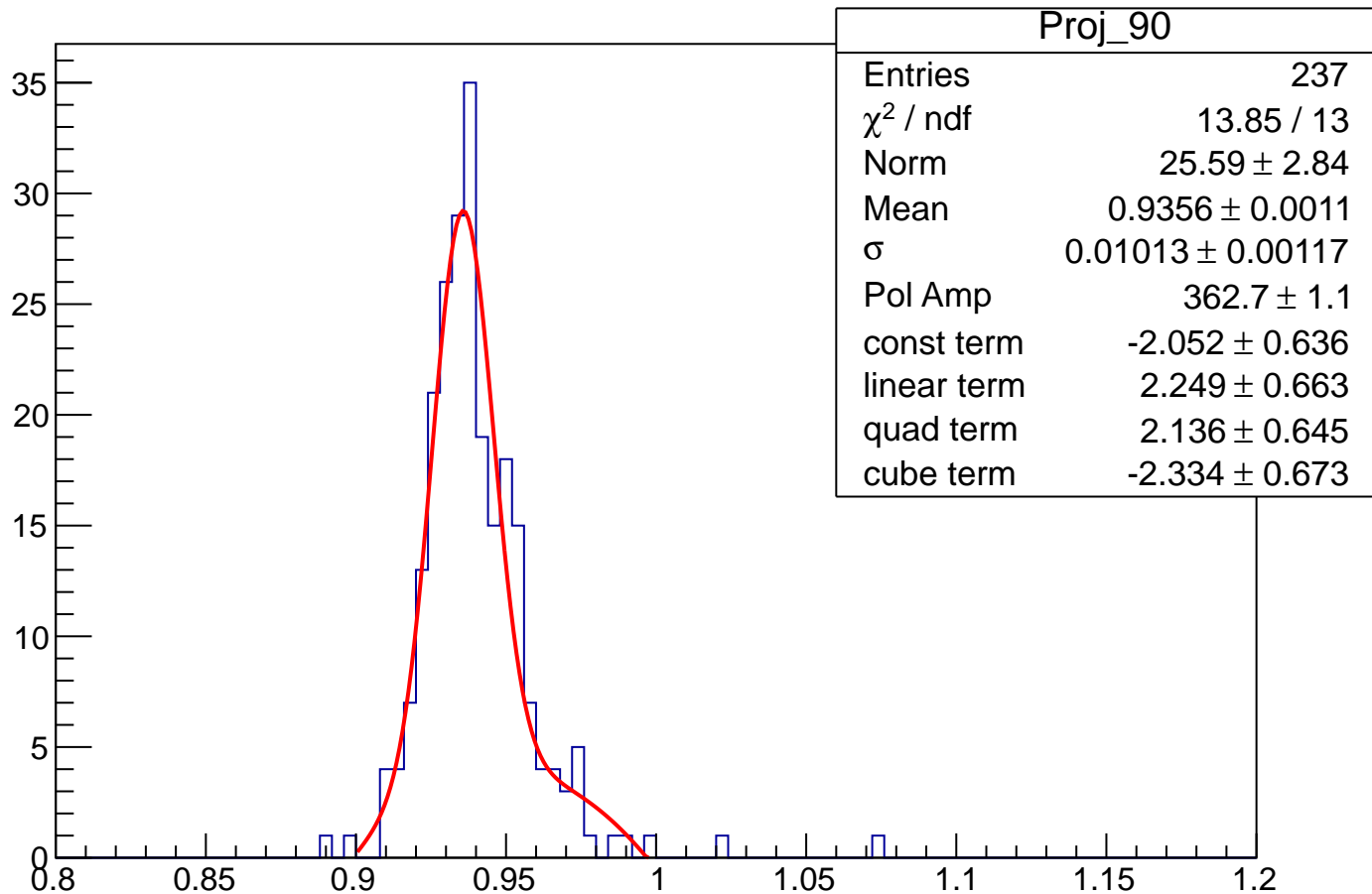
Proj_822

Entries	234
χ^2 / ndf	9.097 / 12
Norm	28.37 ± 2.52
Mean	0.9381 ± 0.0009
σ	0.01142 ± 0.00079
Pol Amp	1.416 ± 97.666
const term	-3.181 ± 12.731
linear term	1.225 ± 4.591
quad term	2.637 ± 6.335
cube term	0.3944 ± 20.2746

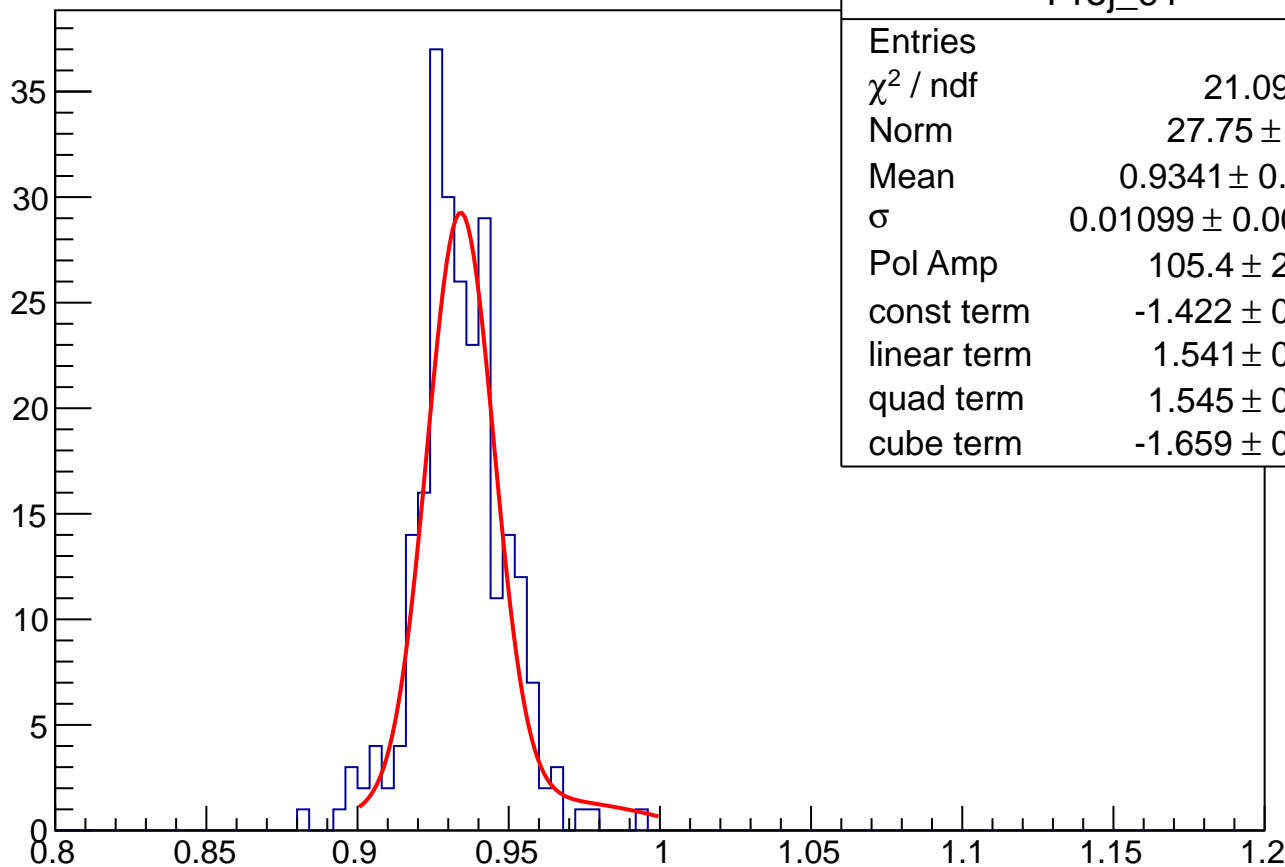
PhiThetaMassPip



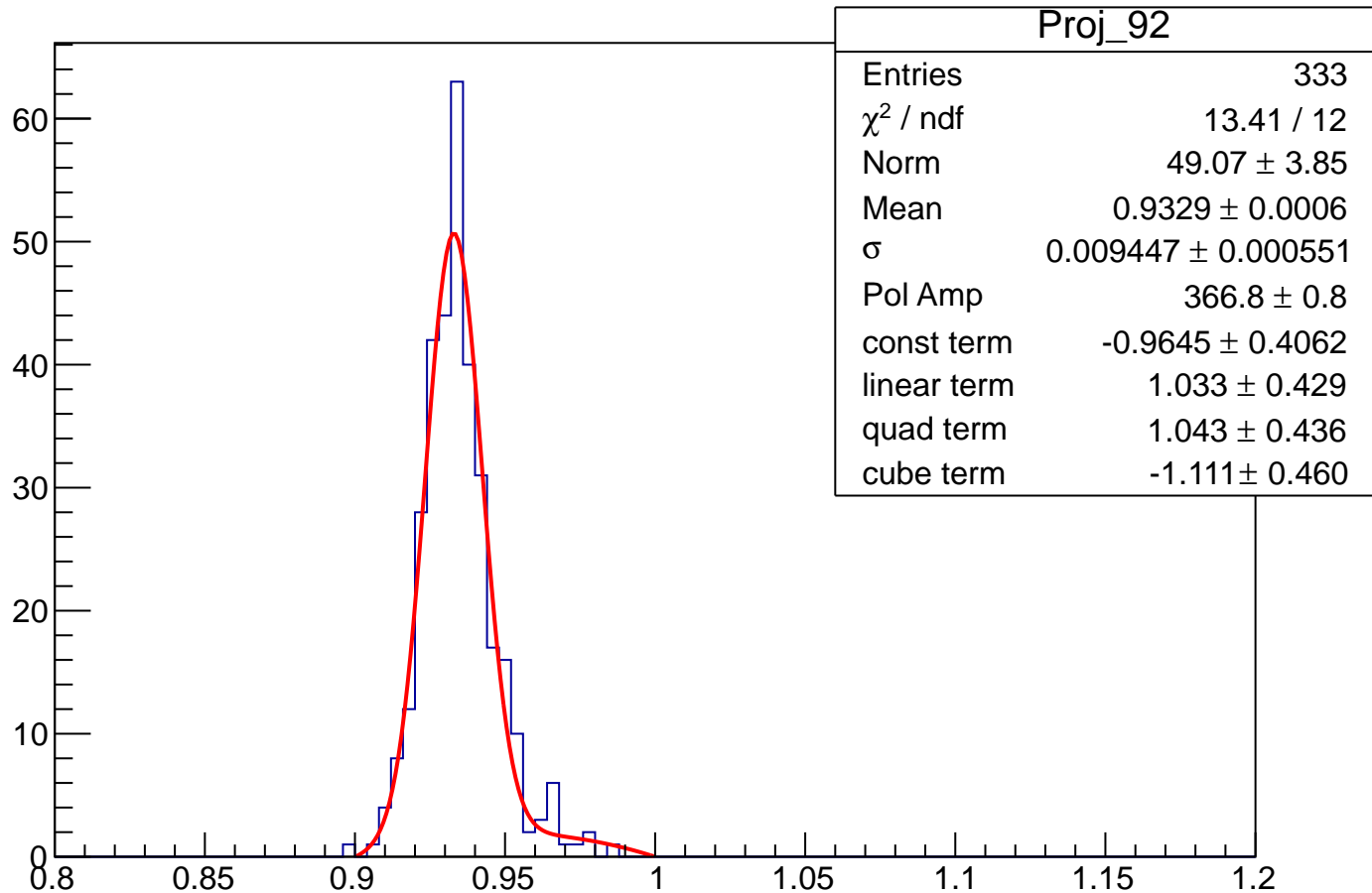
PhiThetaMassPip



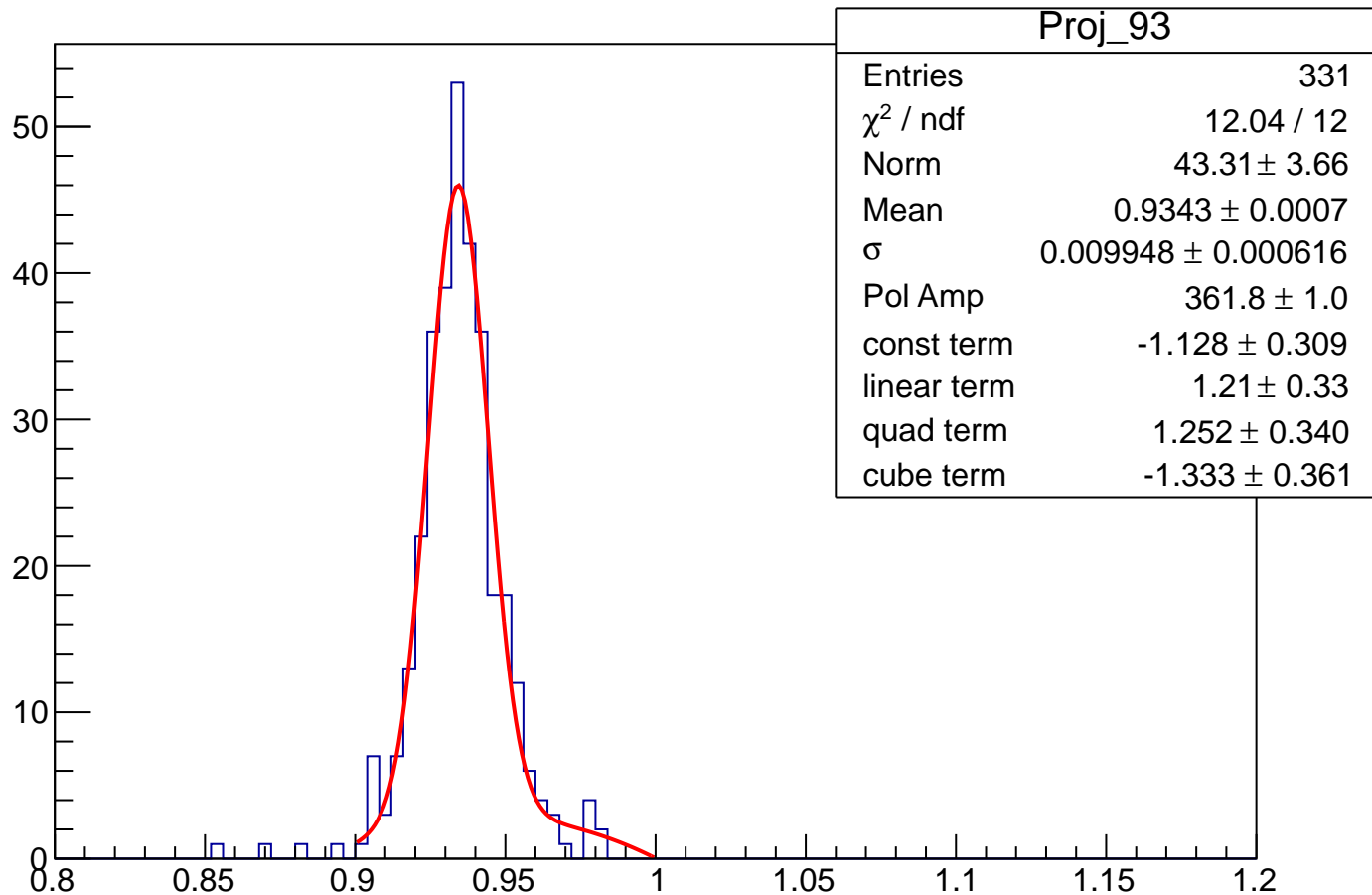
PhiThetaMassPip



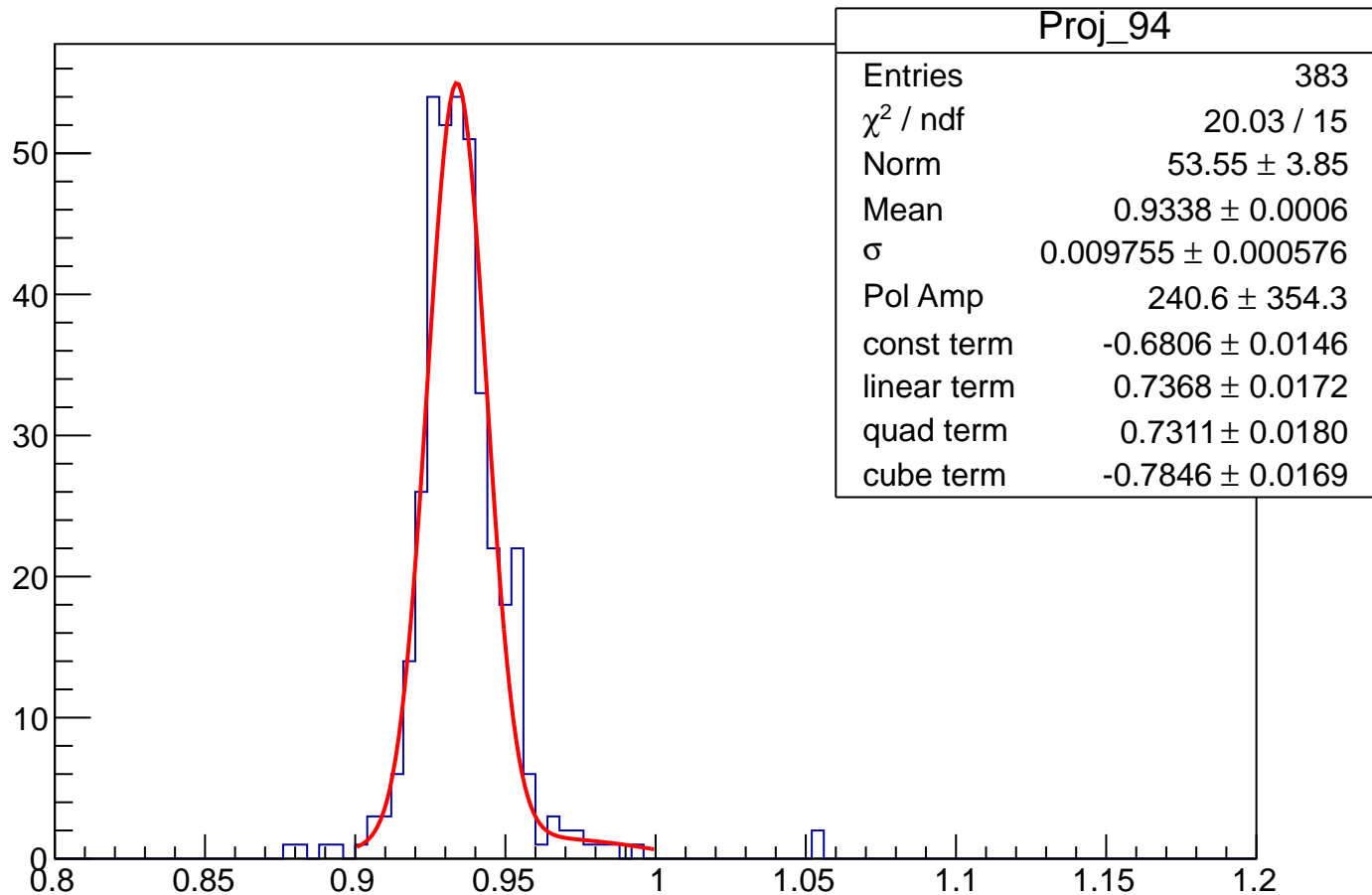
PhiThetaMassPip



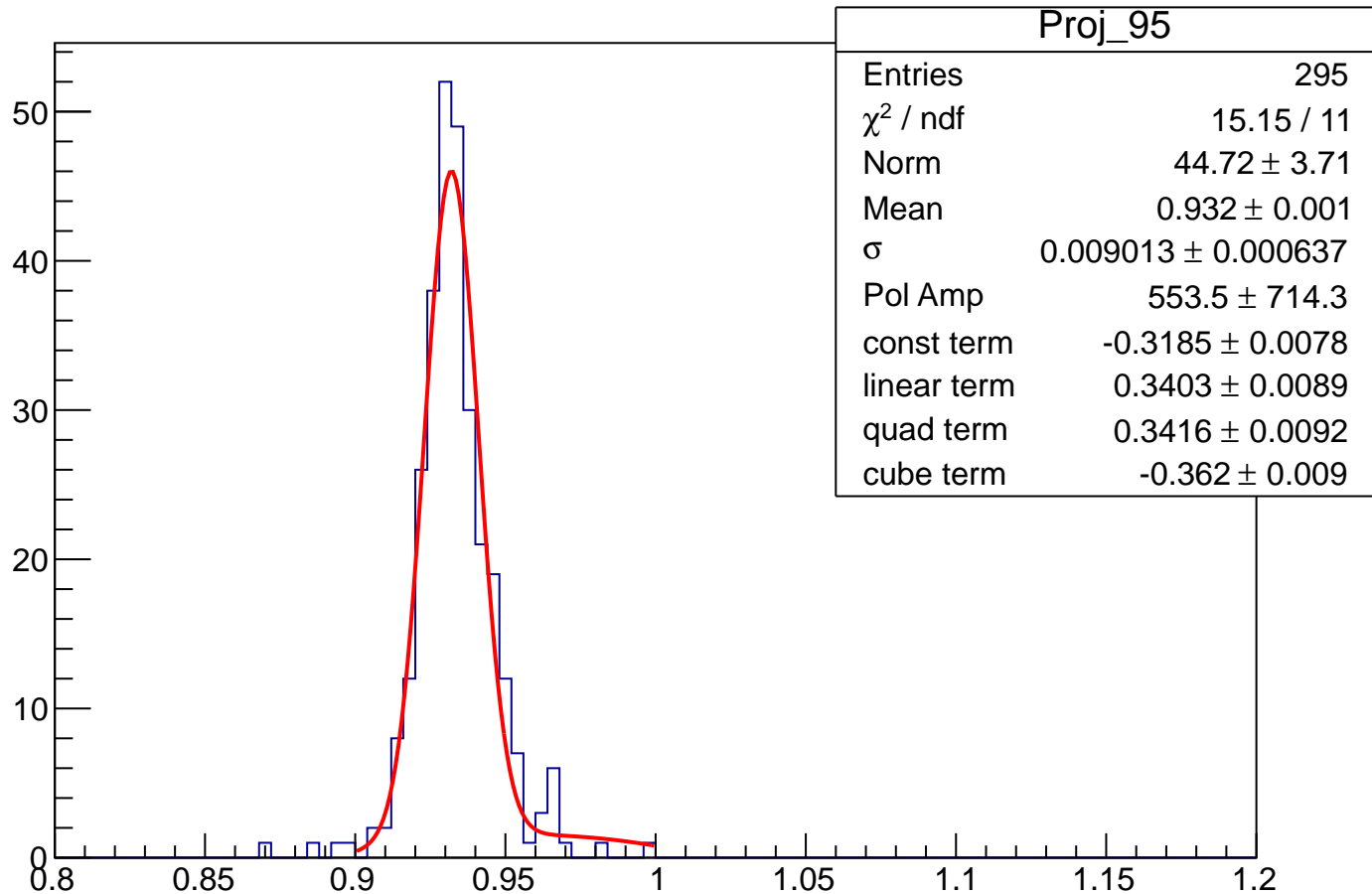
PhiThetaMassPip



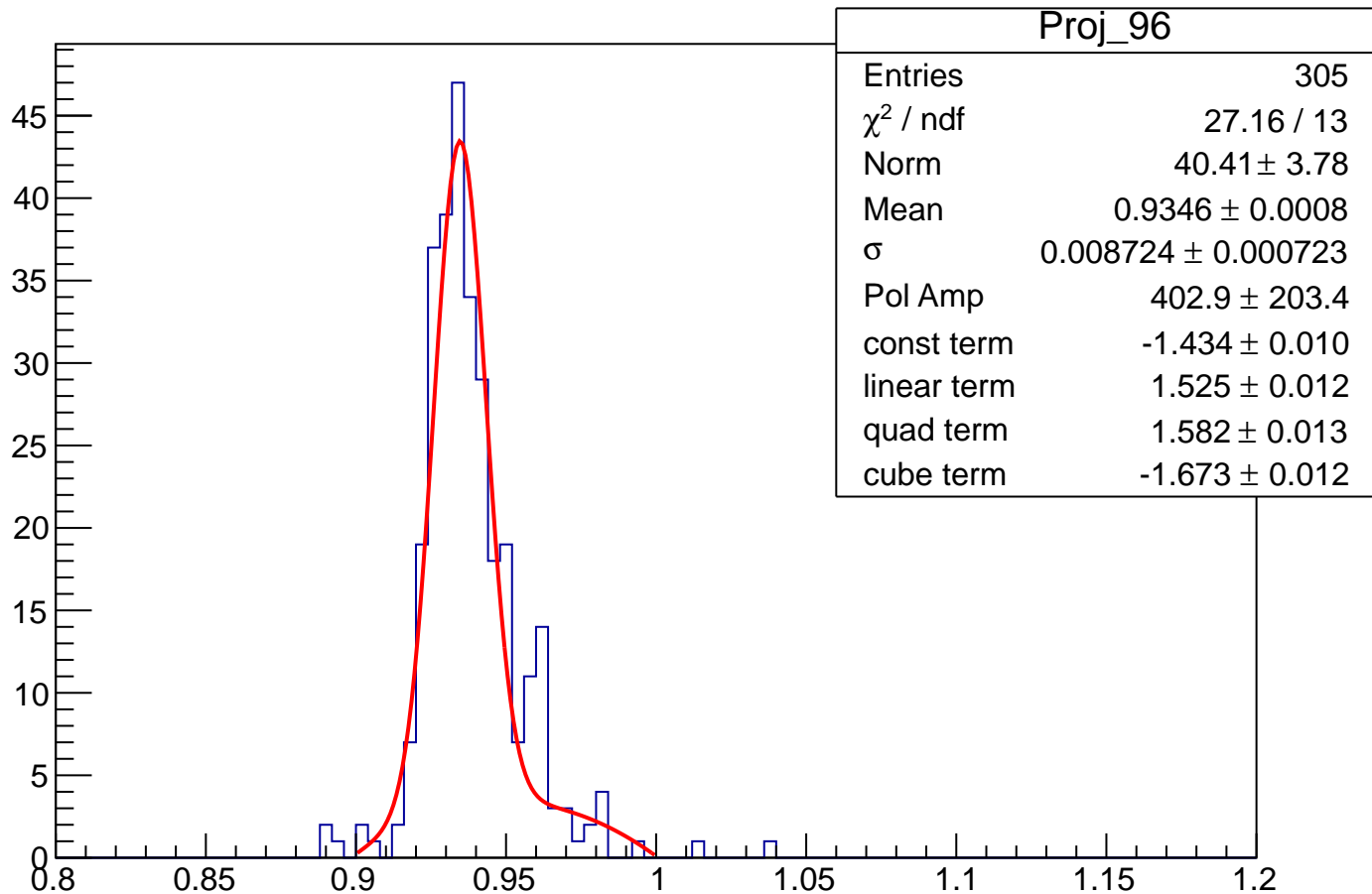
PhiThetaMassPip



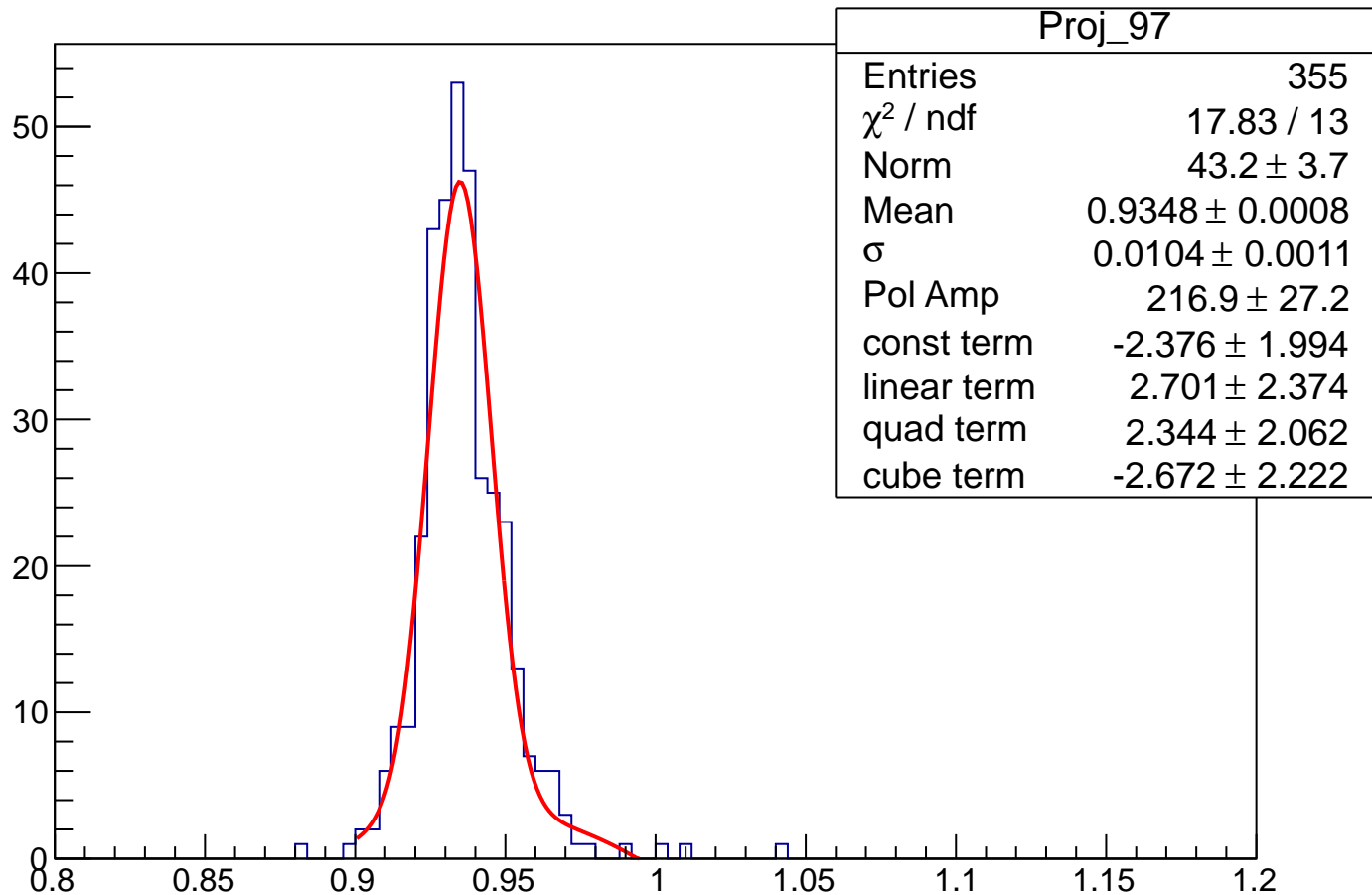
PhiThetaMassPip



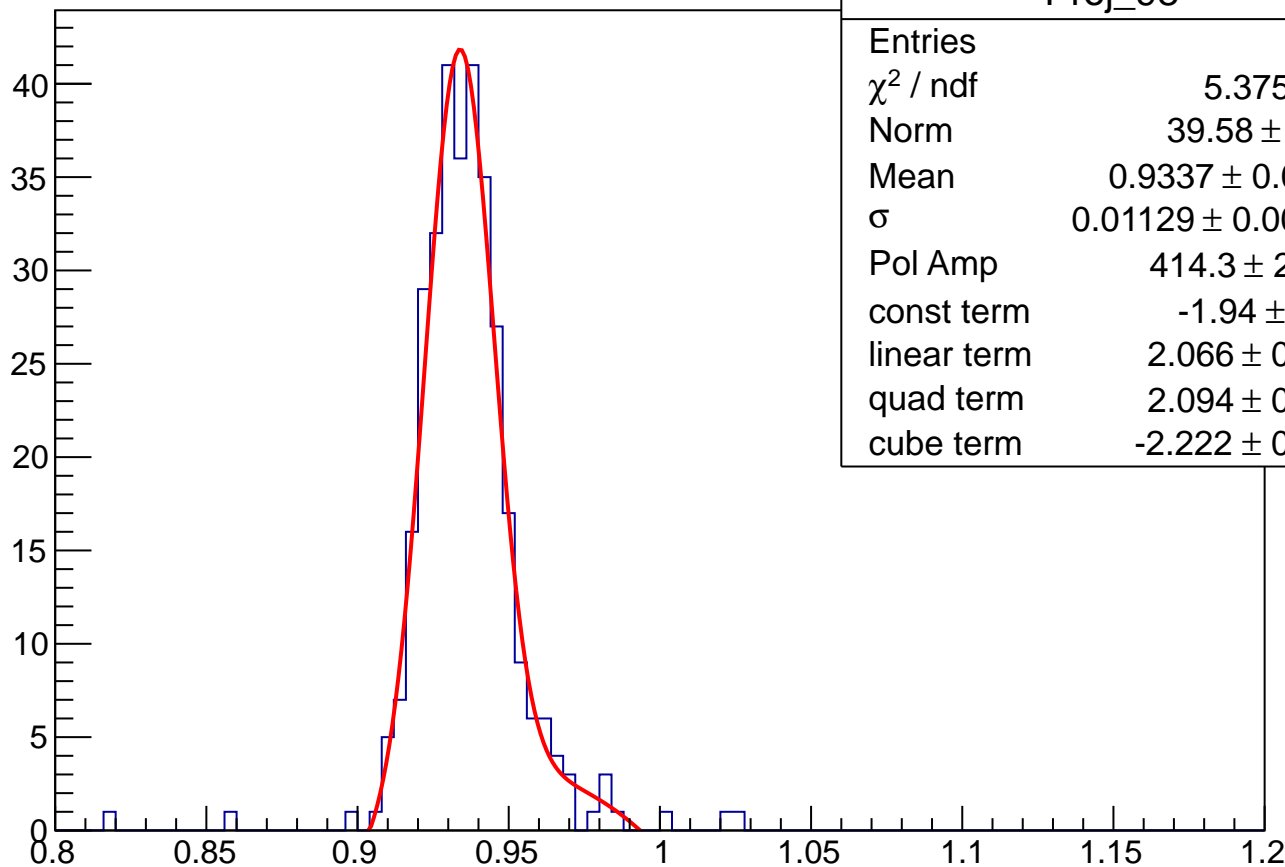
PhiThetaMassPip



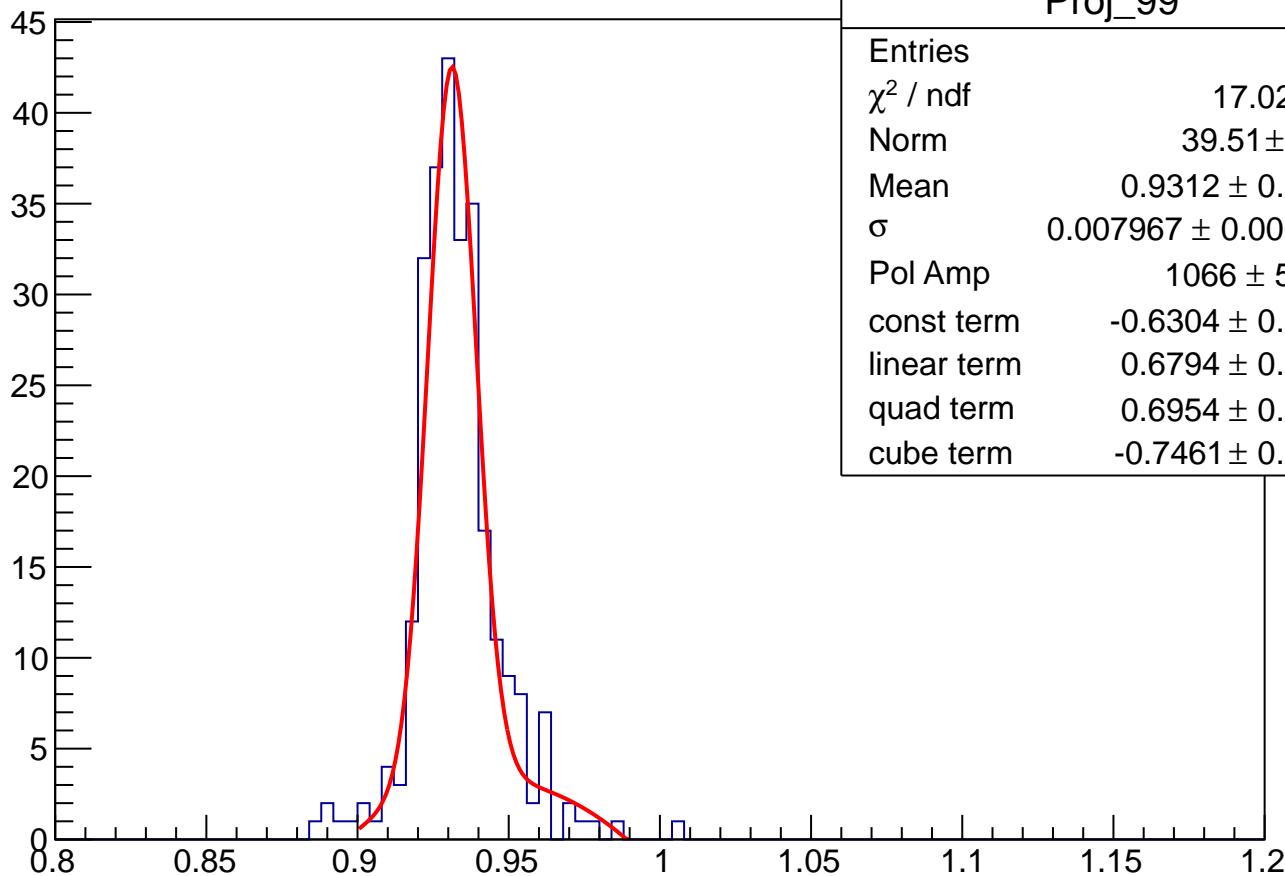
PhiThetaMassPip



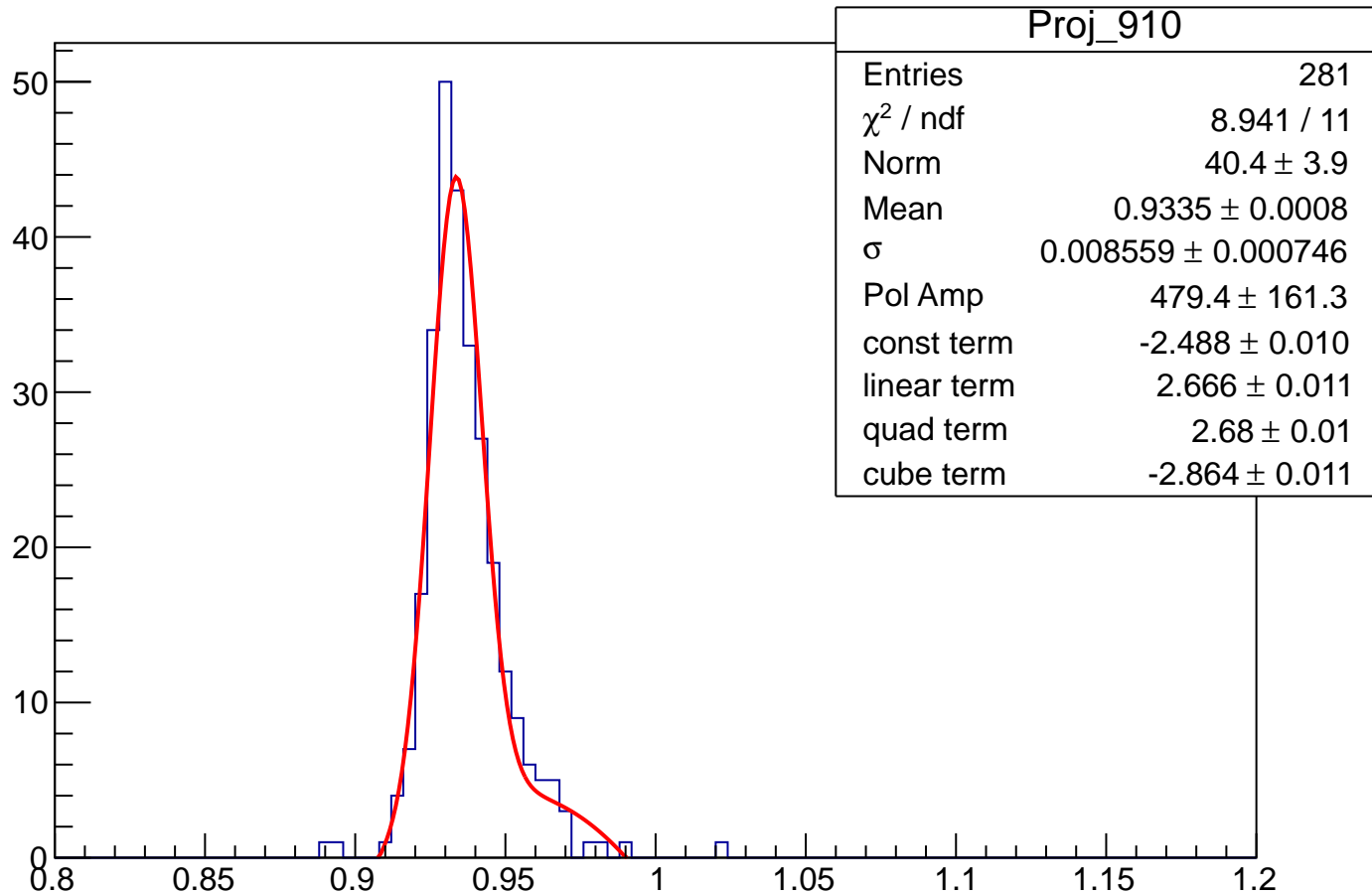
PhiThetaMassPip



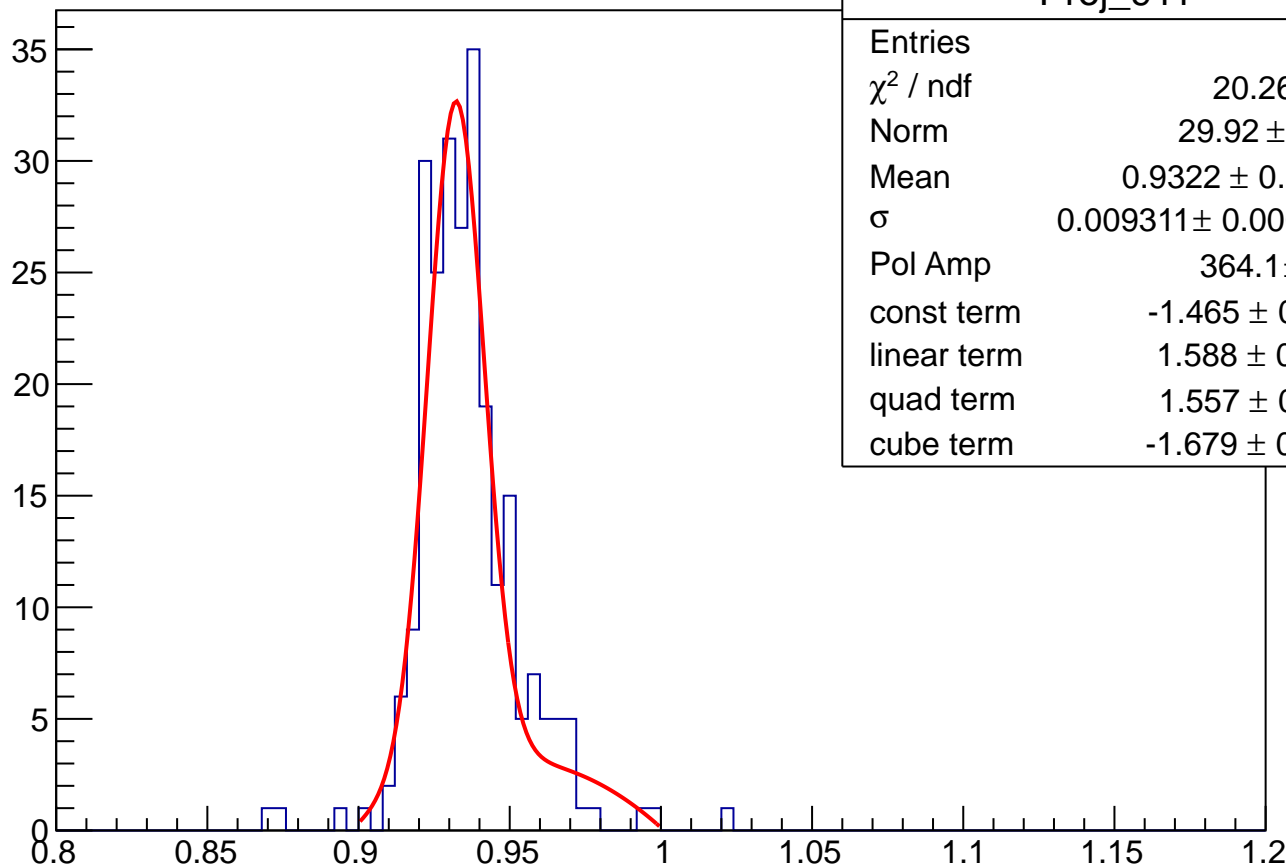
PhiThetaMassPip



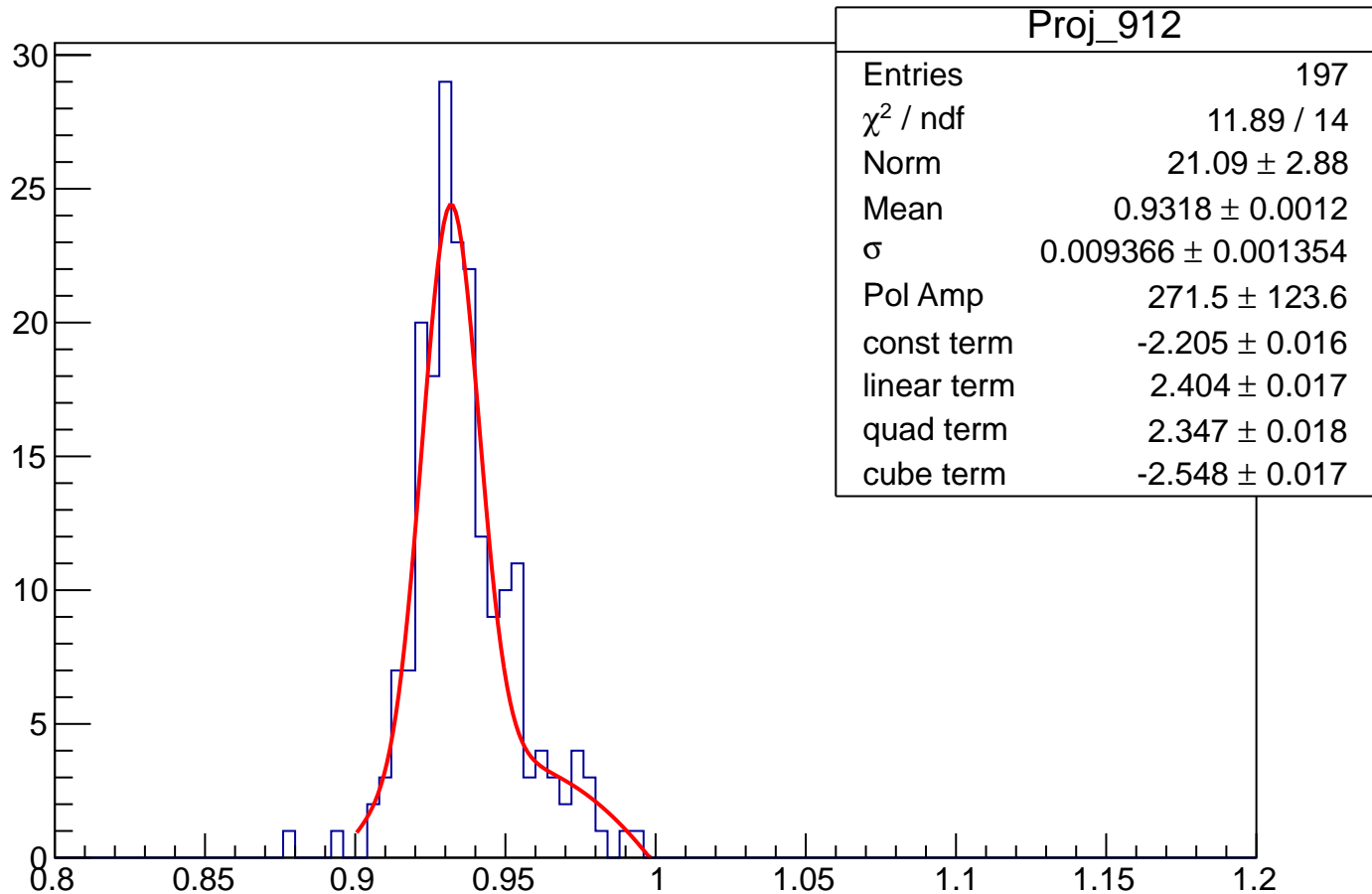
PhiThetaMassPip



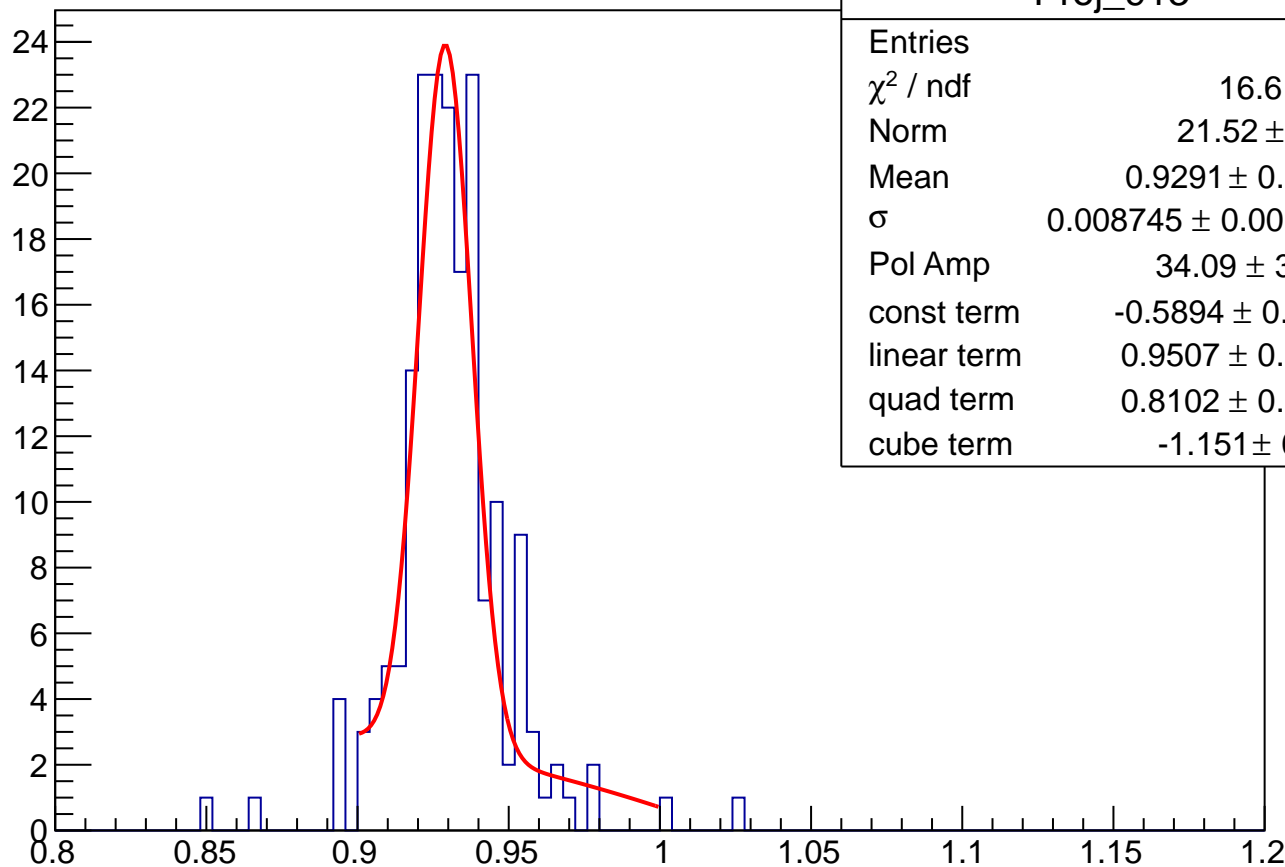
PhiThetaMassPip



PhiThetaMassPip



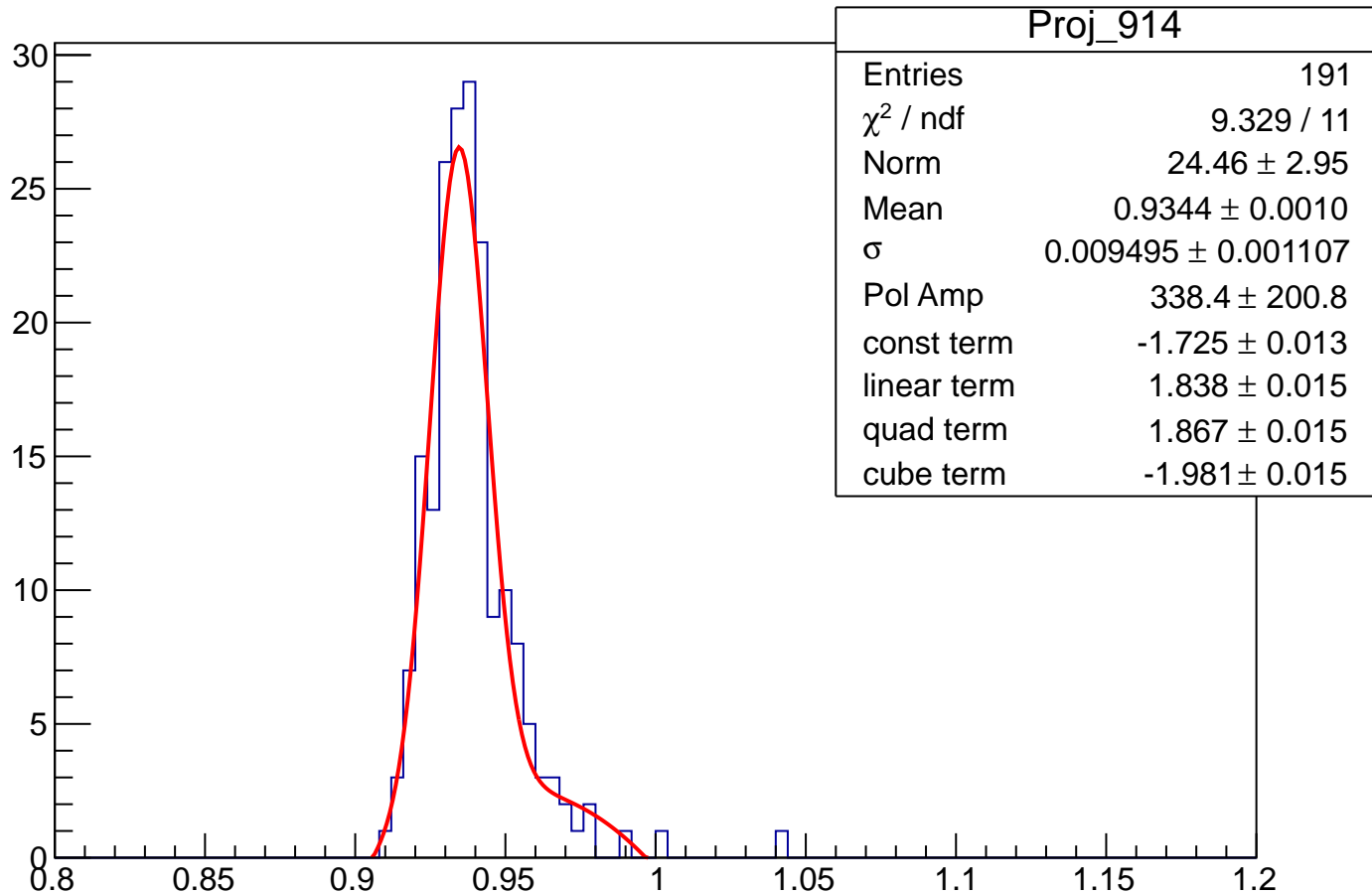
PhiThetaMassPip



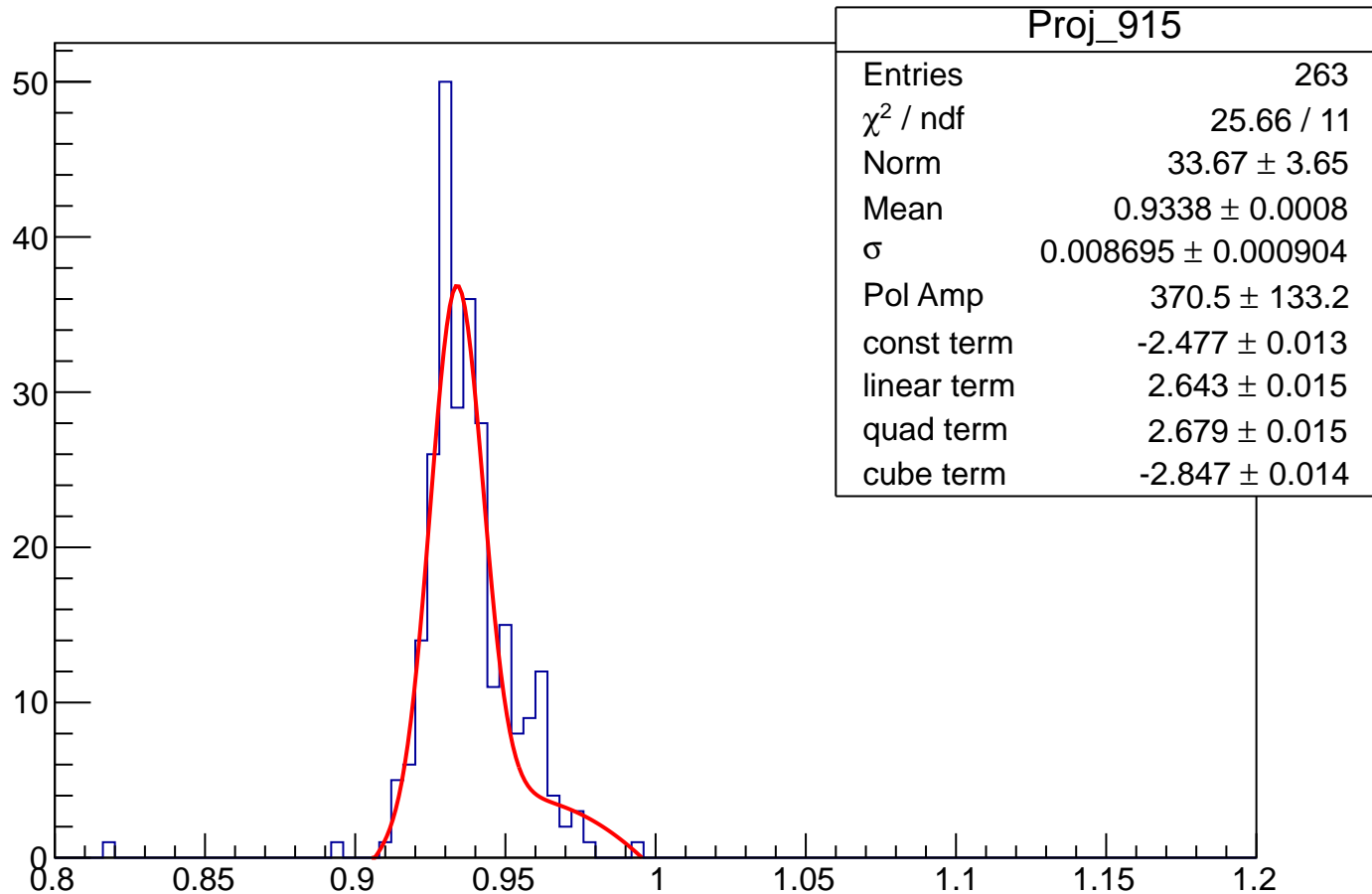
Proj_913

Entries	184
χ^2 / ndf	16.61 / 11
Norm	21.52 ± 2.73
Mean	0.9291 ± 0.0010
σ	0.008745 ± 0.001048
Pol Amp	34.09 ± 38.46
const term	-0.5894 ± 0.1501
linear term	0.9507 ± 0.1552
quad term	0.8102 ± 0.1589
cube term	-1.151 ± 0.161

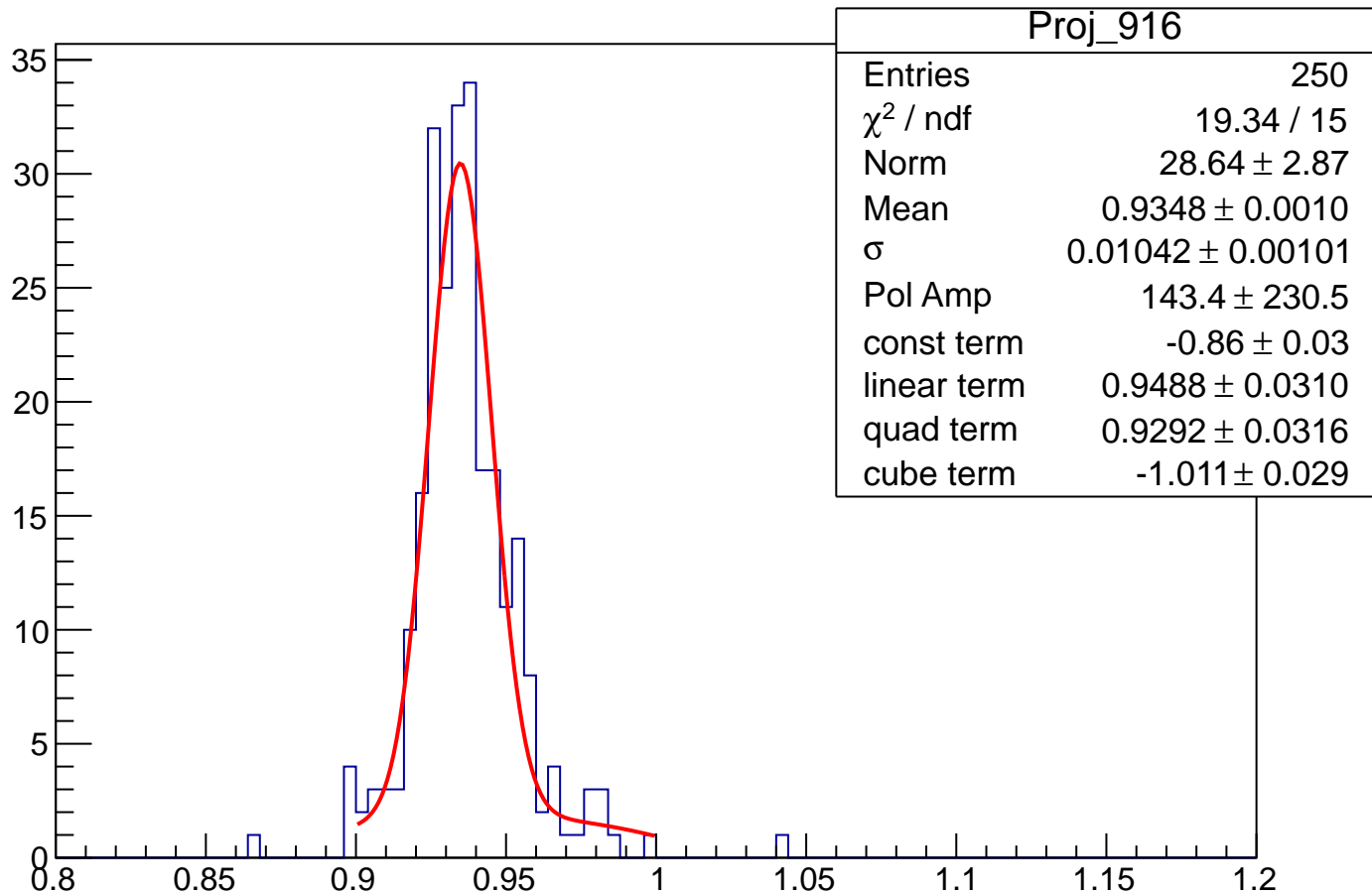
PhiThetaMassPip



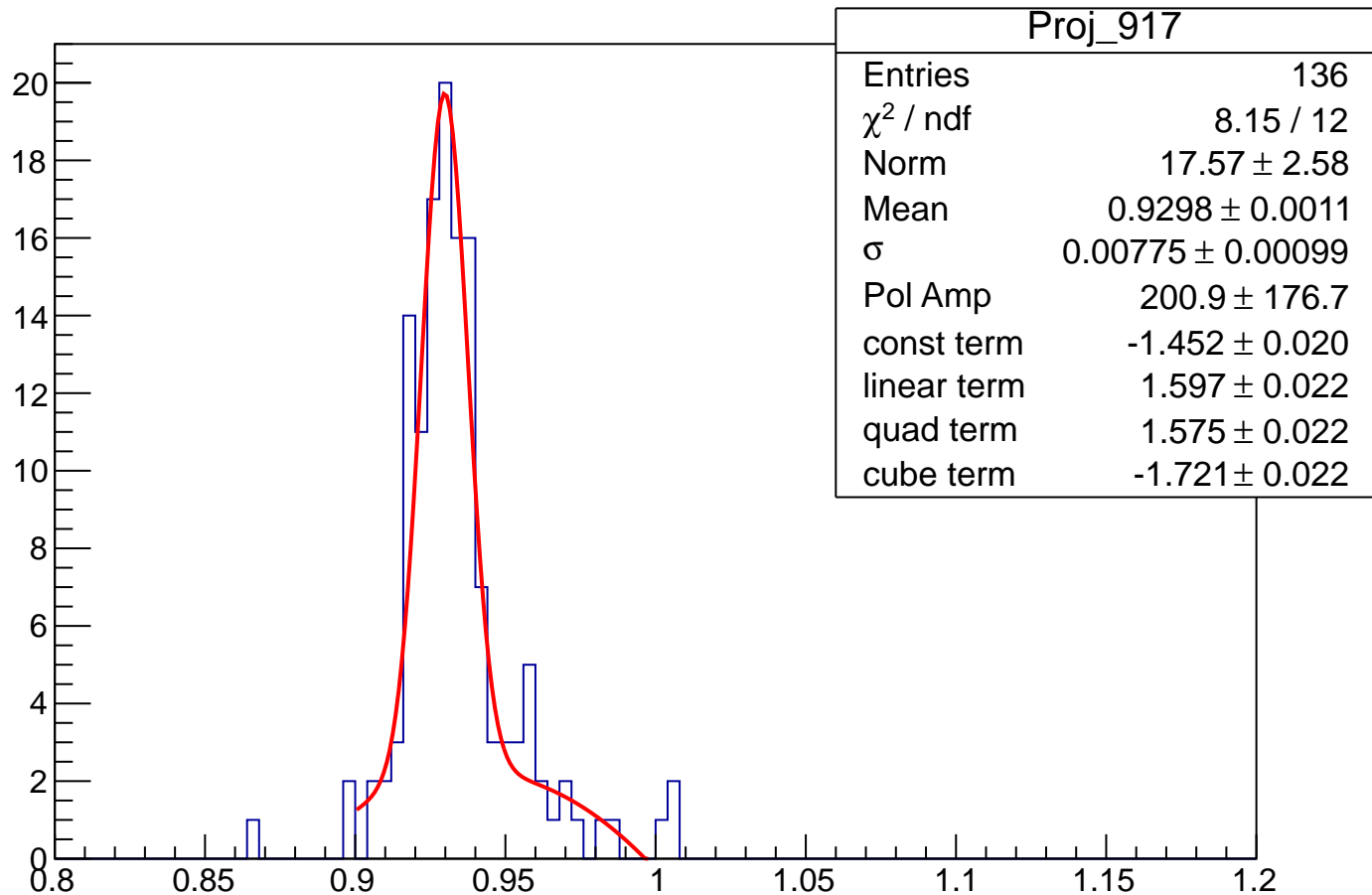
PhiThetaMassPip



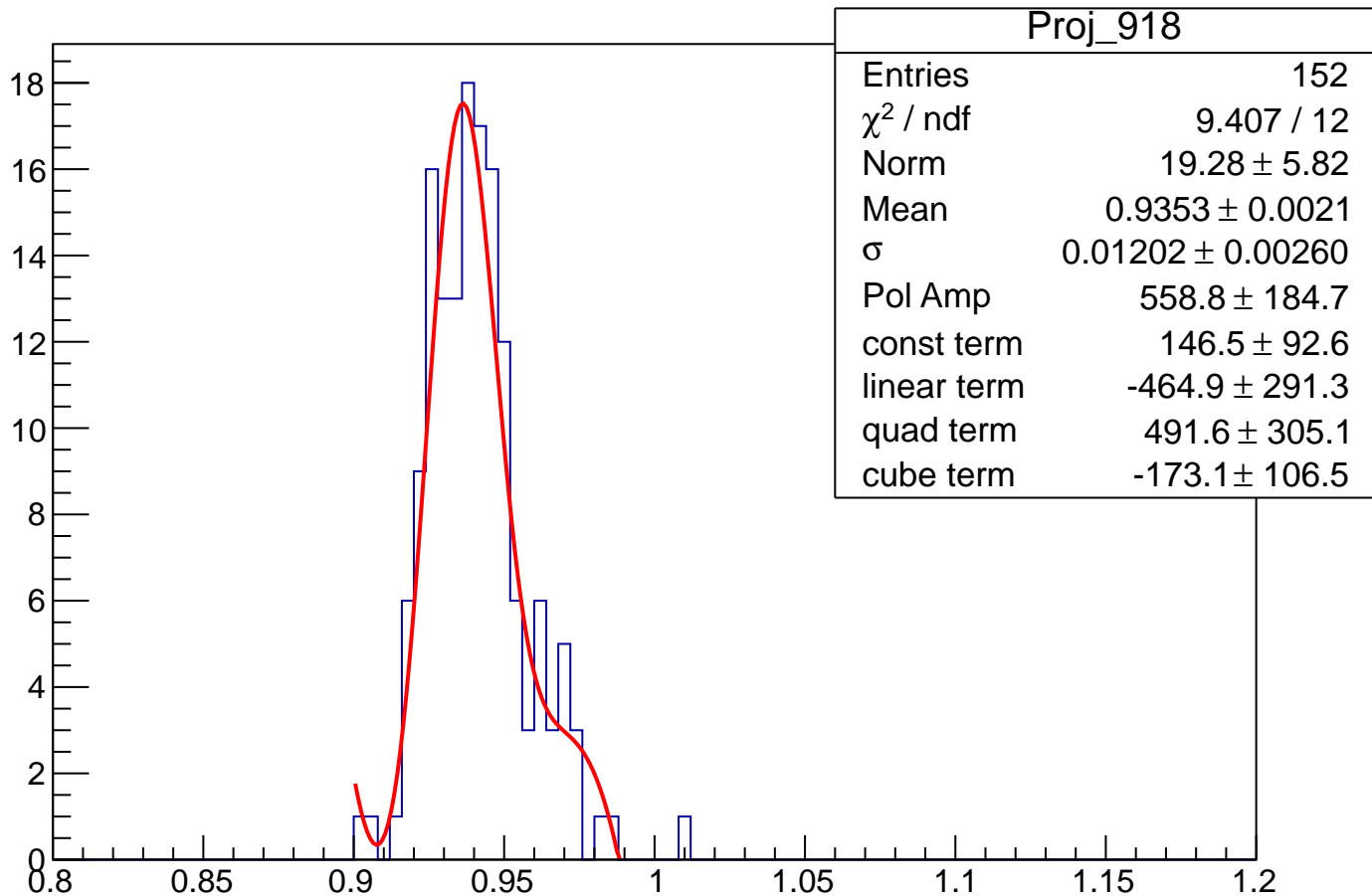
PhiThetaMassPip



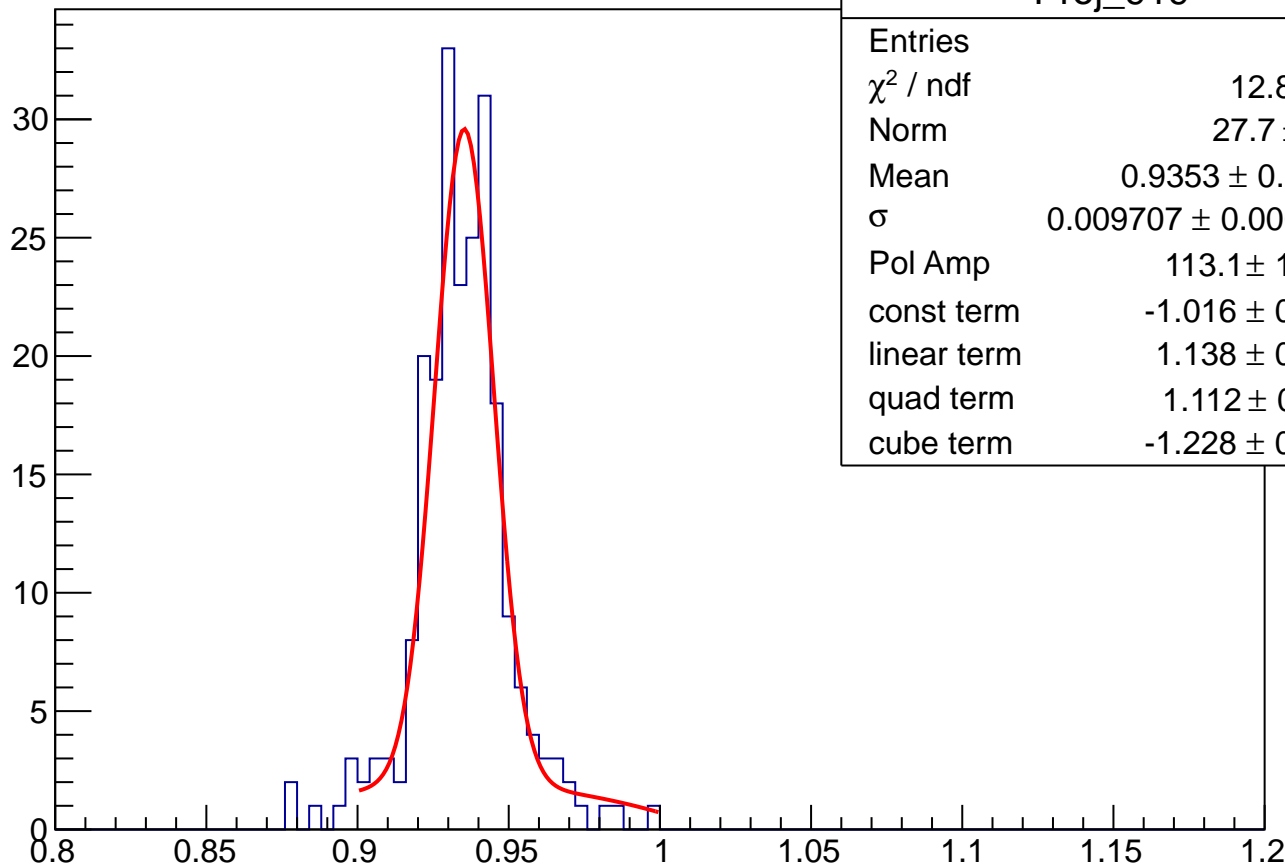
PhiThetaMassPip



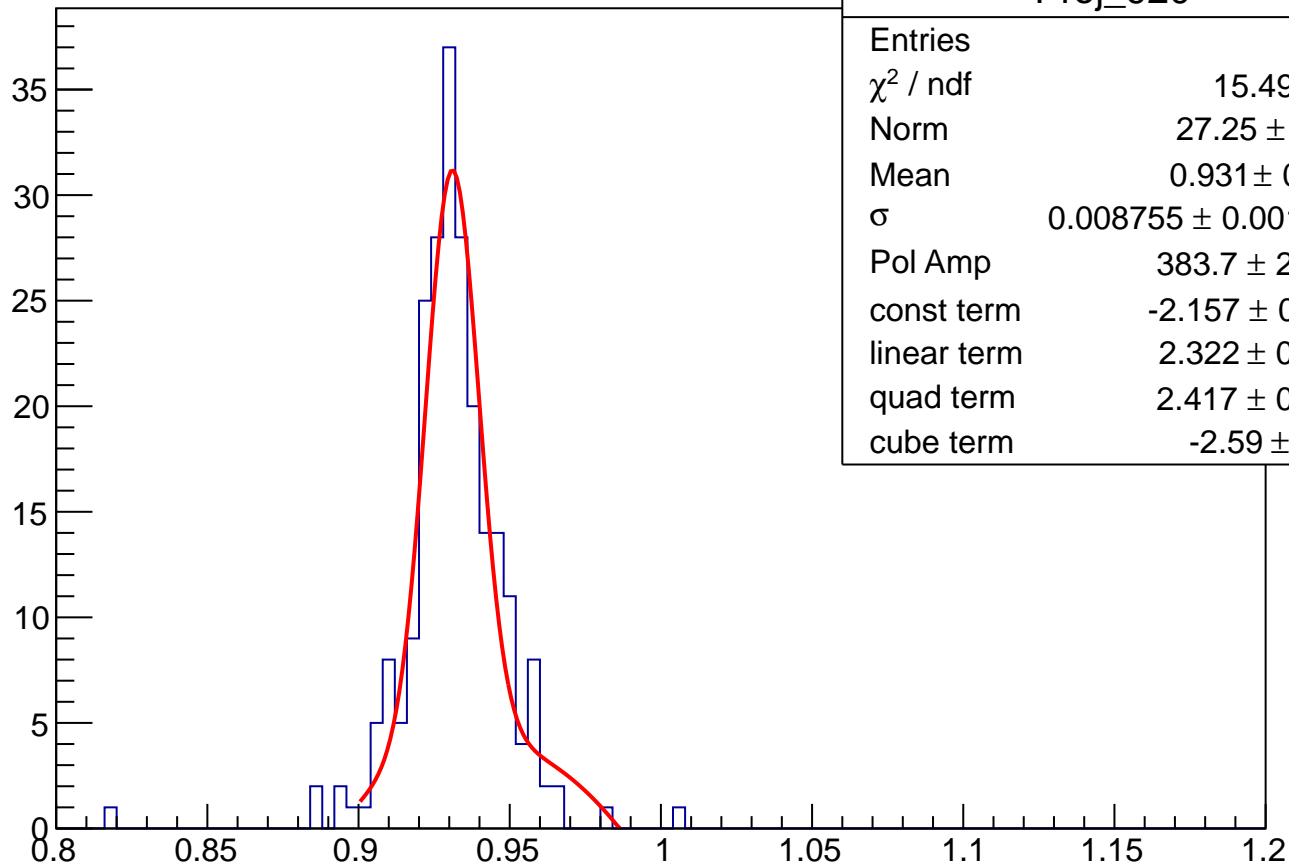
PhiThetaMassPip



PhiThetaMassPip



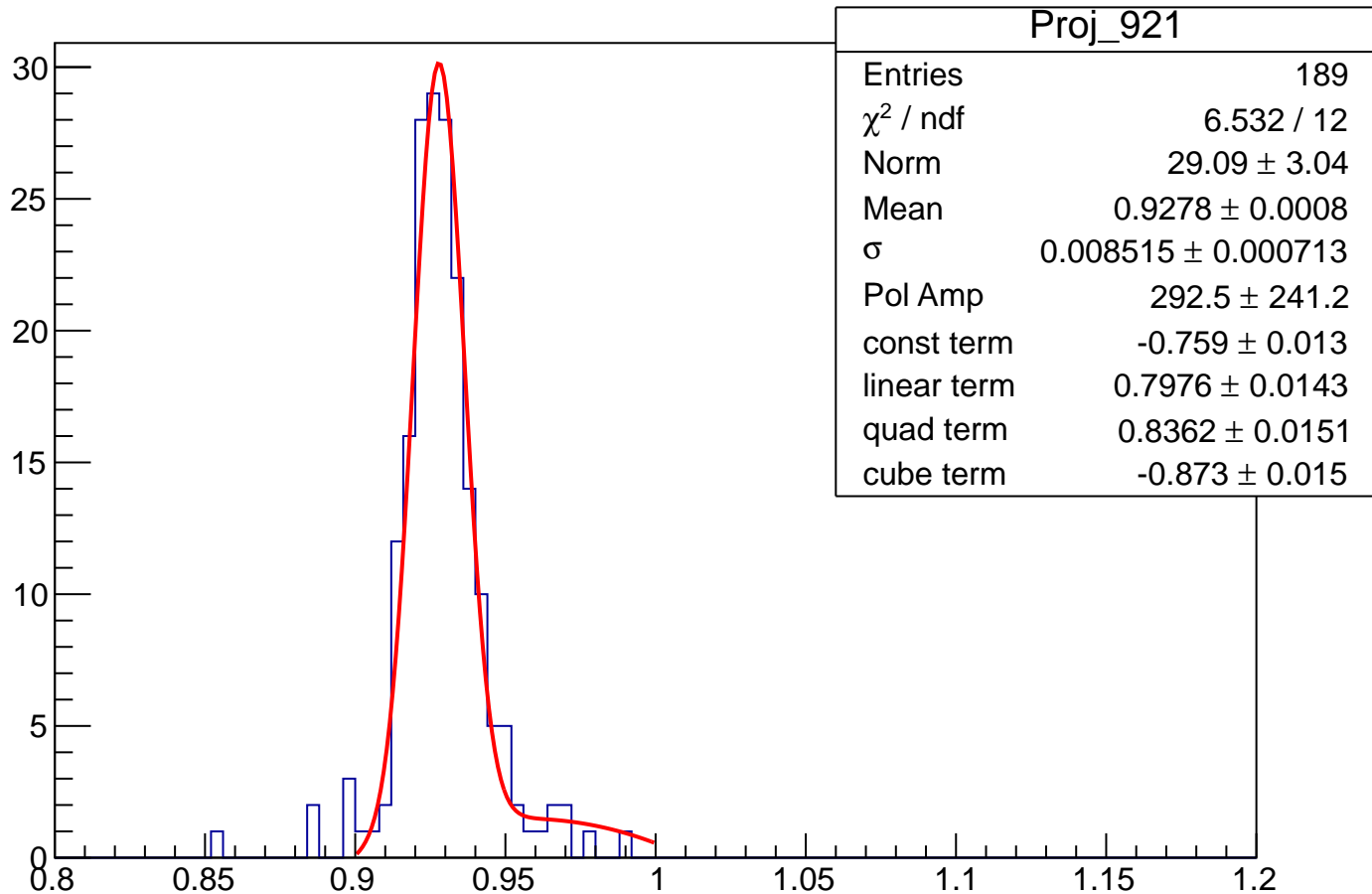
PhiThetaMassPip



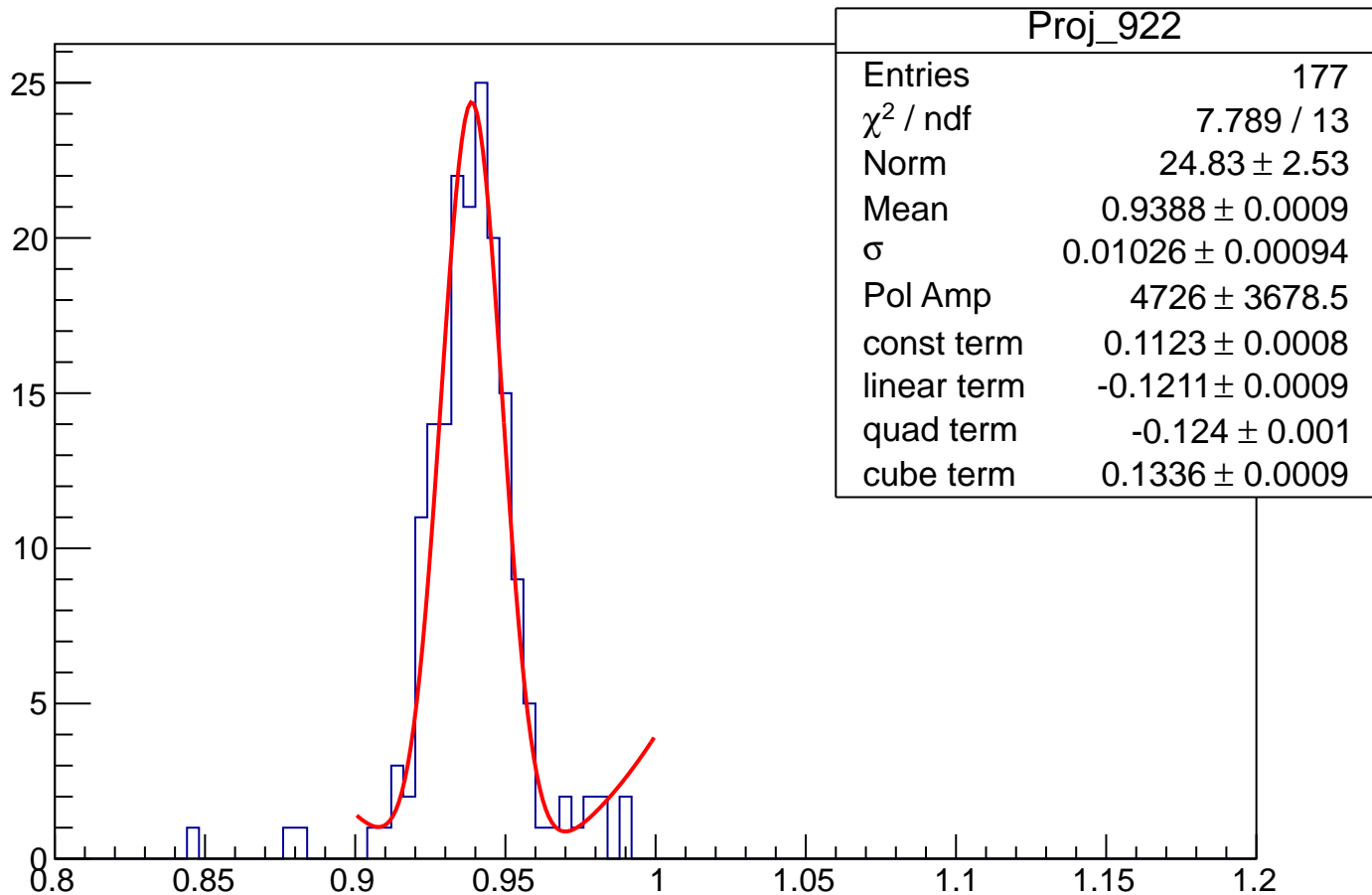
Proj_920

Entries	229
χ^2 / ndf	15.49 / 10
Norm	27.25 ± 3.48
Mean	0.931 ± 0.001
σ	0.008755 ± 0.001379
Pol Amp	383.7 ± 221.6
const term	-2.157 ± 0.012
linear term	2.322 ± 0.015
quad term	2.417 ± 0.016
cube term	-2.59 ± 0.01

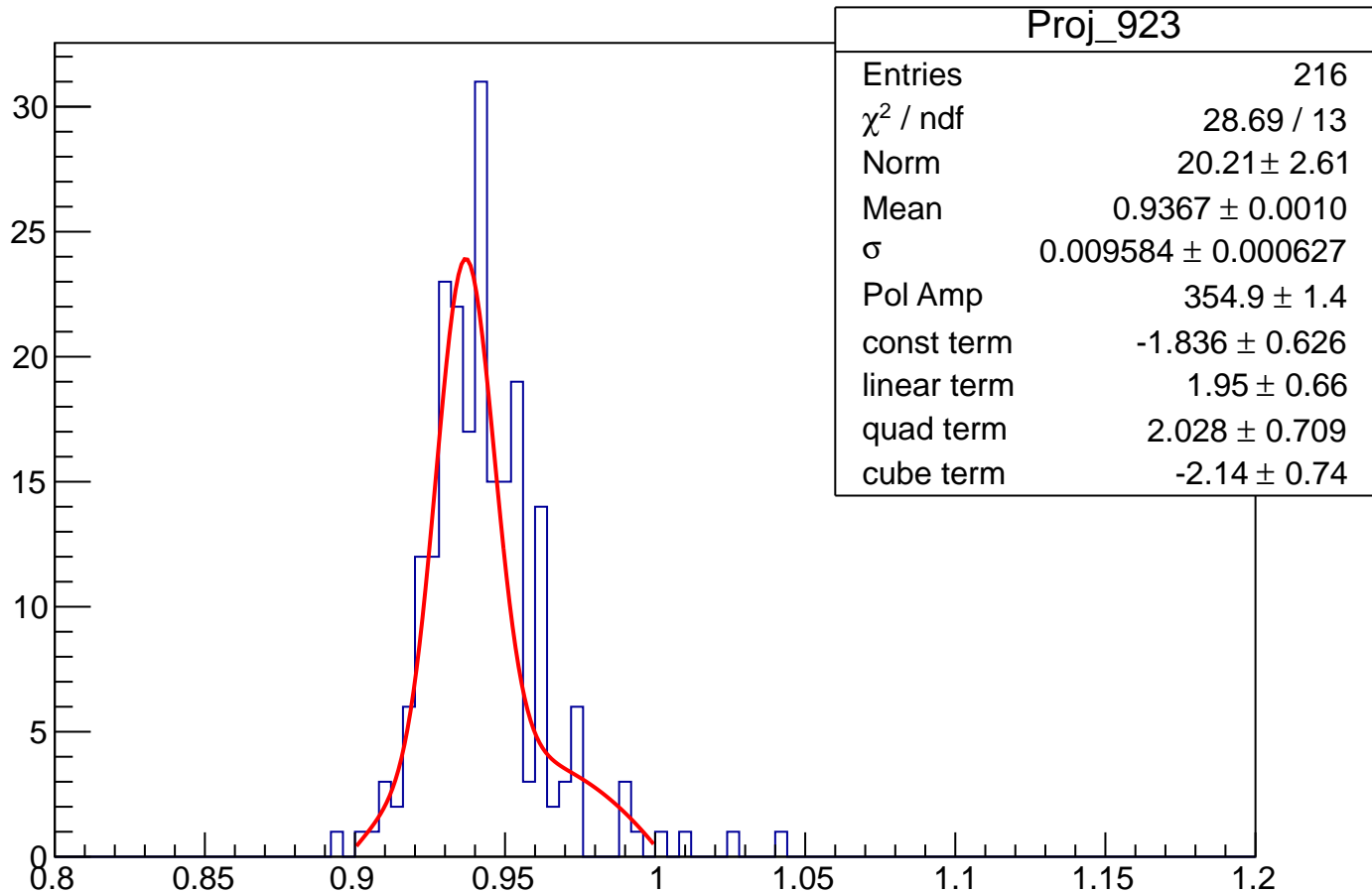
PhiThetaMassPip



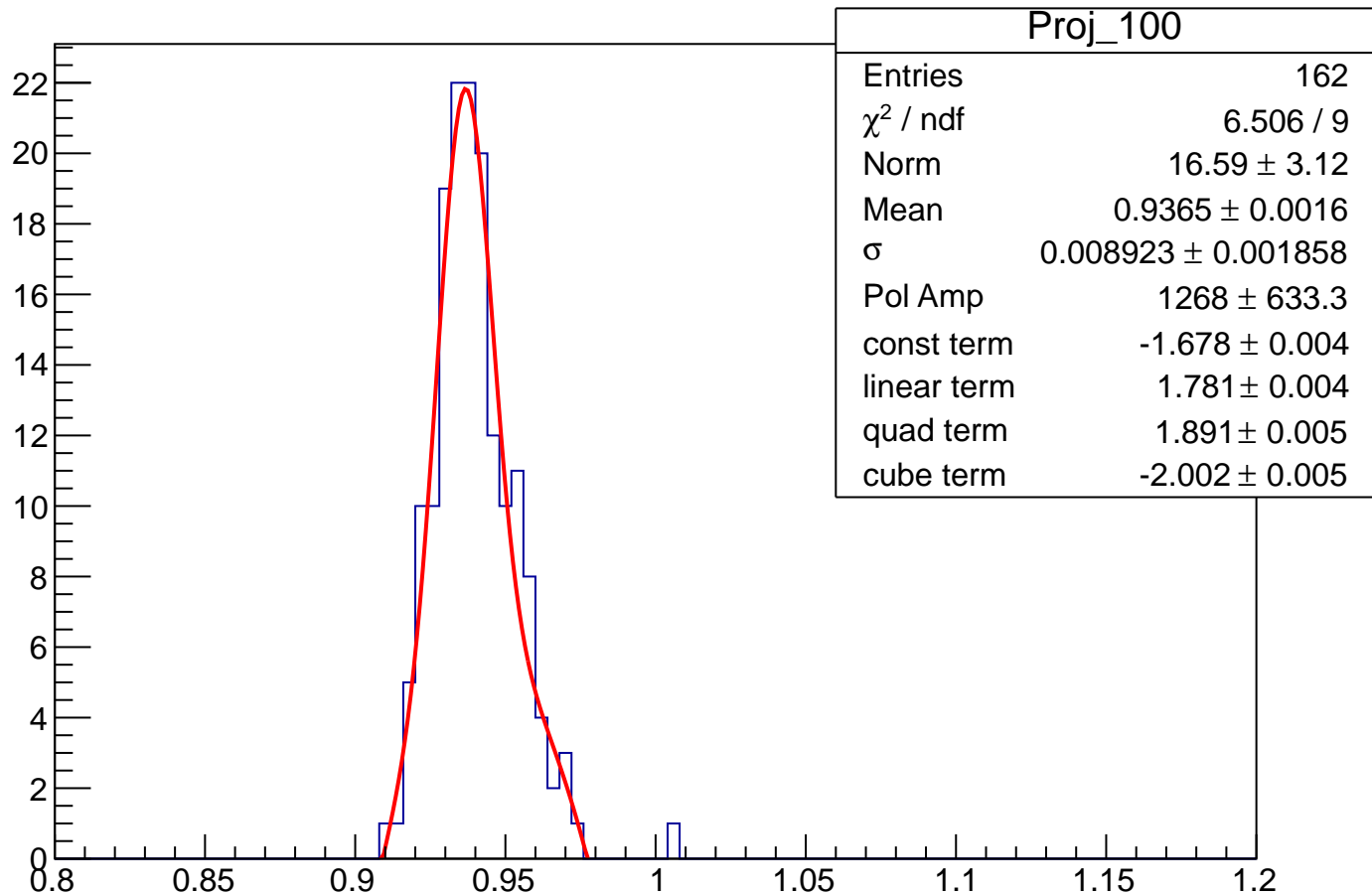
PhiThetaMassPip



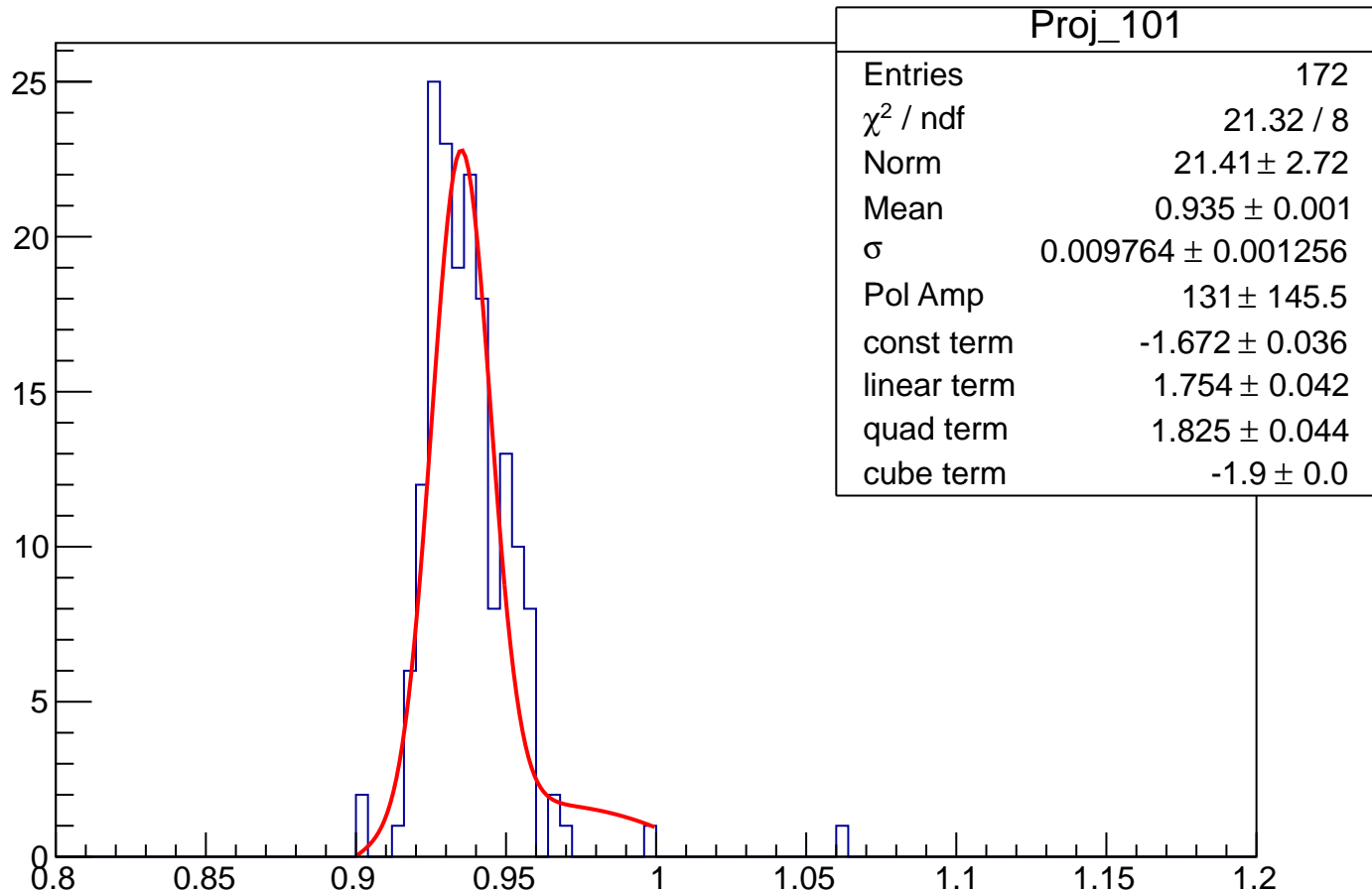
PhiThetaMassPip



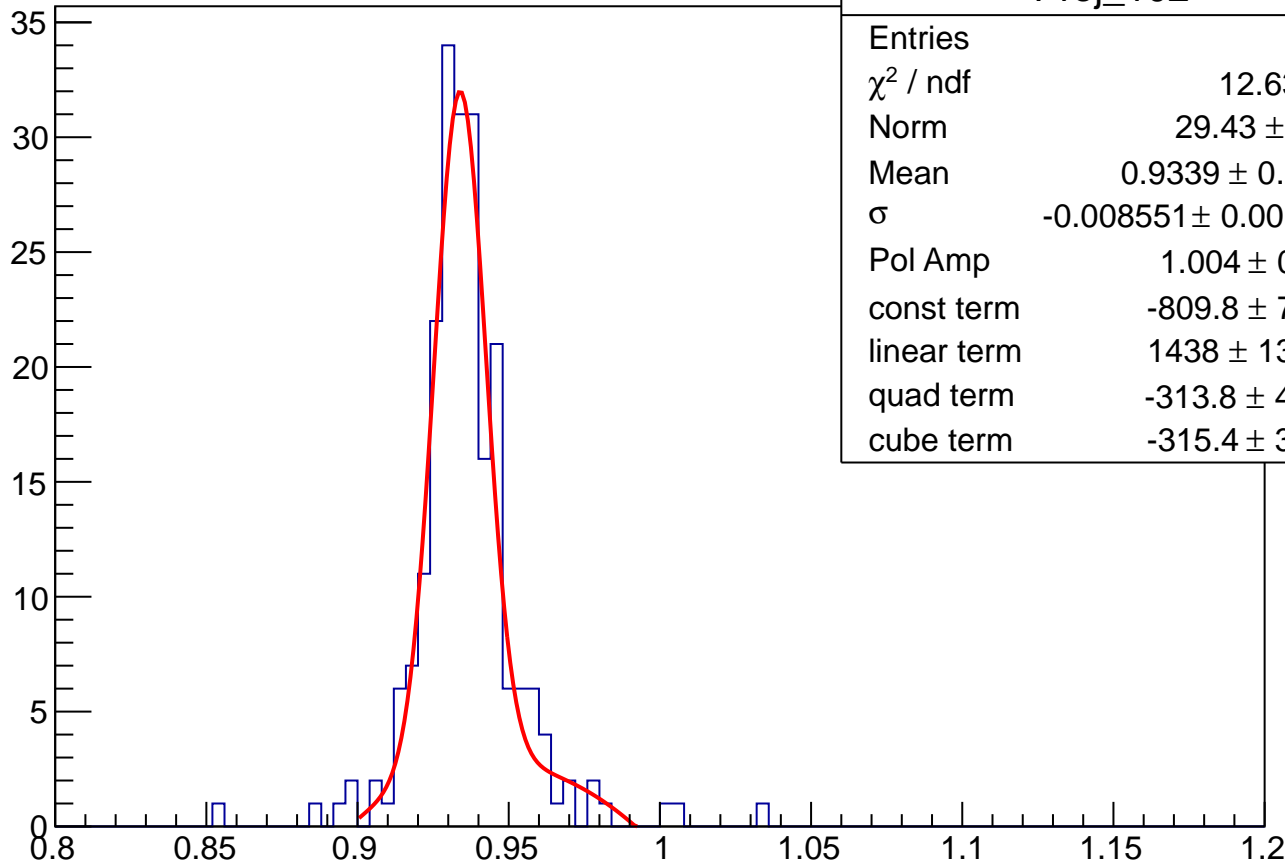
PhiThetaMassPip



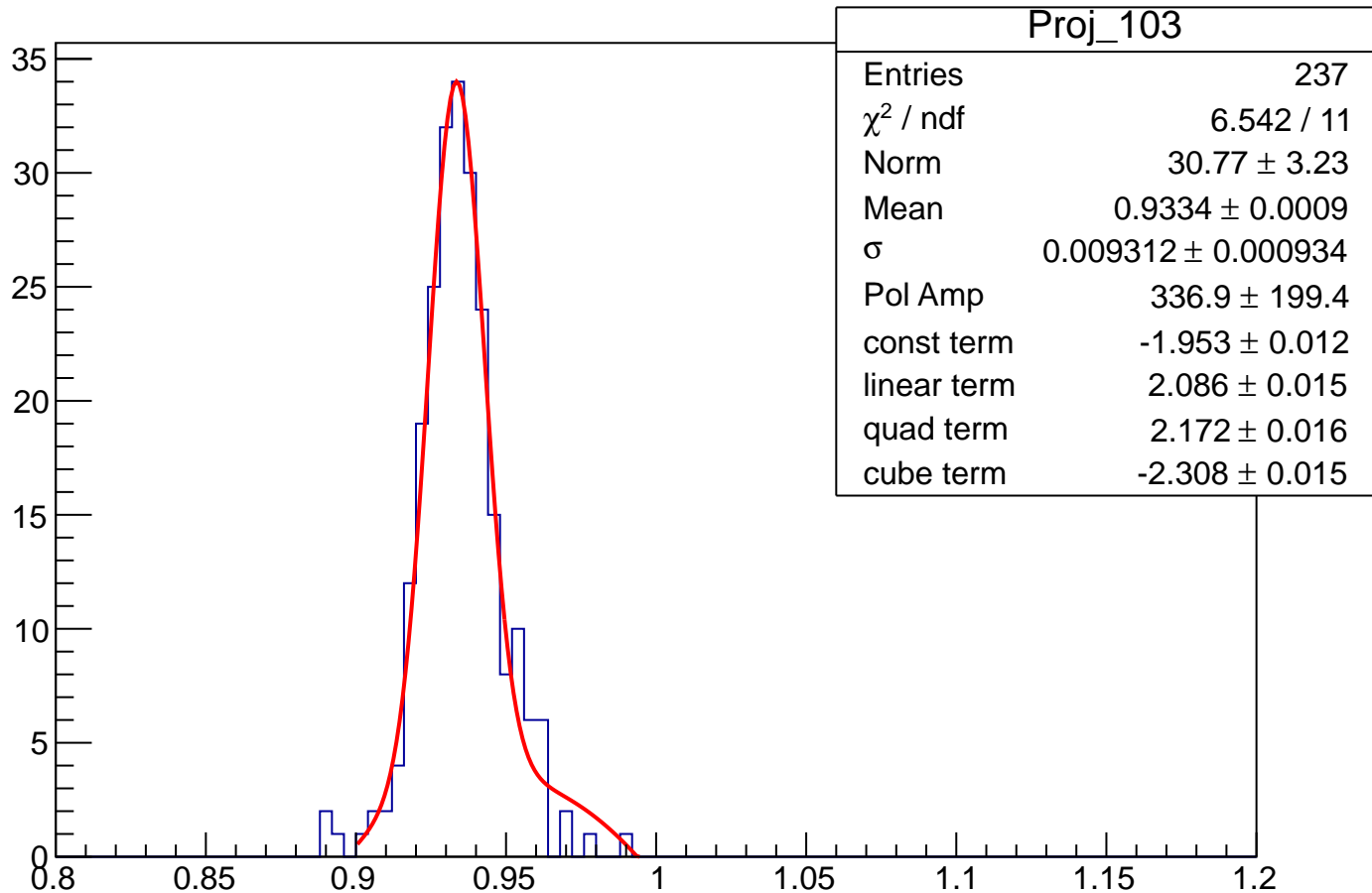
PhiThetaMassPip



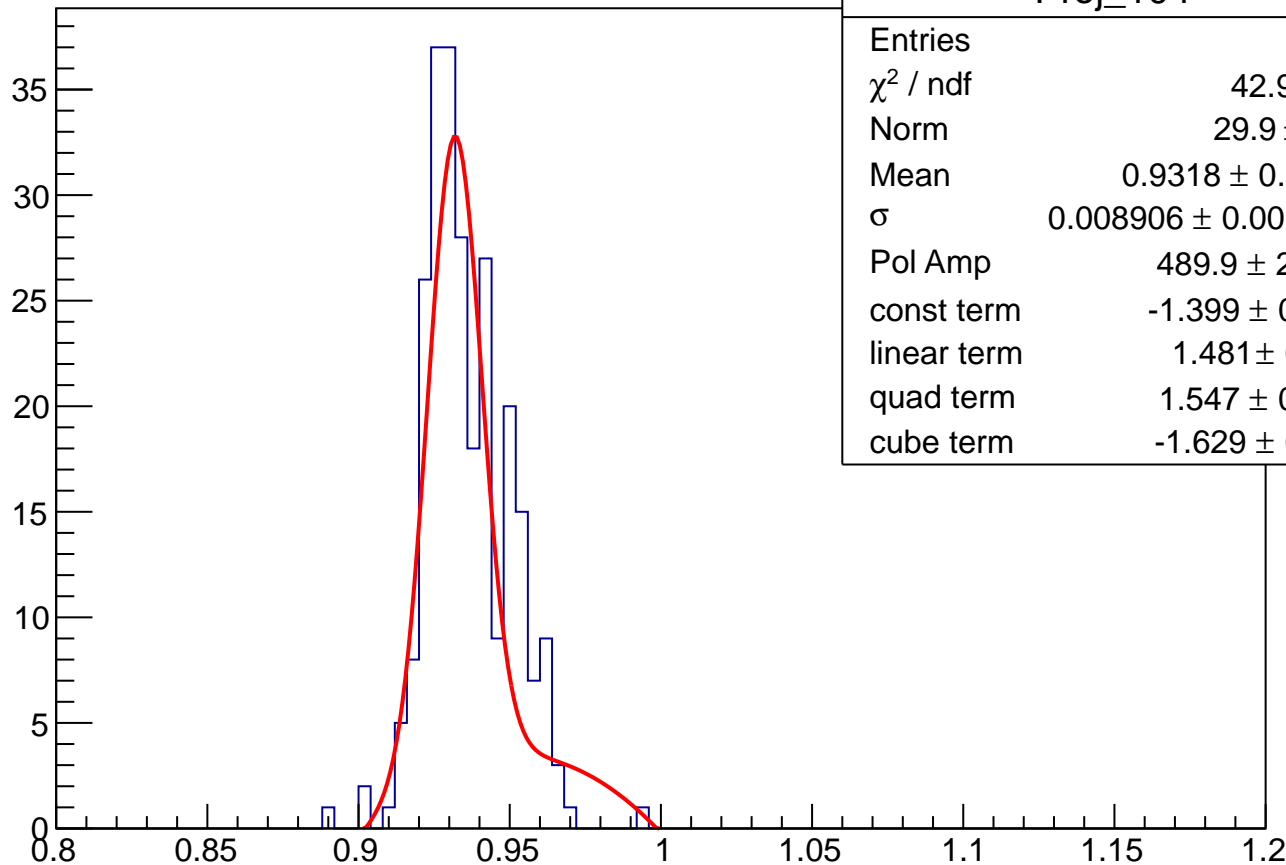
PhiThetaMassPip



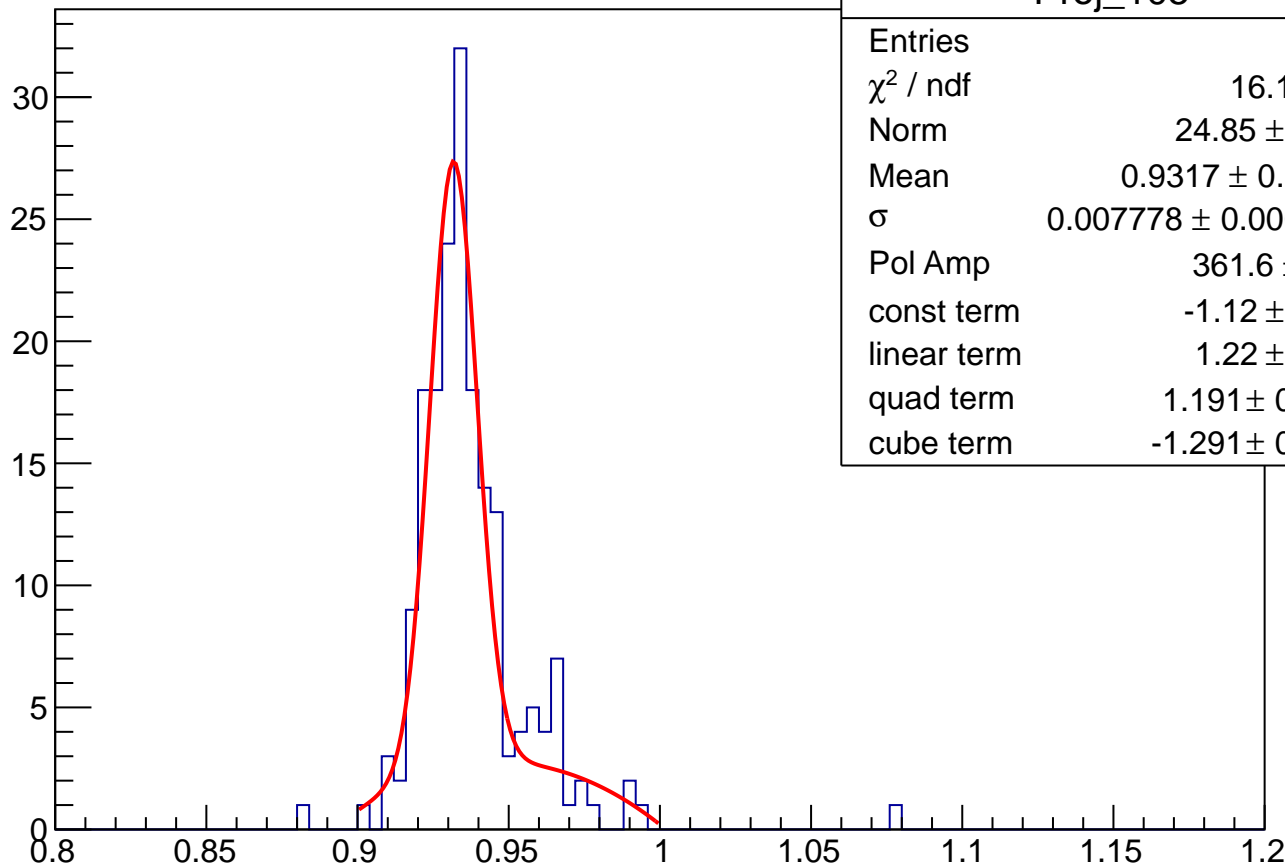
PhiThetaMassPip



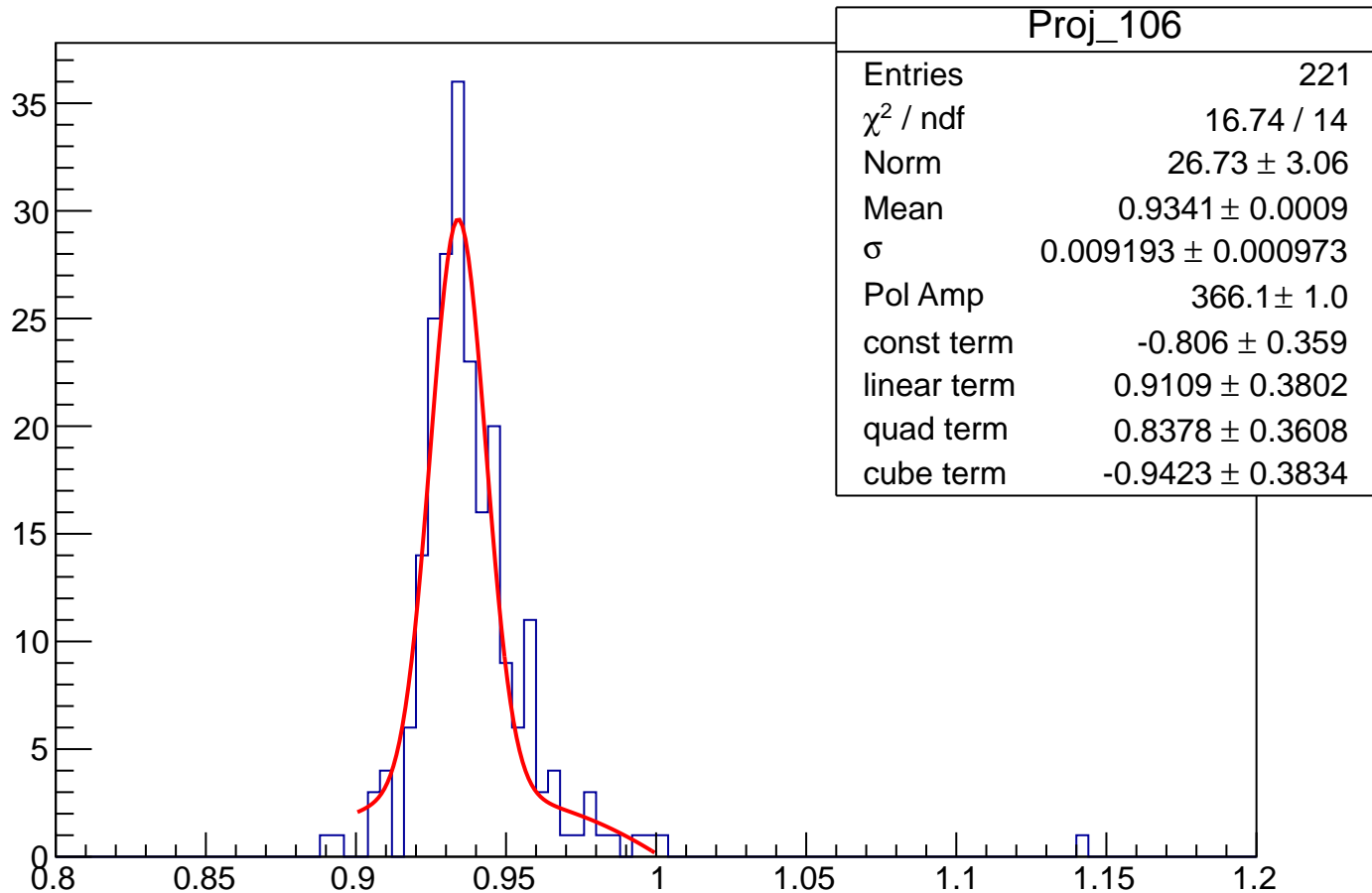
PhiThetaMassPip



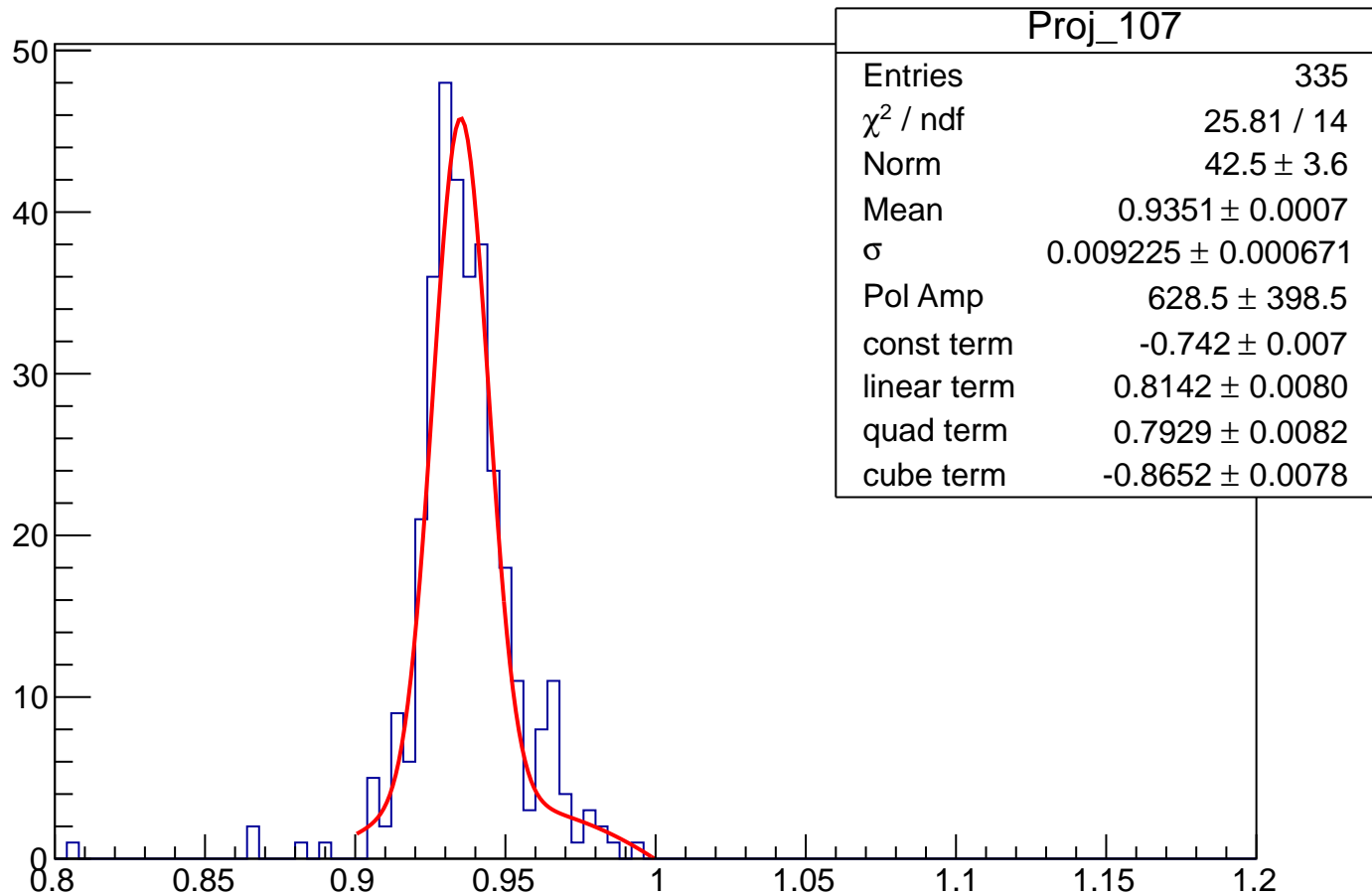
PhiThetaMassPip



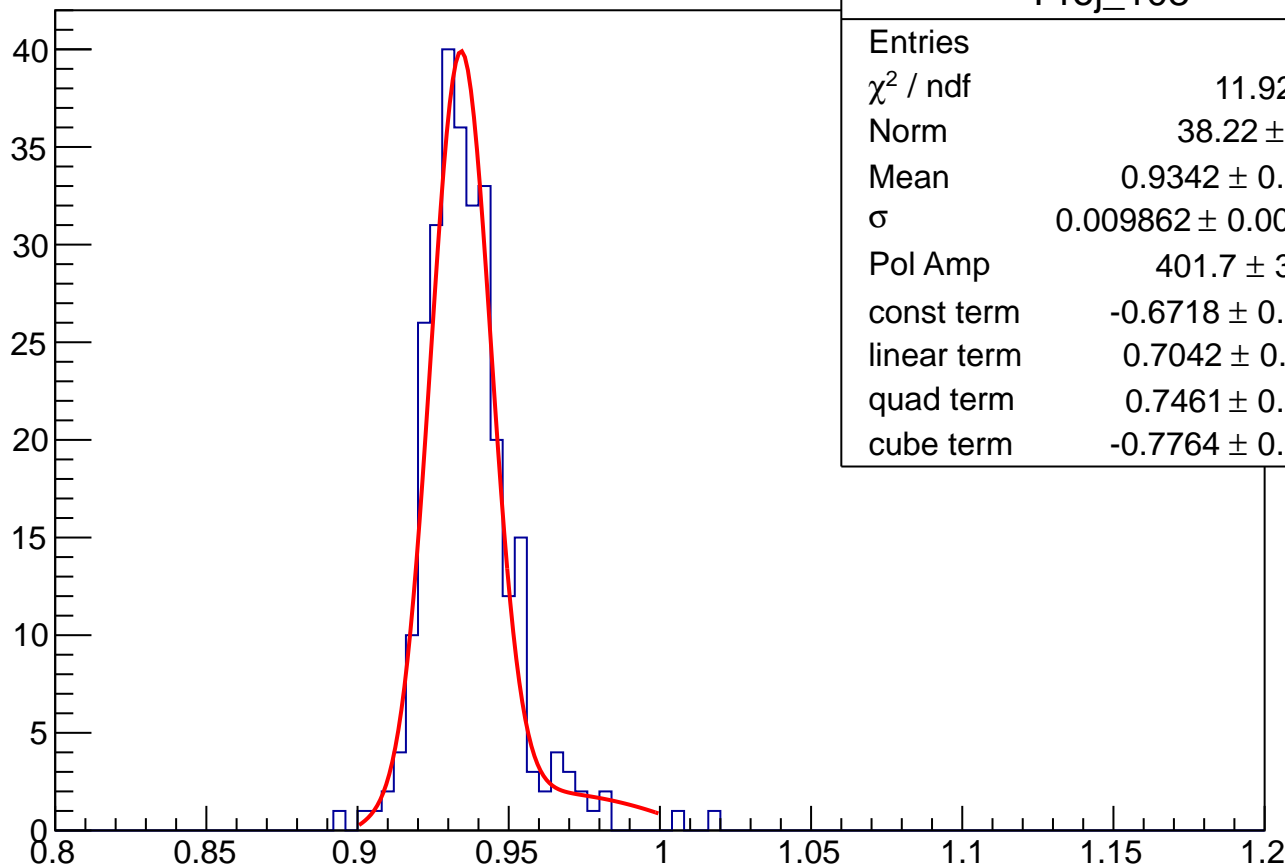
PhiThetaMassPip



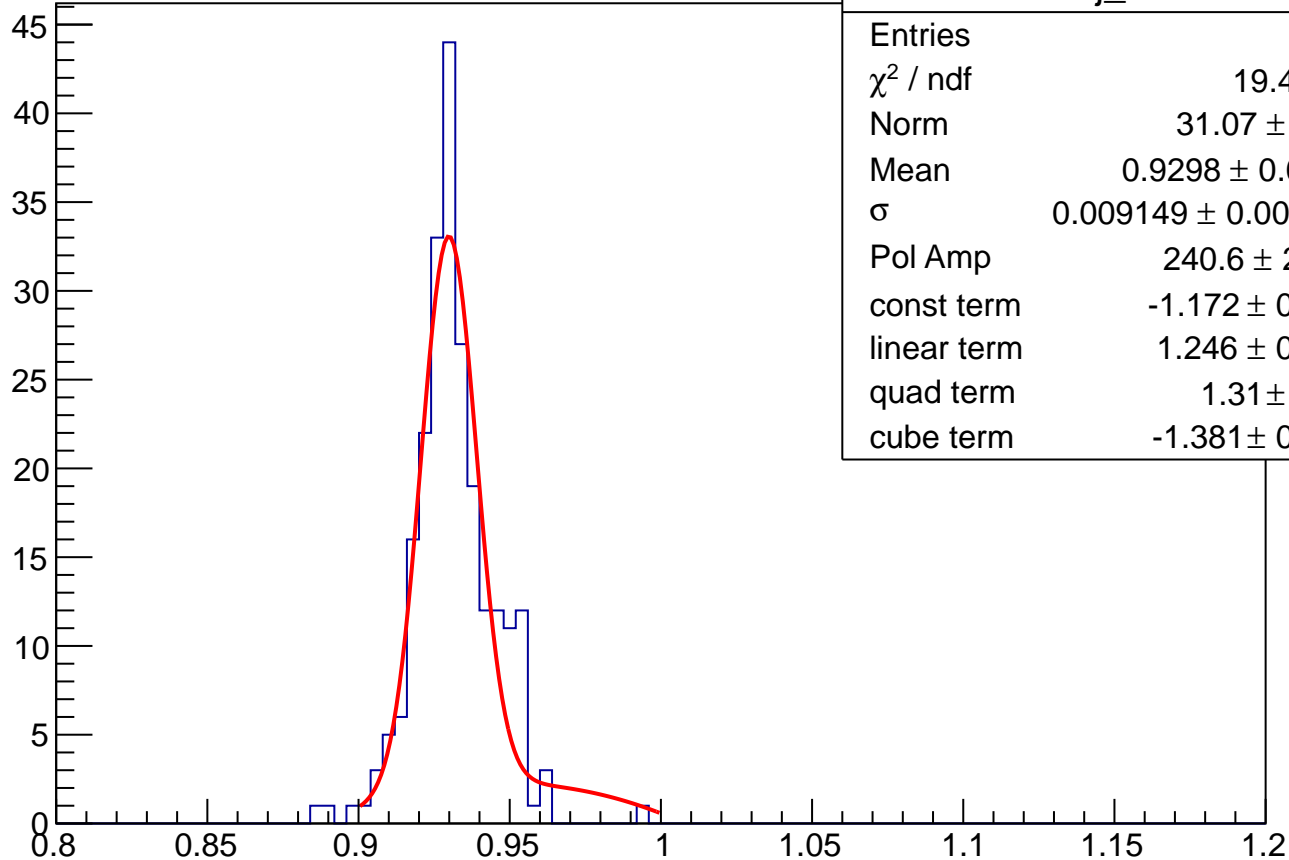
PhiThetaMassPip



PhiThetaMassPip



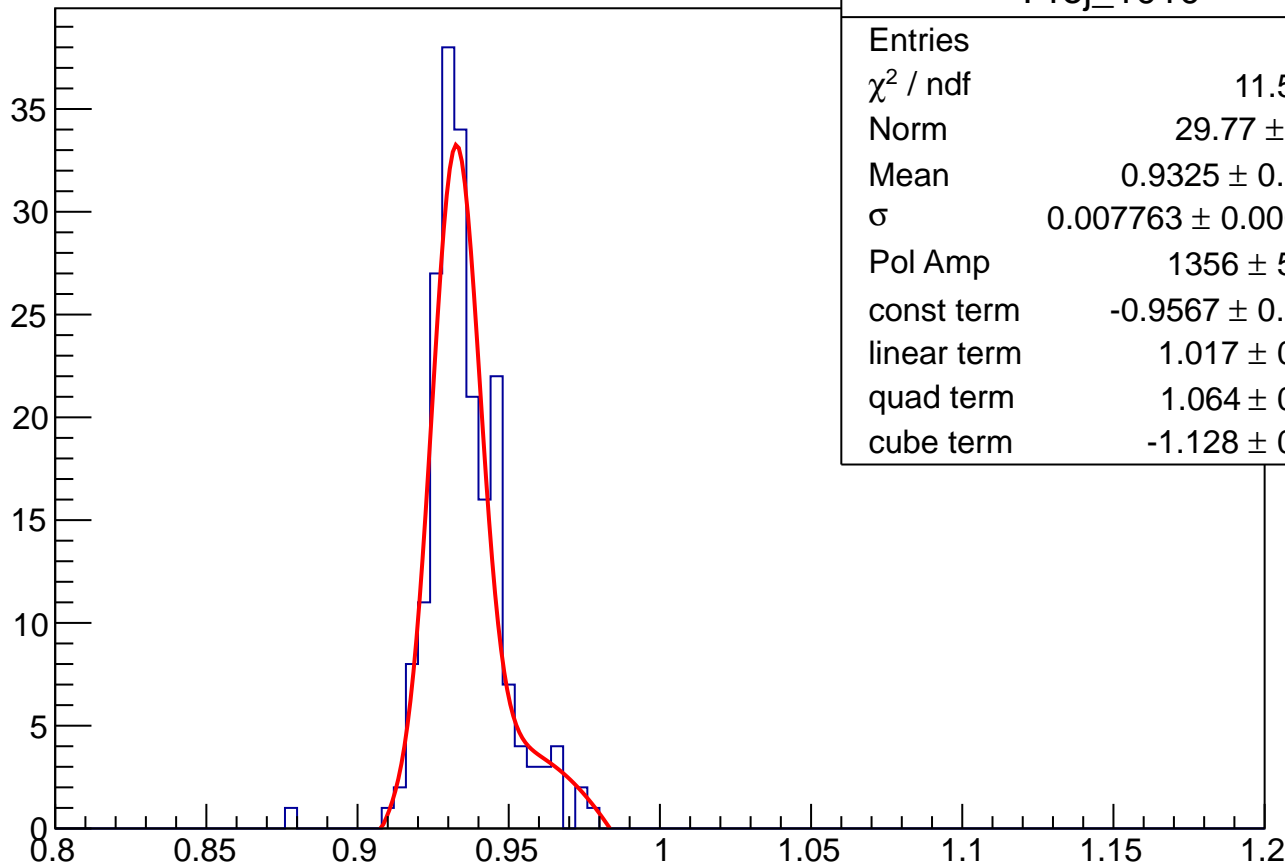
PhiThetaMassPip



Proj_109

Entries	231
χ^2 / ndf	19.42 / 9
Norm	31.07 ± 3.45
Mean	0.9298 ± 0.0009
σ	0.009149 ± 0.001108
Pol Amp	240.6 ± 219.1
const term	-1.172 ± 0.019
linear term	1.246 ± 0.023
quad term	1.31 ± 0.02
cube term	-1.381 ± 0.023

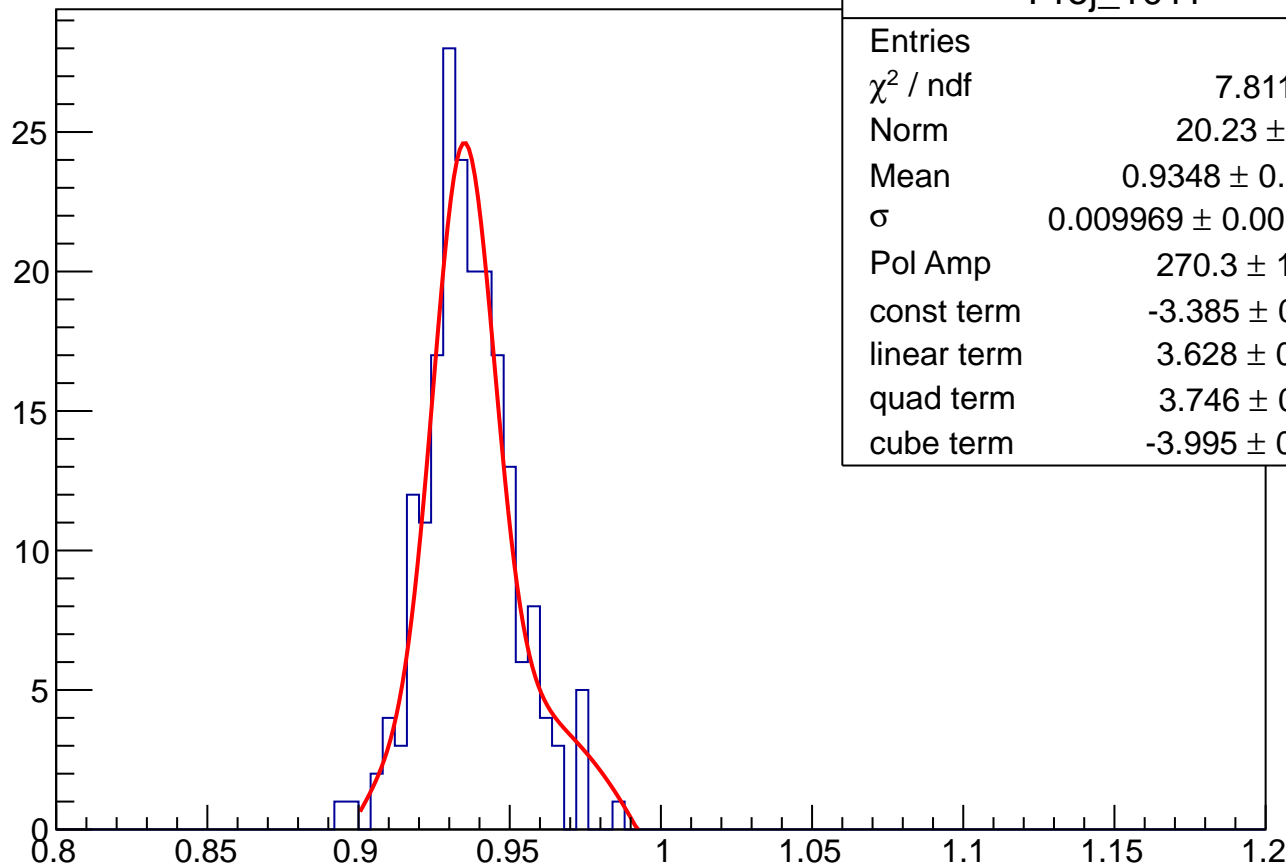
PhiThetaMassPip



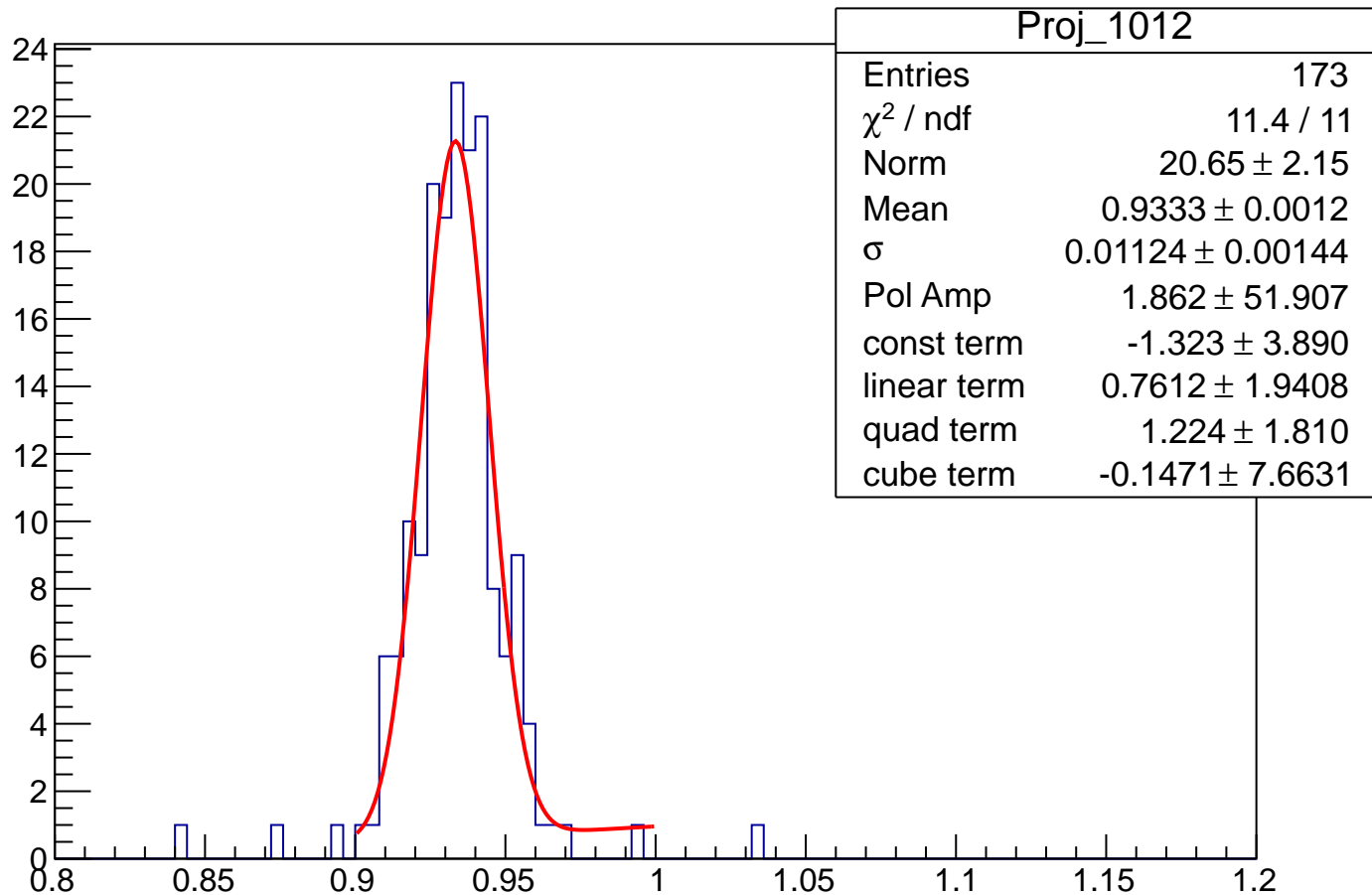
Proj_1010

Entries	205
χ^2 / ndf	11.59 / 9
Norm	29.77 ± 3.57
Mean	0.9325 ± 0.0009
σ	0.007763 ± 0.000915
Pol Amp	1356 ± 579.4
const term	-0.9567 ± 0.0037
linear term	1.017 ± 0.004
quad term	1.064 ± 0.004
cube term	-1.128 ± 0.004

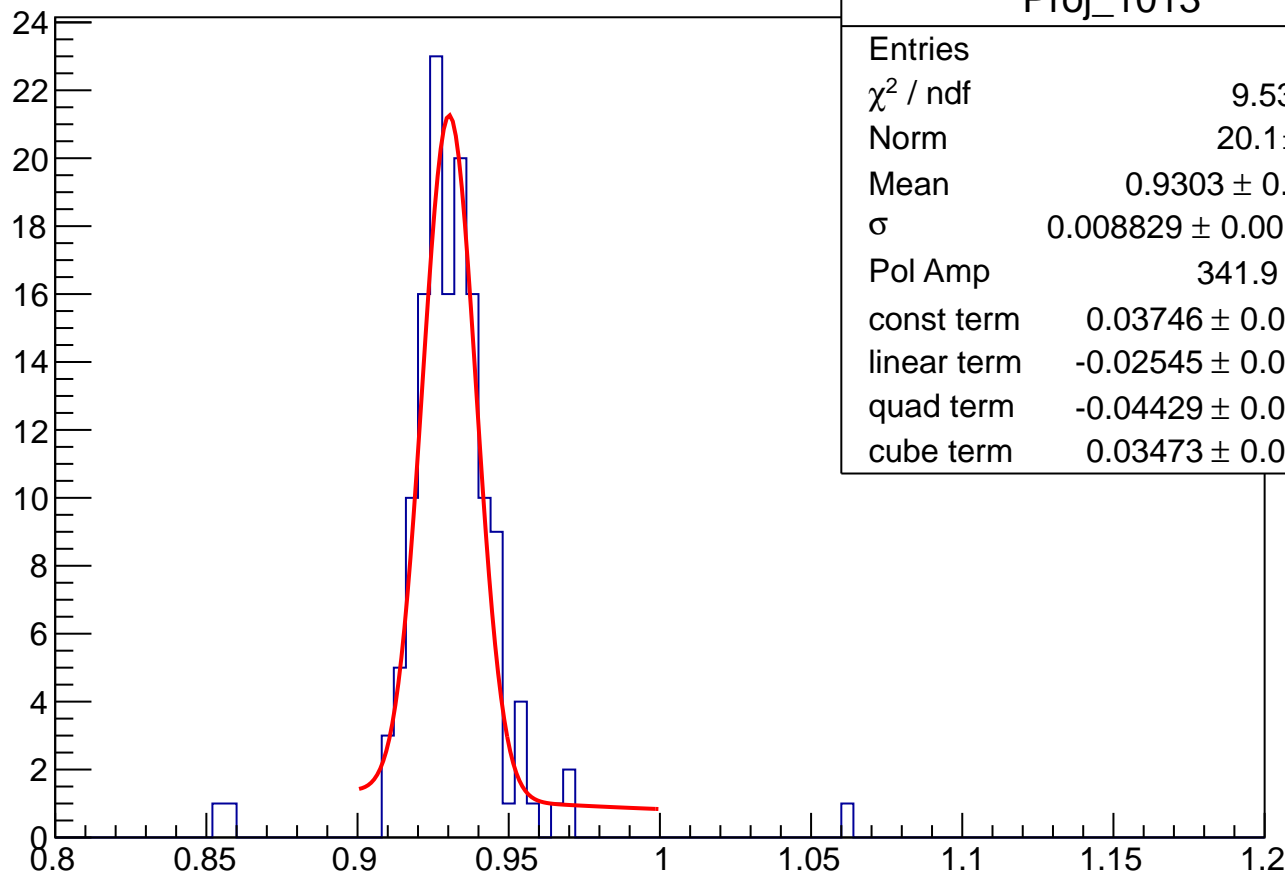
PhiThetaMassPip



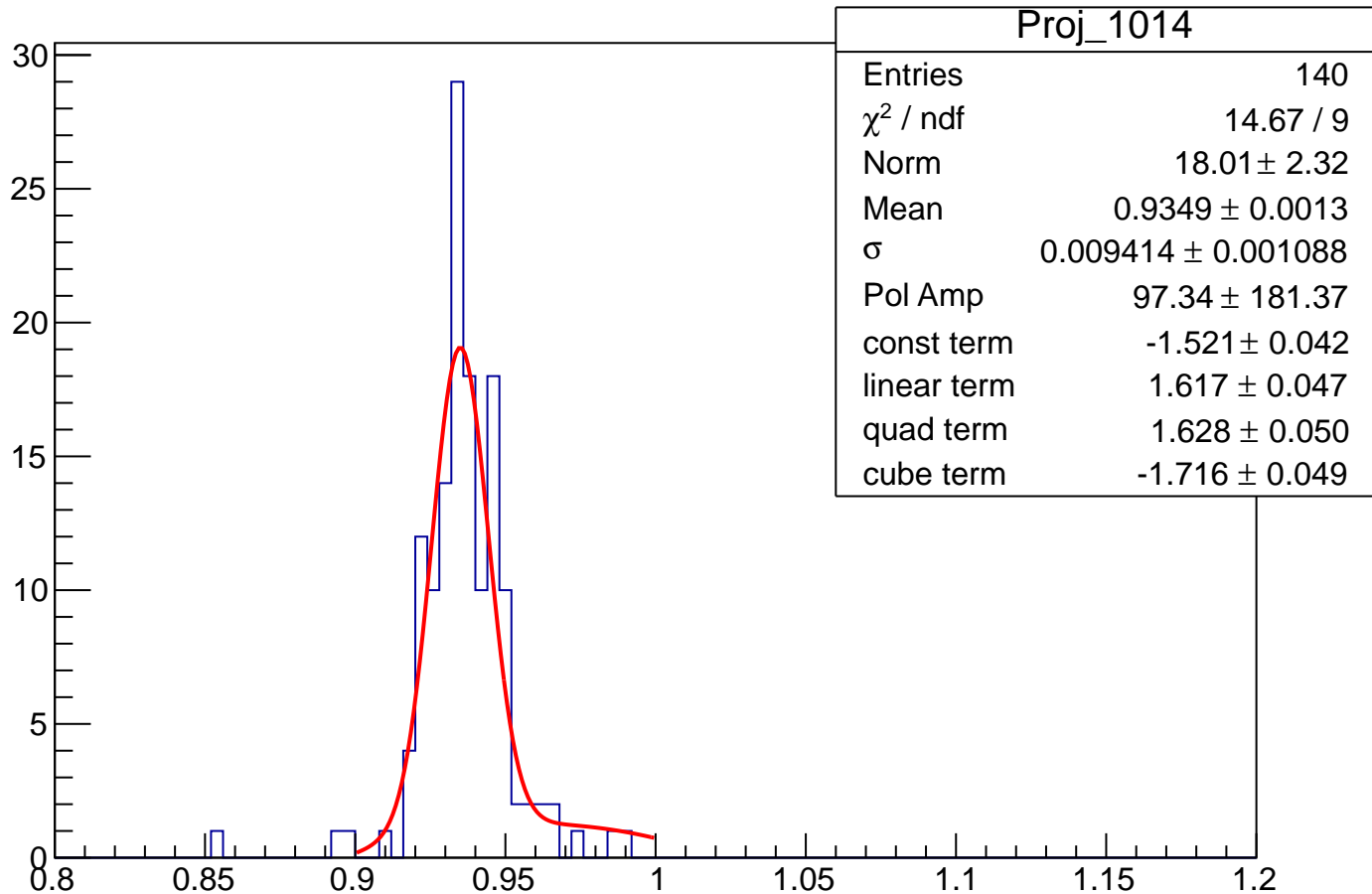
PhiThetaMassPip



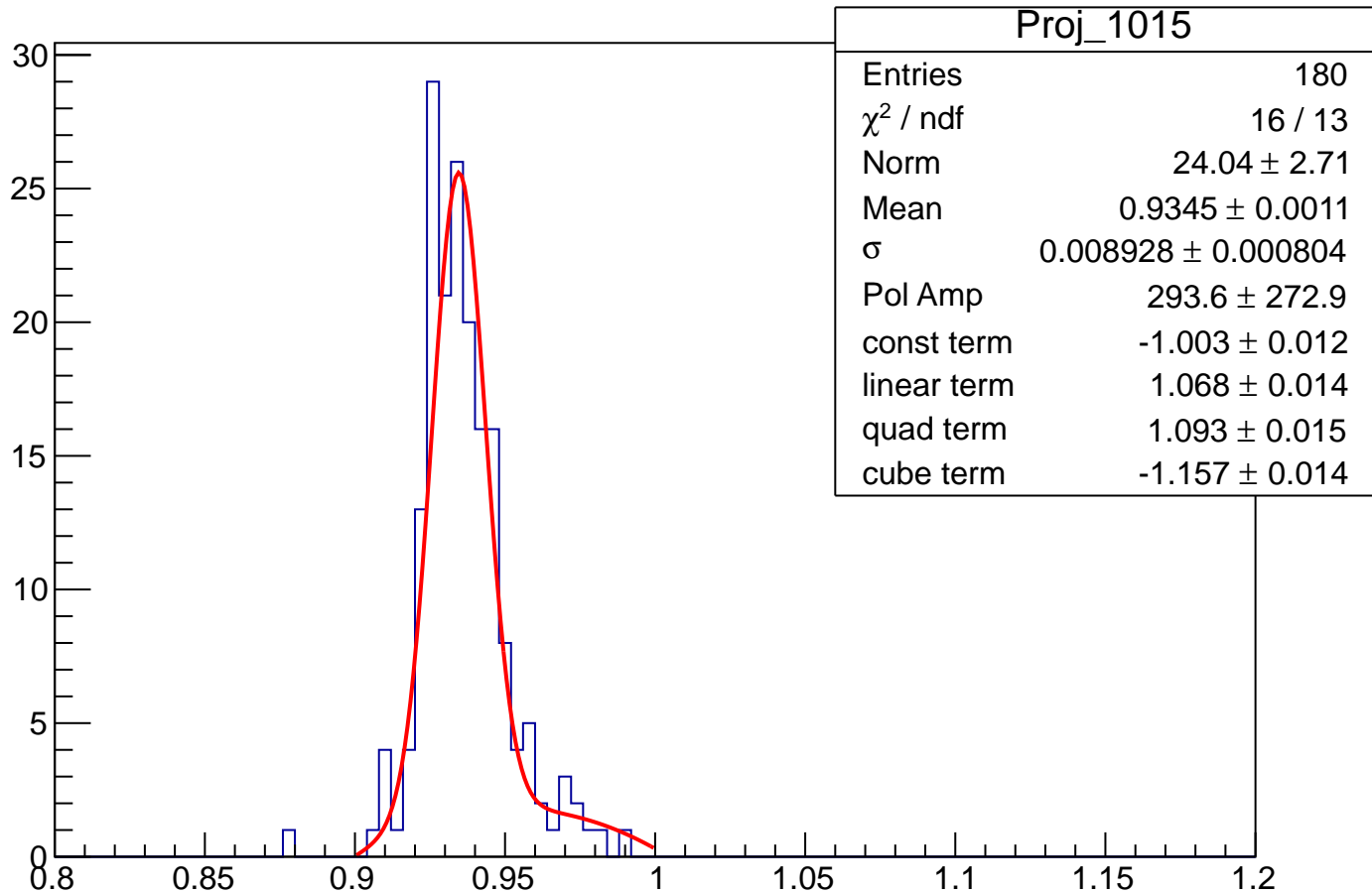
PhiThetaMassPip



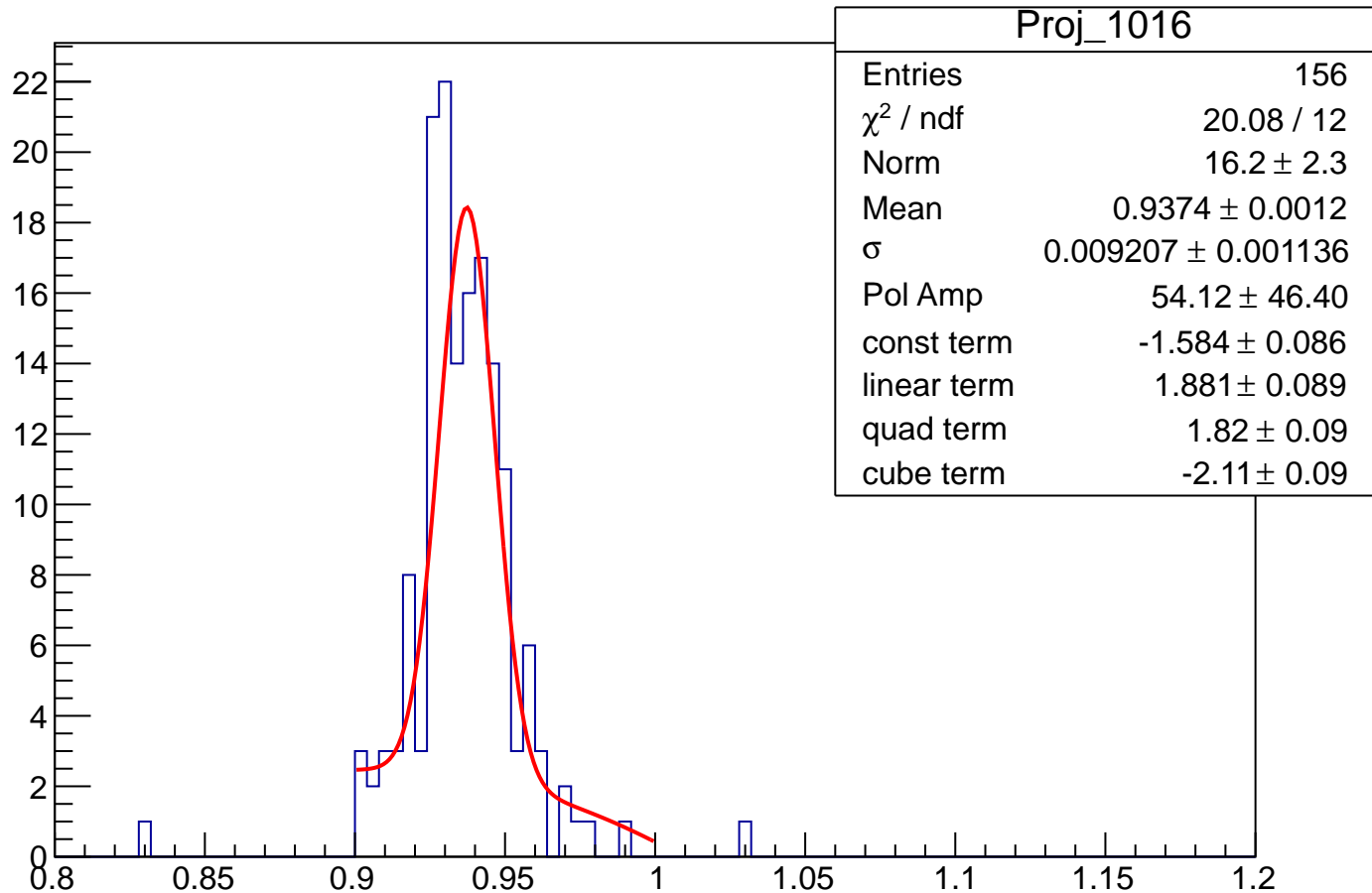
PhiThetaMassPip



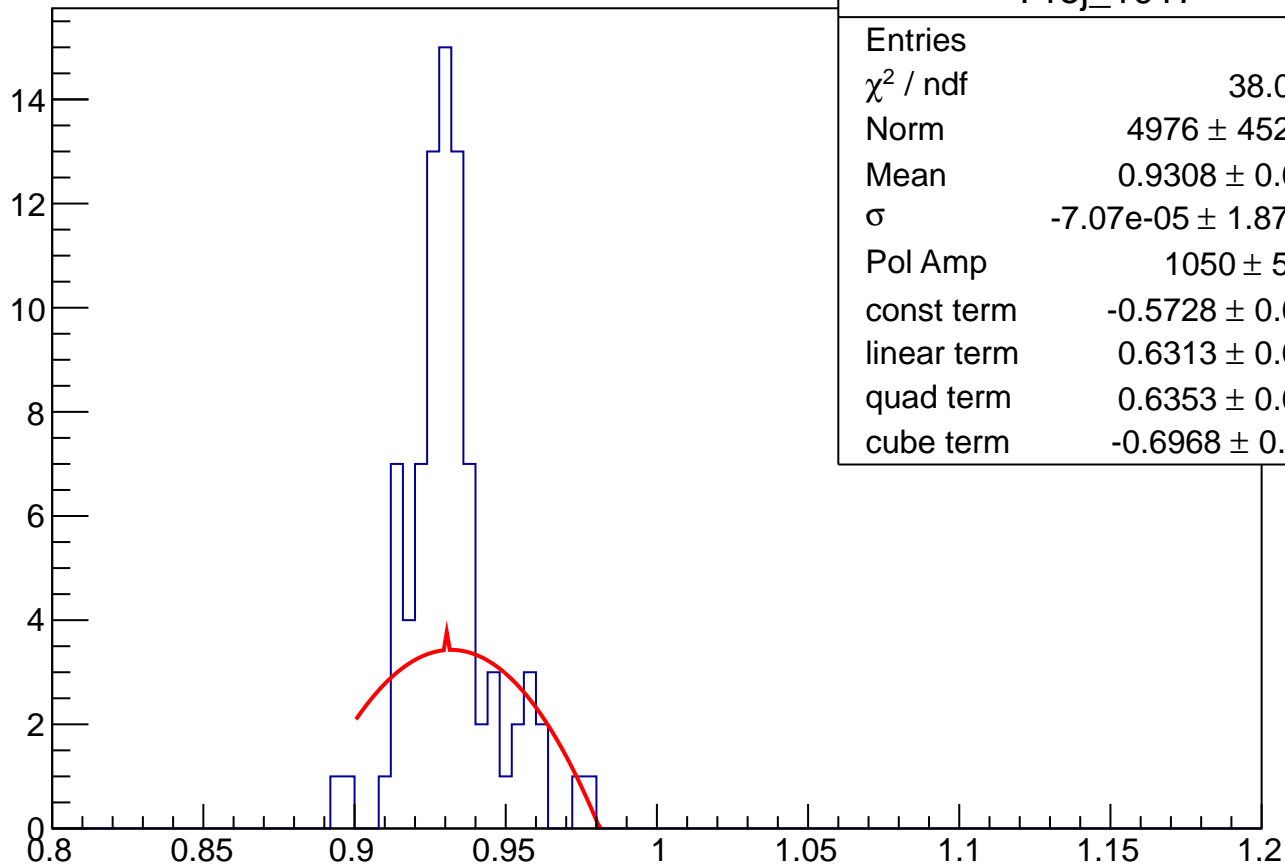
PhiThetaMassPip



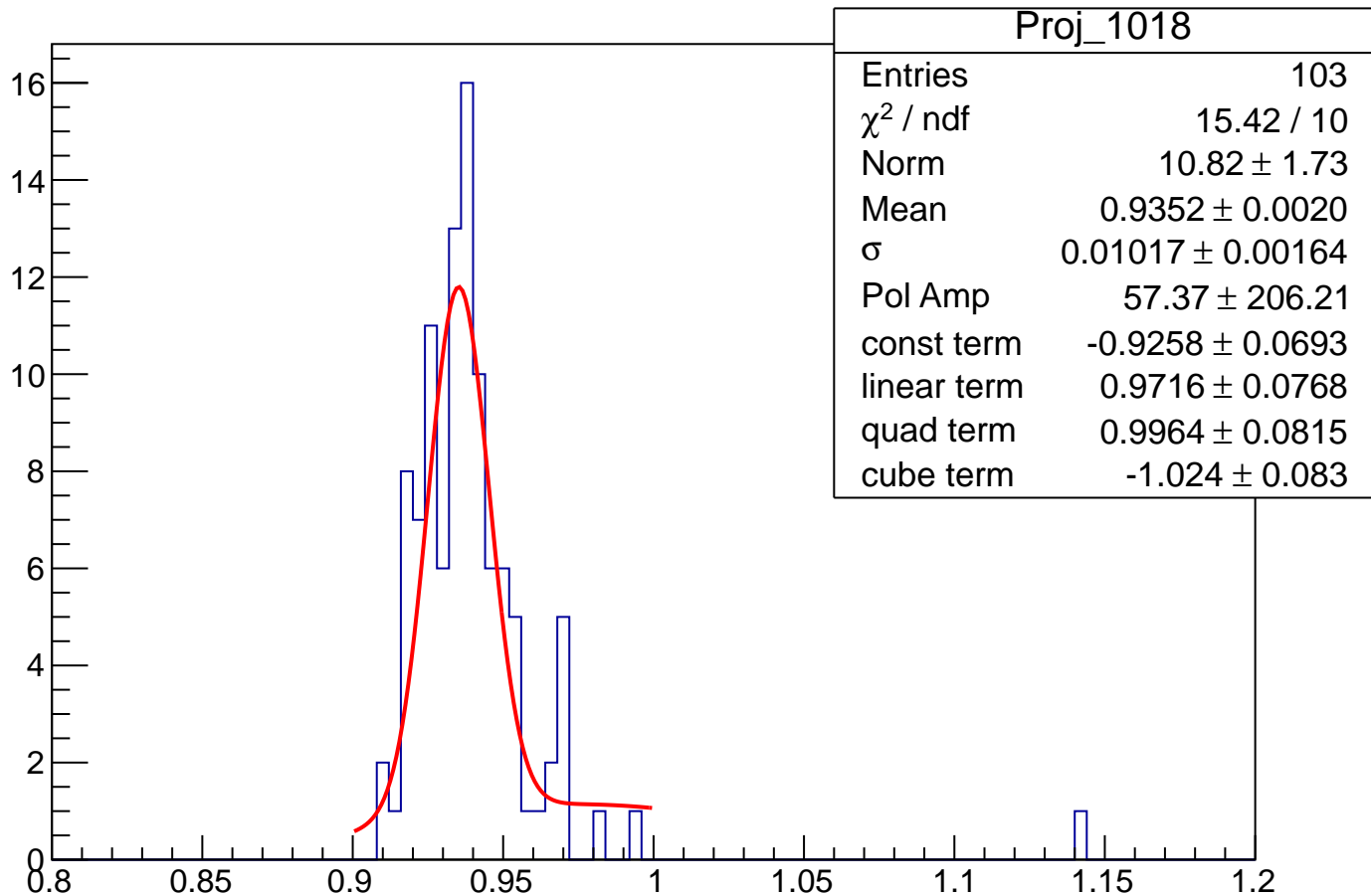
PhiThetaMassPip



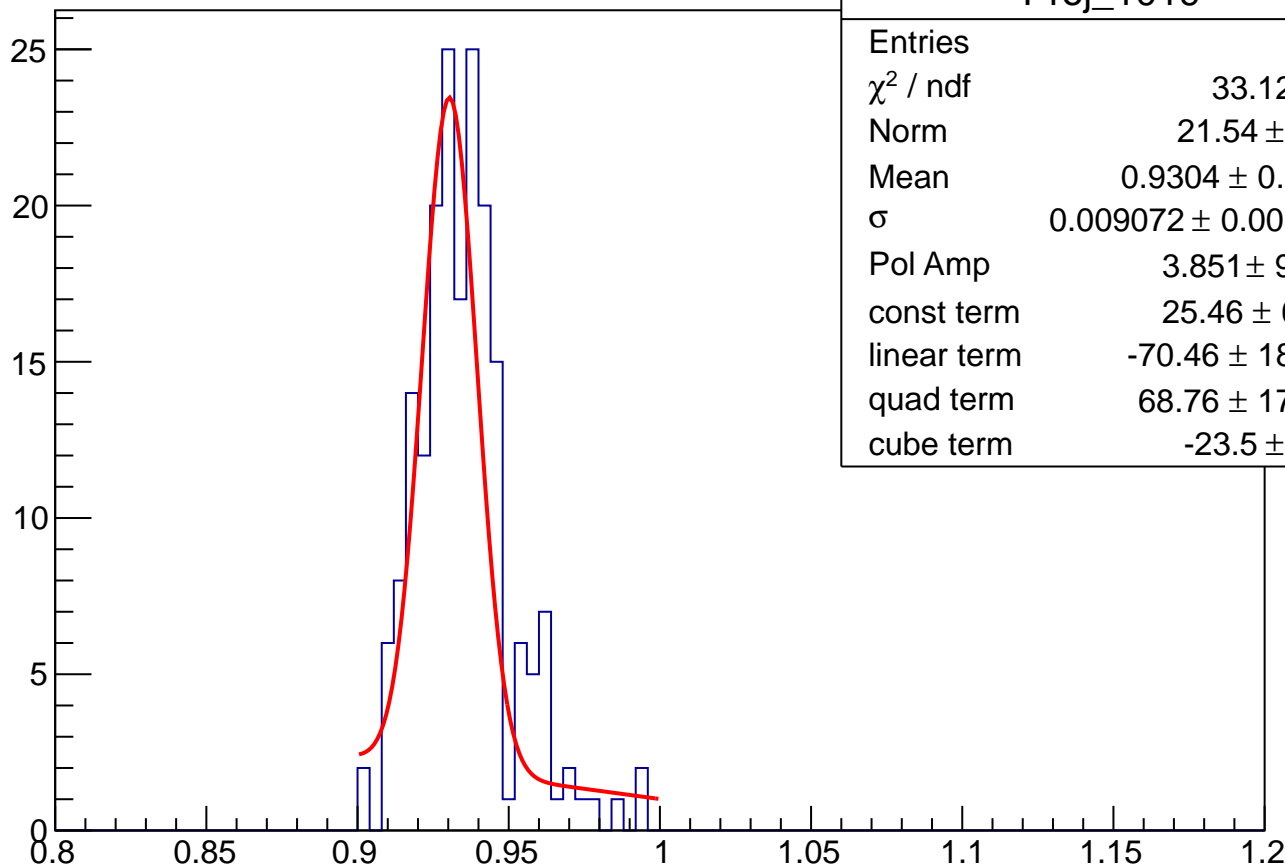
PhiThetaMassPip



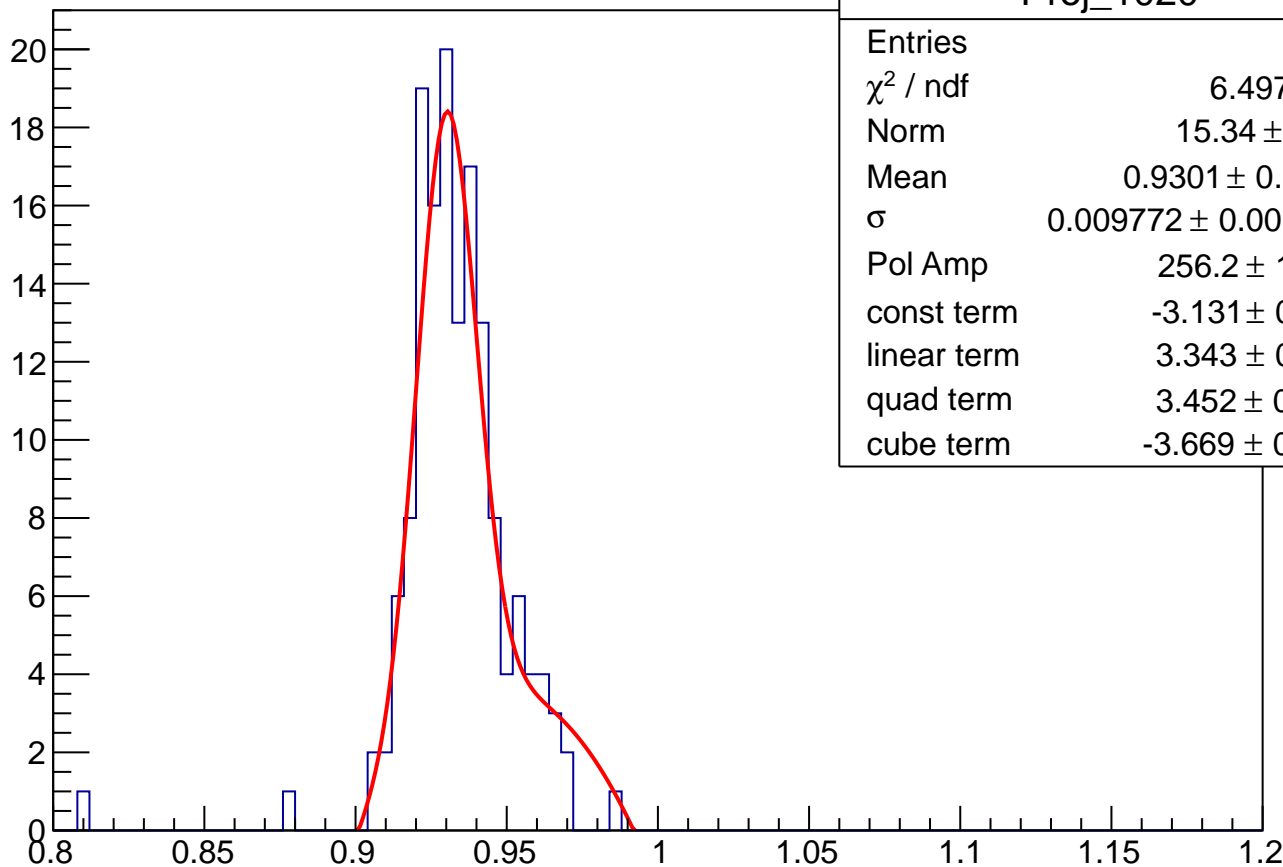
PhiThetaMassPip



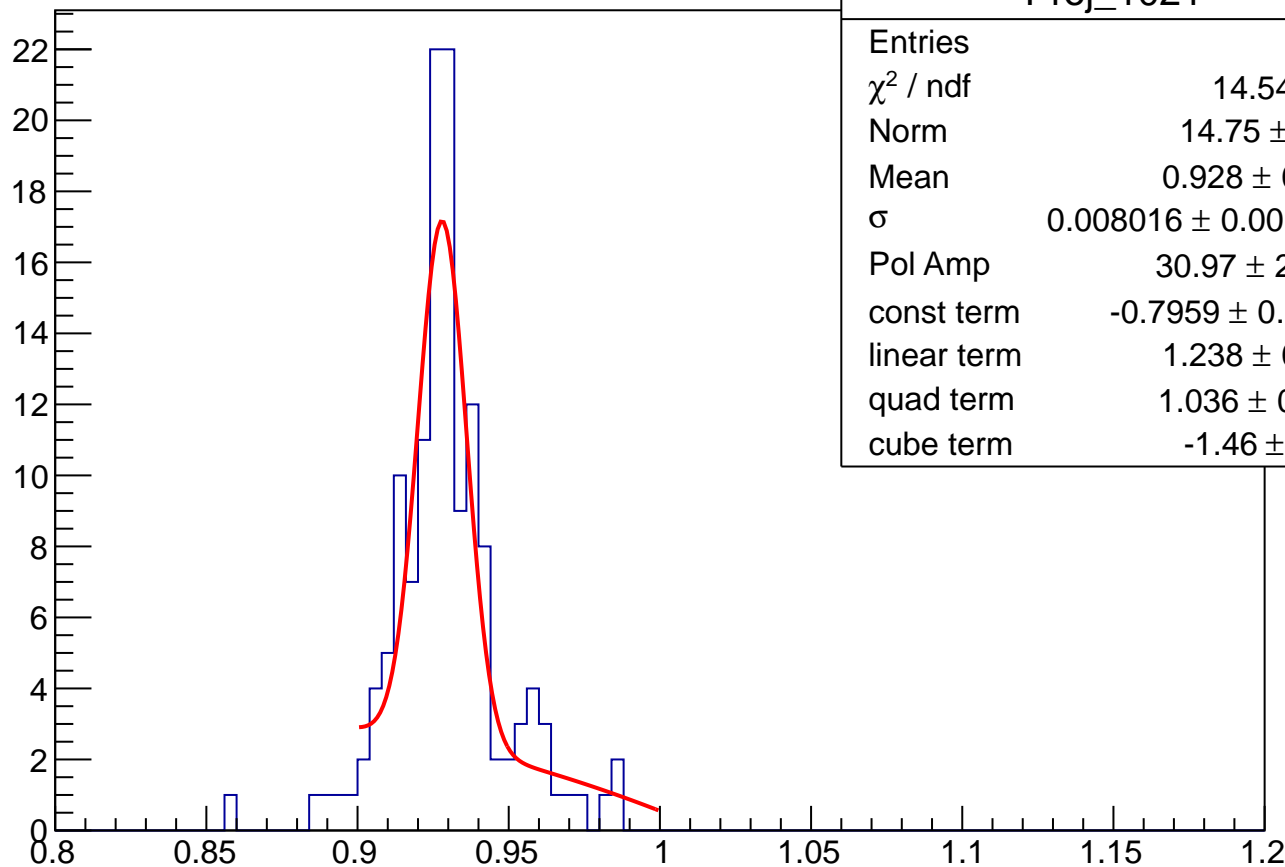
PhiThetaMassPip



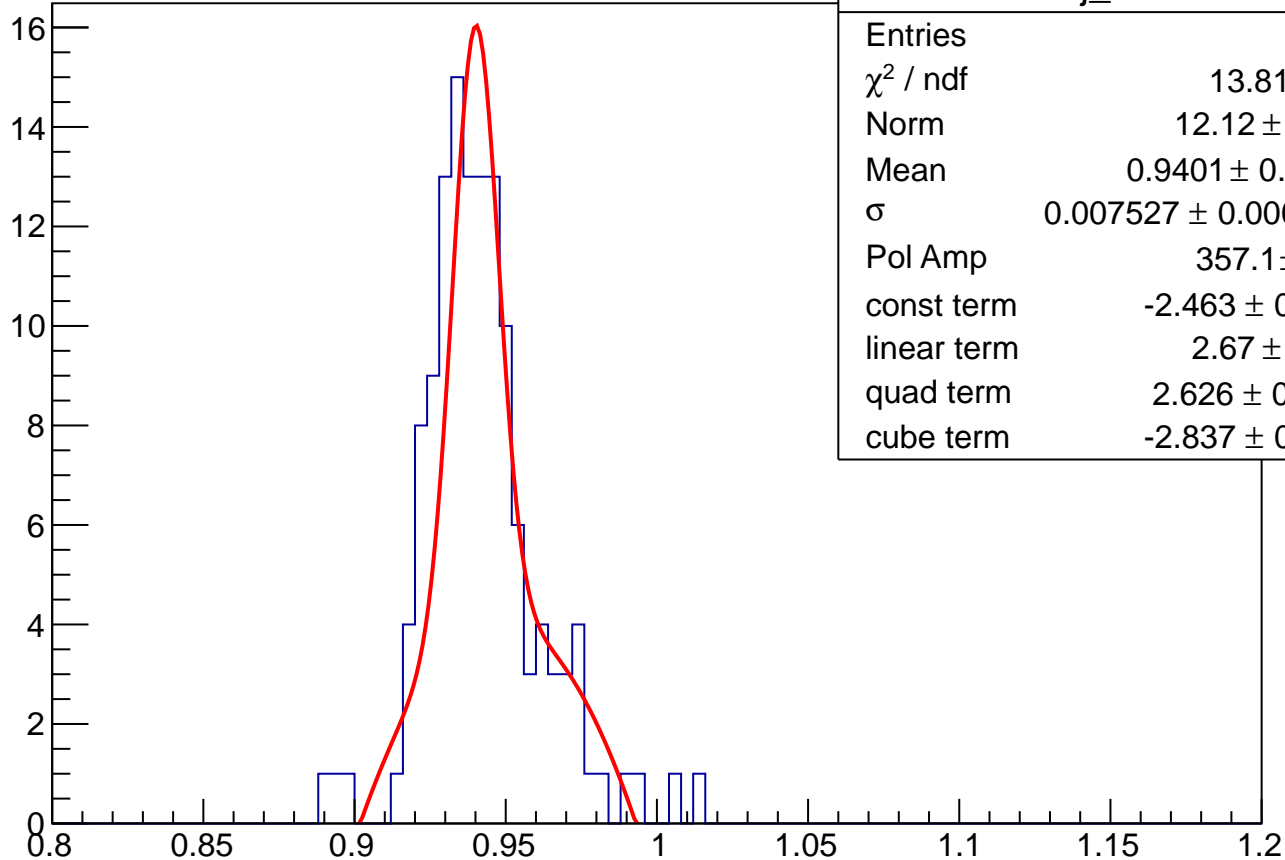
PhiThetaMassPip



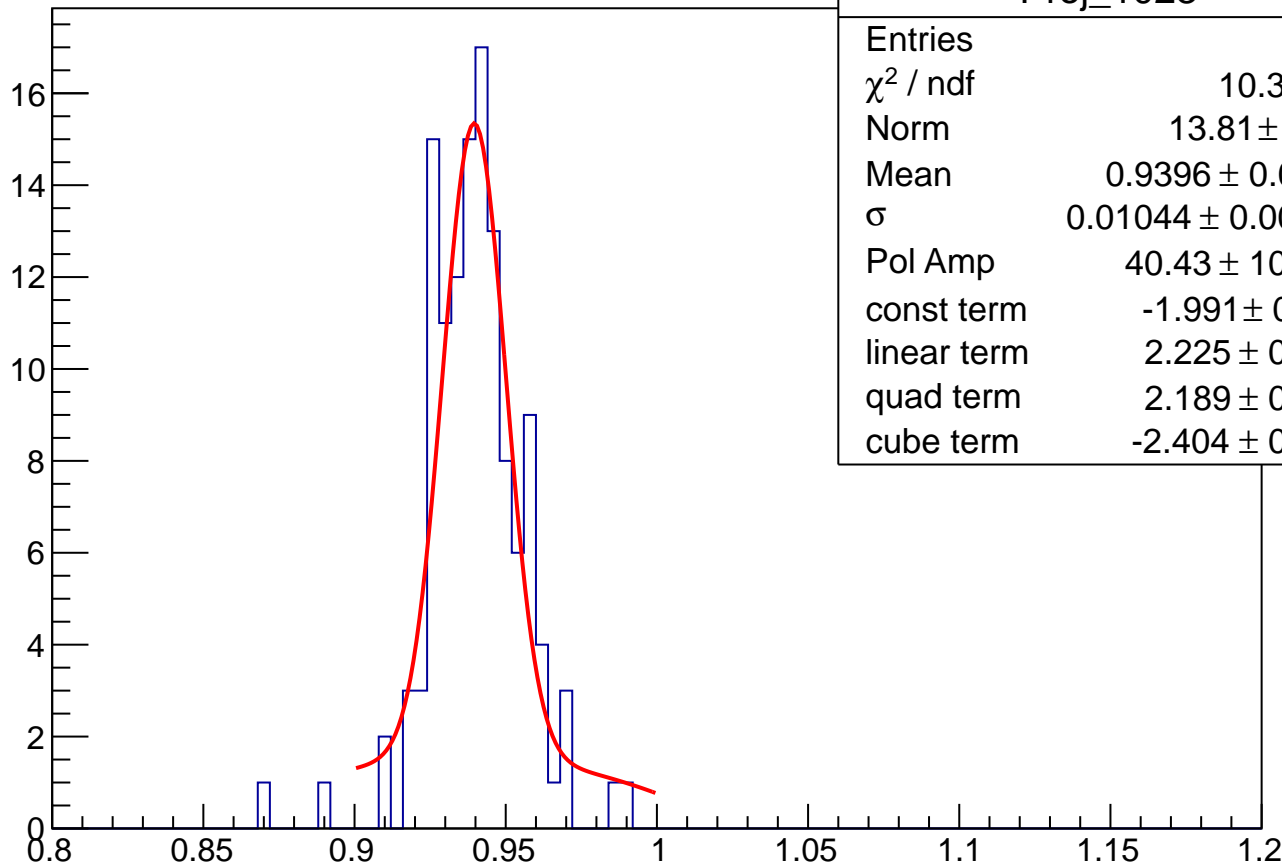
PhiThetaMassPip



PhiThetaMassPip



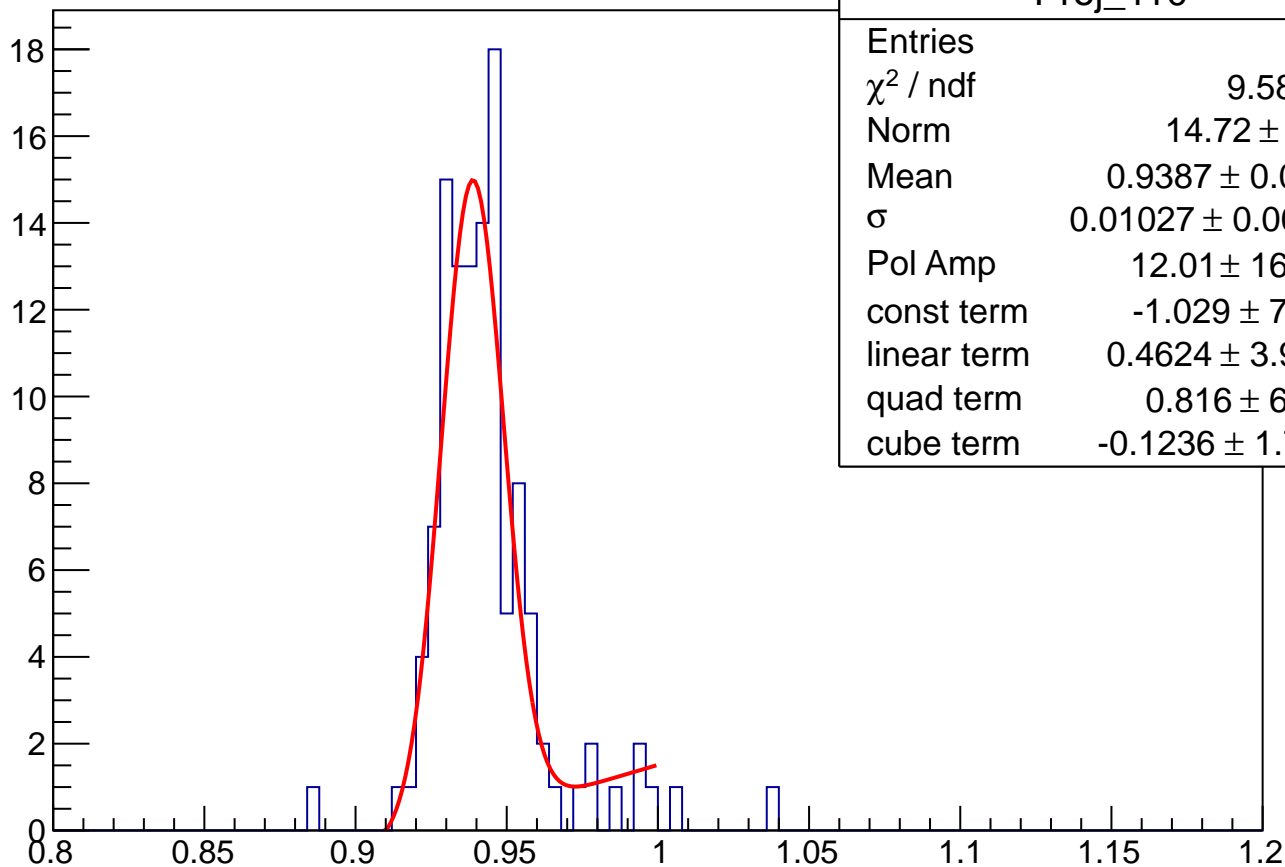
PhiThetaMassPip



Proj_1023

Entries	126
χ^2 / ndf	10.37 / 9
Norm	13.81 ± 2.14
Mean	0.9396 ± 0.0014
σ	0.01044 ± 0.00185
Pol Amp	40.43 ± 109.74
const term	-1.991 ± 0.121
linear term	2.225 ± 0.127
quad term	2.189 ± 0.128
cube term	-2.404 ± 0.123

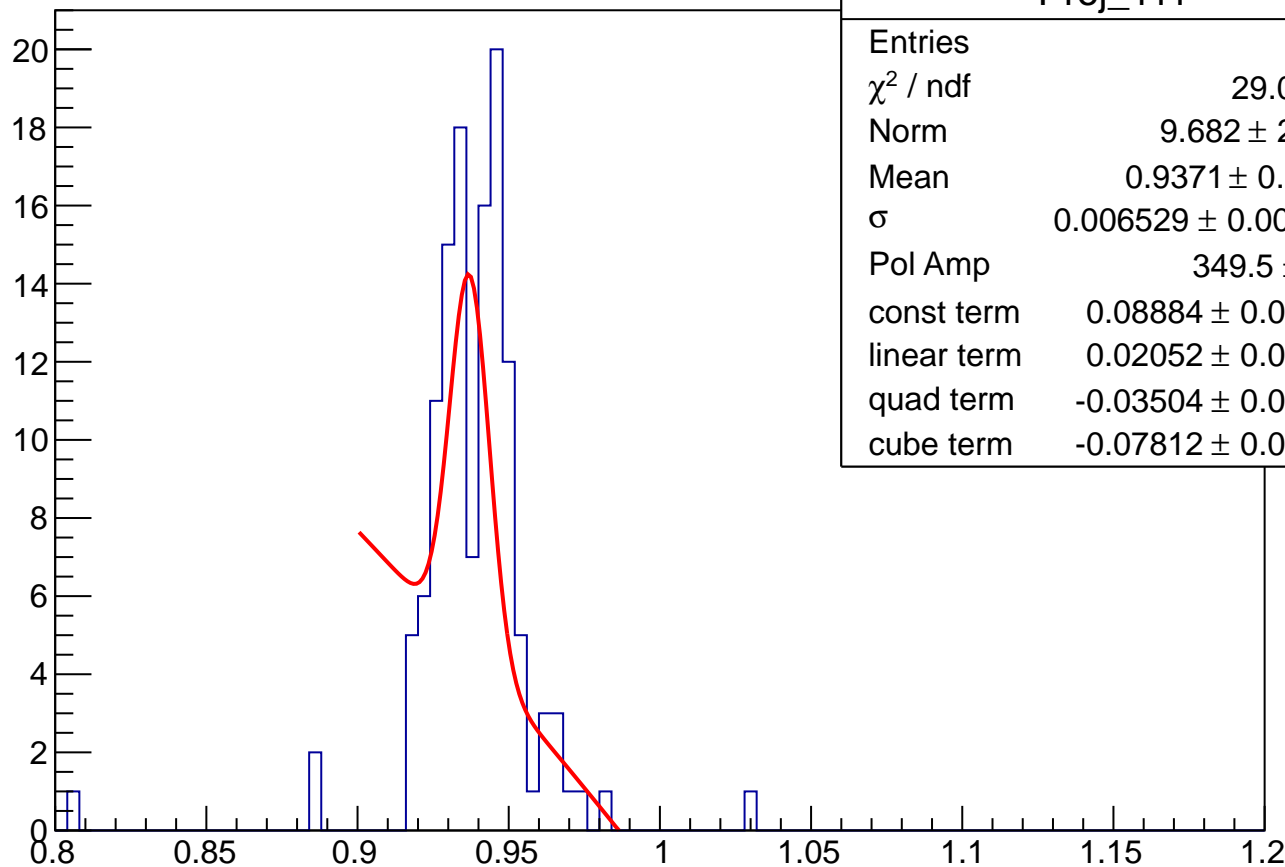
PhiThetaMassPip



Proj_110

Entries	117
χ^2 / ndf	9.58 / 11
Norm	14.72 ± 1.97
Mean	0.9387 ± 0.0012
σ	0.01027 ± 0.00113
Pol Amp	12.01 ± 169.62
const term	-1.029 ± 7.558
linear term	0.4624 ± 3.9290
quad term	0.816 ± 6.258
cube term	-0.1236 ± 1.7671

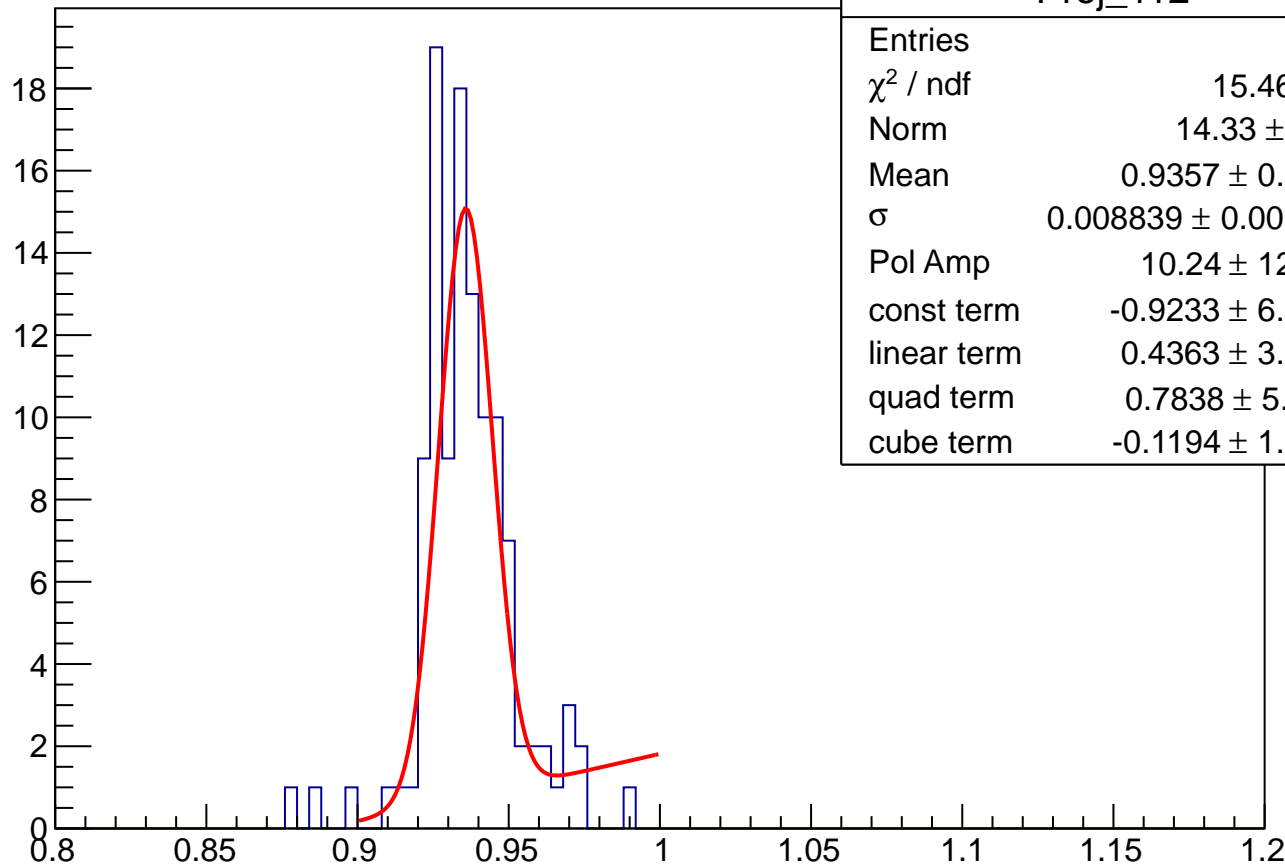
PhiThetaMassPip



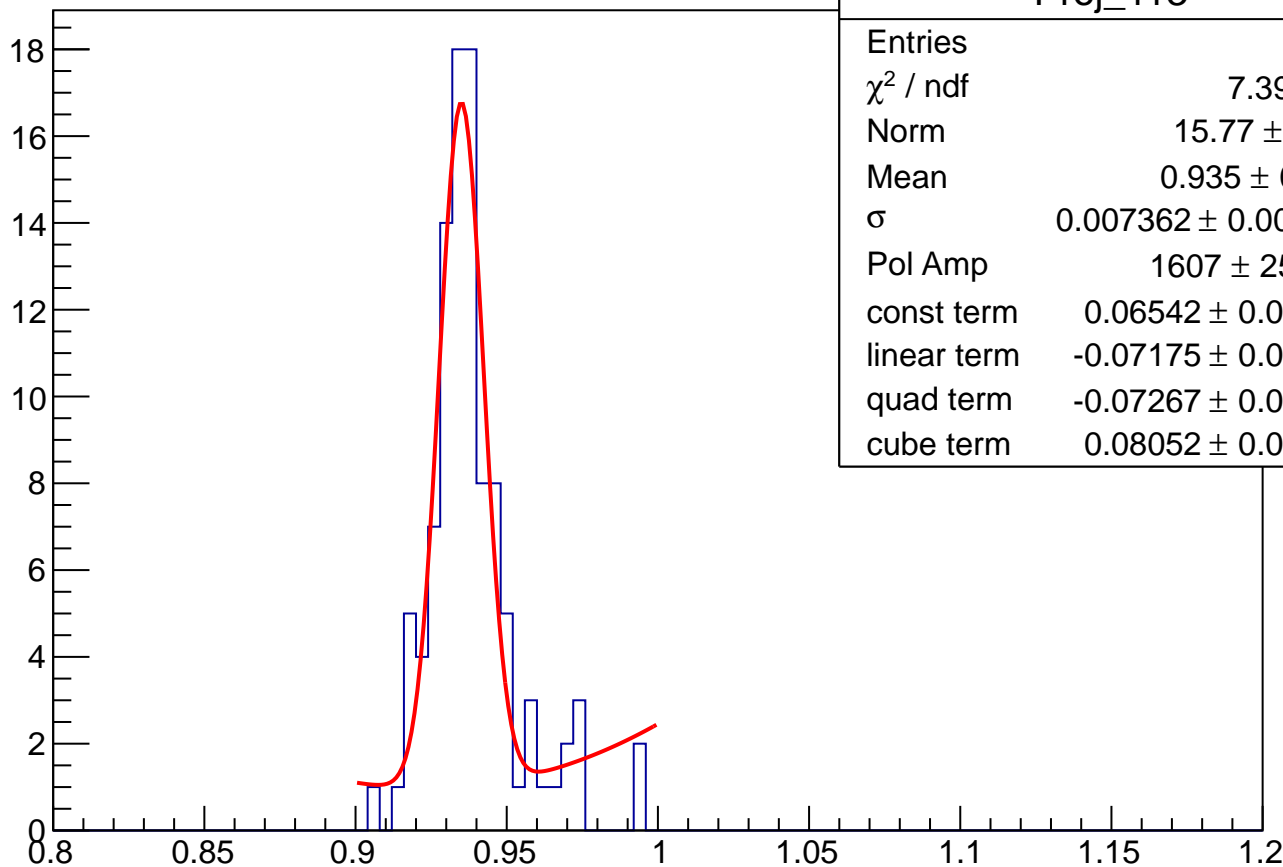
Proj_111

Entries	129
χ^2 / ndf	29.04 / 8
Norm	9.682 ± 2.342
Mean	0.9371 ± 0.0000
σ	0.006529 ± 0.000001
Pol Amp	349.5 ± 0.0
const term	0.08884 ± 0.02394
linear term	0.02052 ± 0.00810
quad term	-0.03504 ± 0.00869
cube term	-0.07812 ± 0.02622

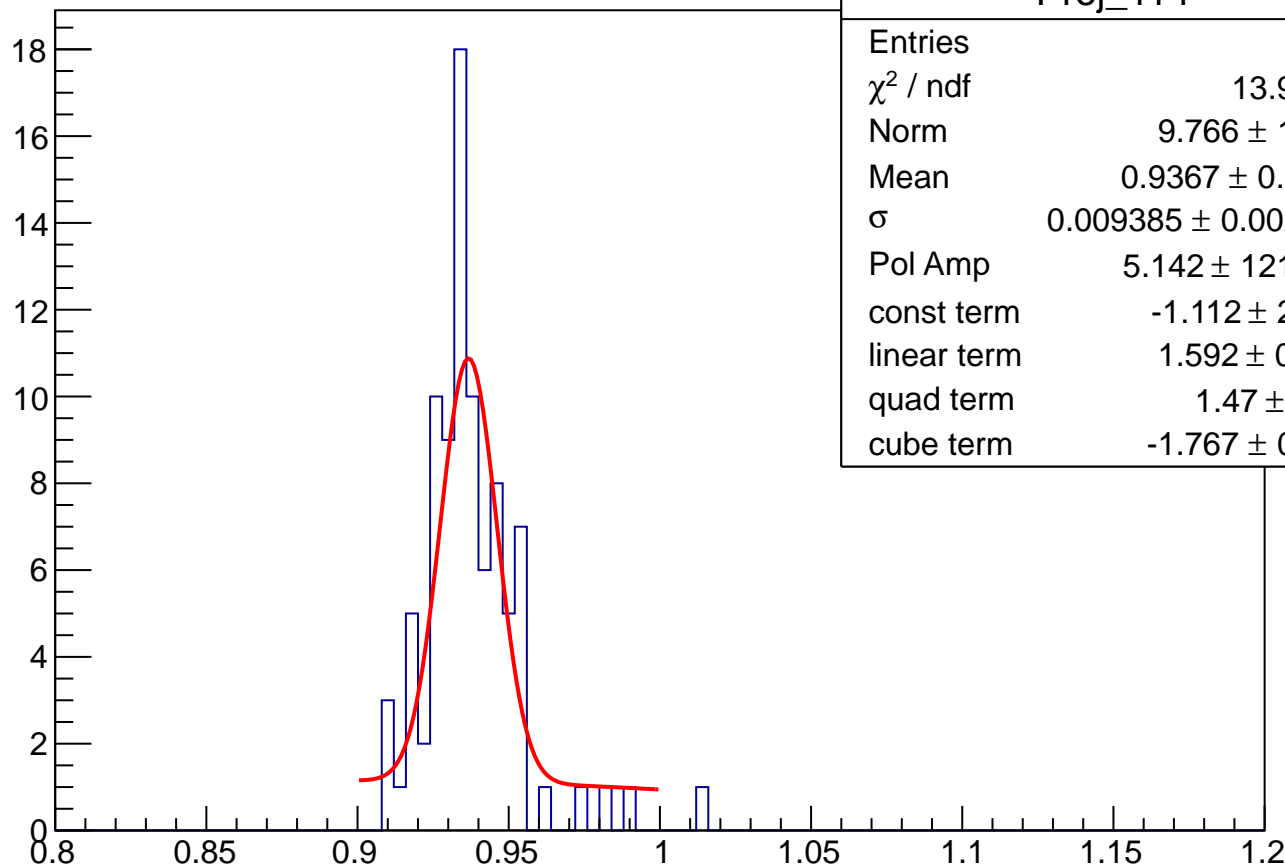
PhiThetaMassPip



PhiThetaMassPip



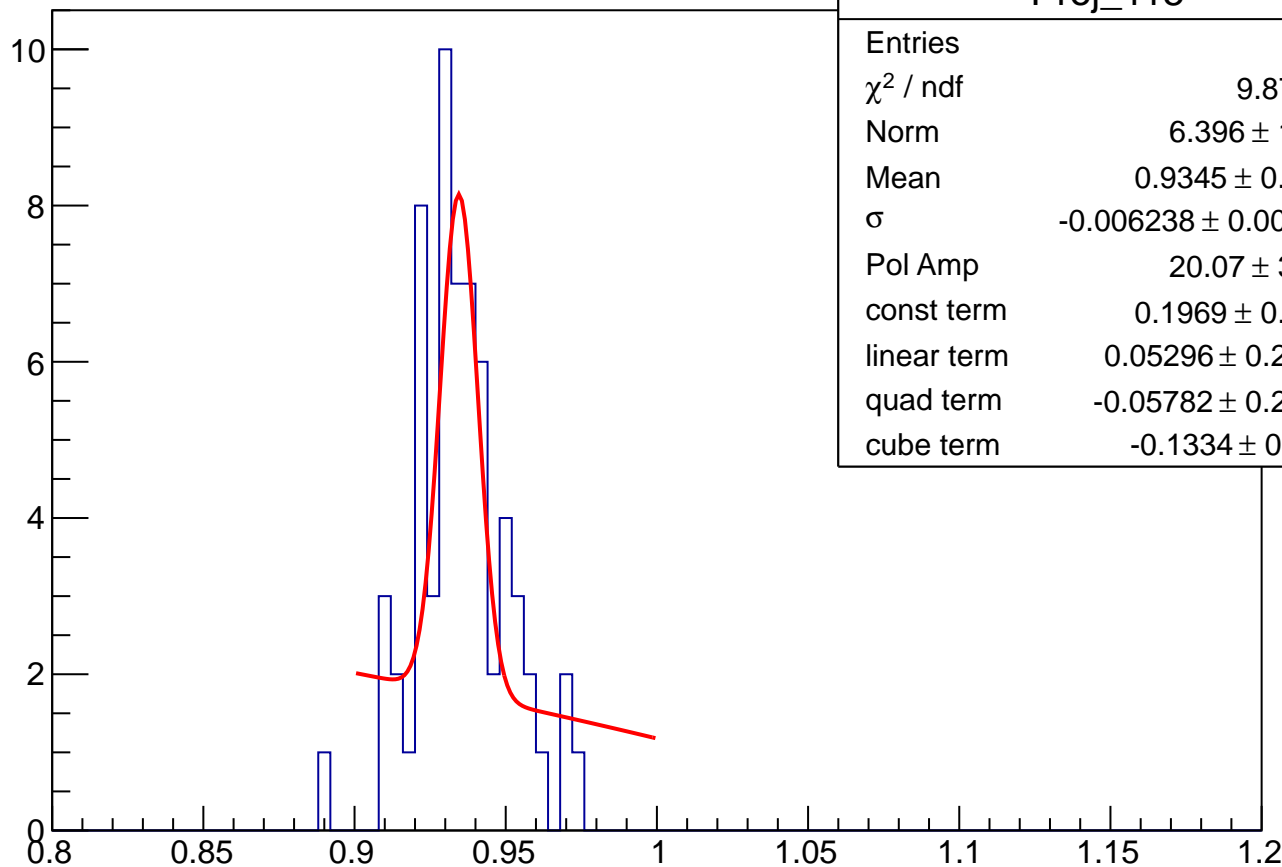
PhiThetaMassPip



Proj_114

Entries	89
χ^2 / ndf	13.92 / 8
Norm	9.766 ± 1.954
Mean	0.9367 ± 0.0020
σ	0.009385 ± 0.002247
Pol Amp	5.142 ± 121.587
const term	-1.112 ± 2.412
linear term	1.592 ± 0.517
quad term	1.47 ± 0.57
cube term	-1.767 ± 0.774

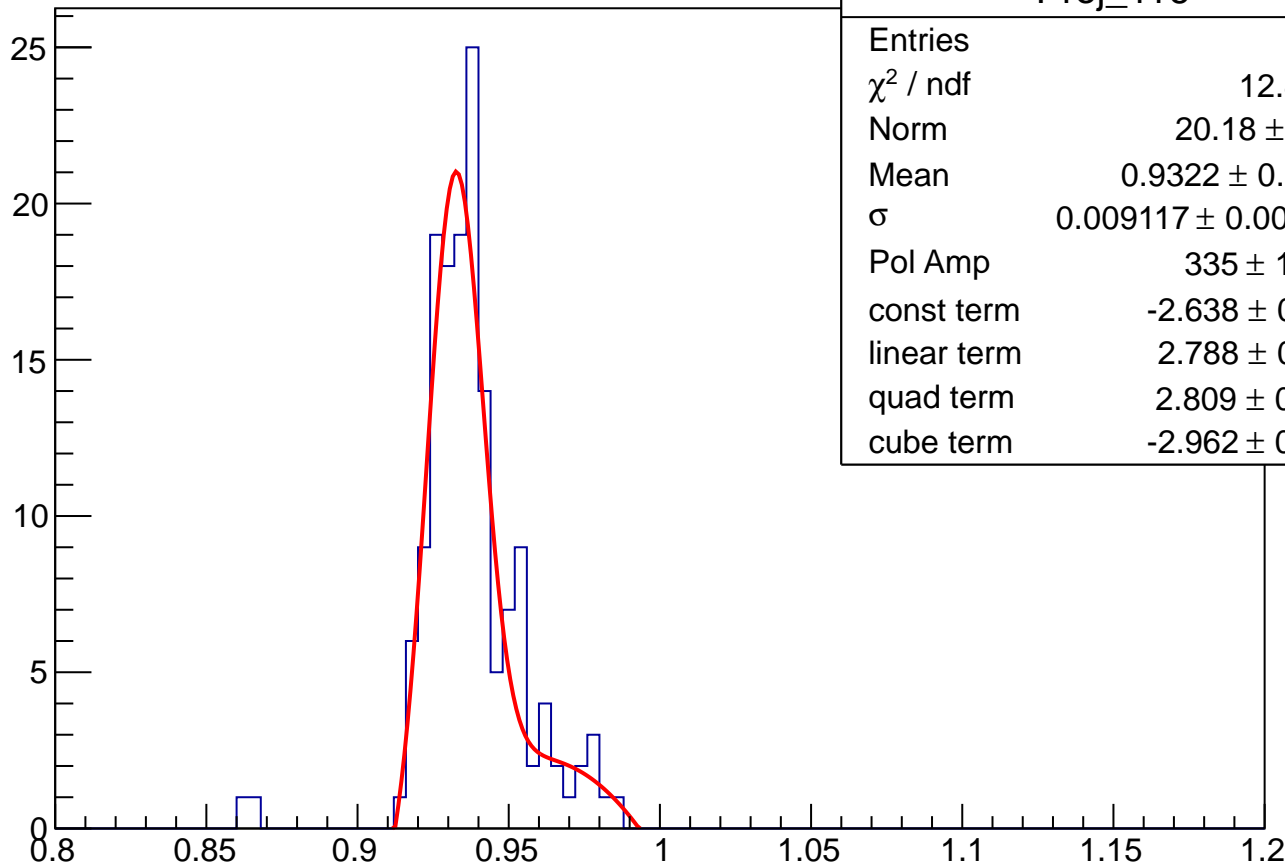
PhiThetaMassPip



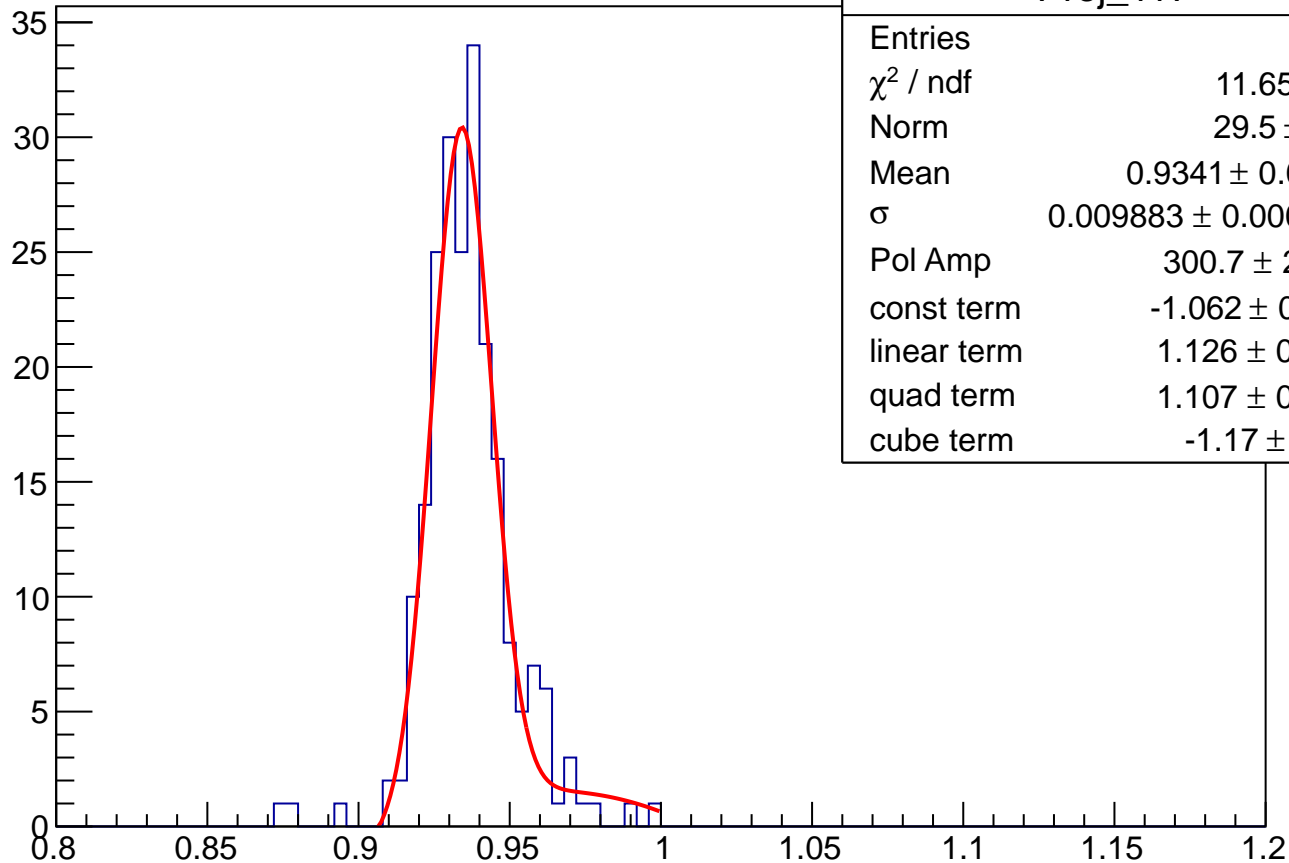
Proj_115

Entries	63
χ^2 / ndf	9.876 / 8
Norm	6.396 ± 1.936
Mean	0.9345 ± 0.0018
σ	-0.006238 ± 0.001822
Pol Amp	20.07 ± 34.14
const term	0.1969 ± 0.2246
linear term	0.05296 ± 0.23410
quad term	-0.05782 ± 0.23857
cube term	-0.1334 ± 0.2361

PhiThetaMassPip



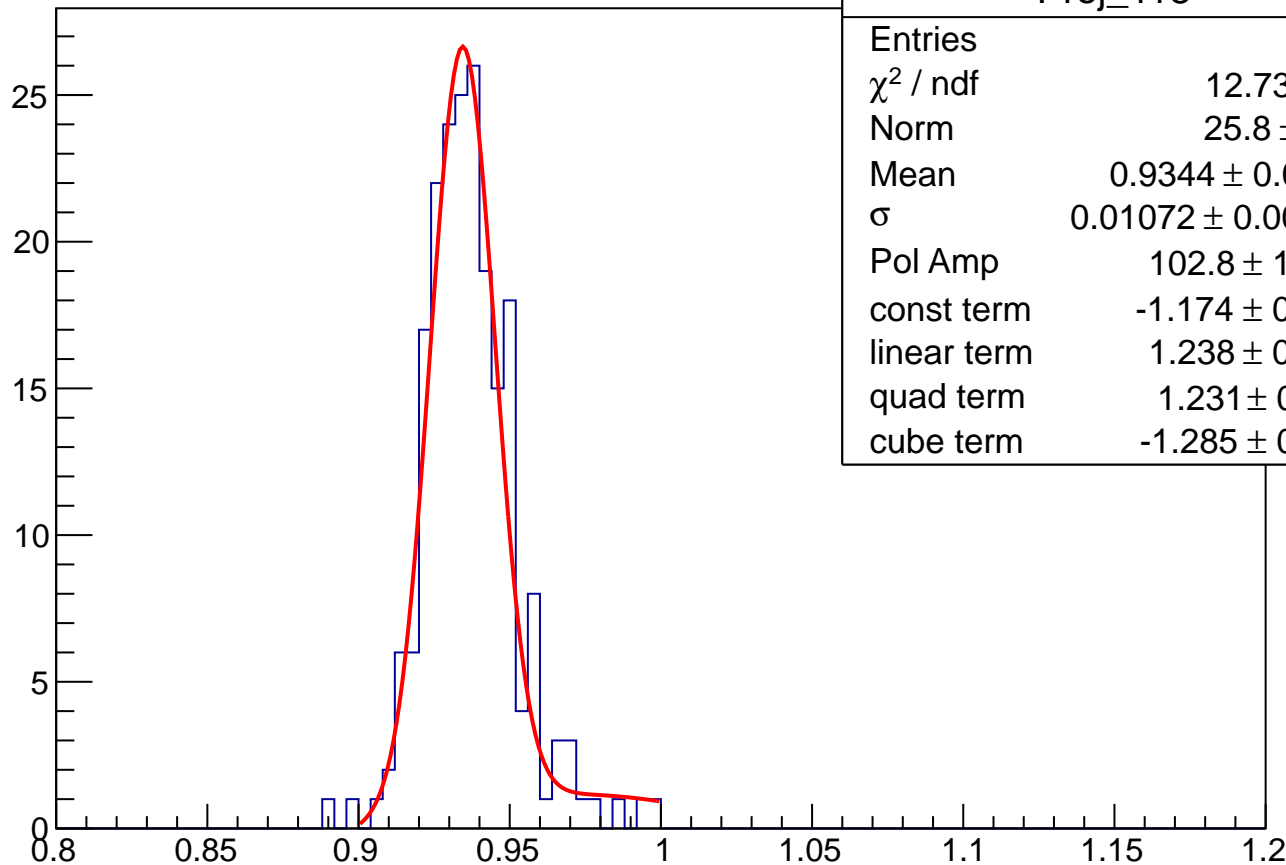
PhiThetaMassPip



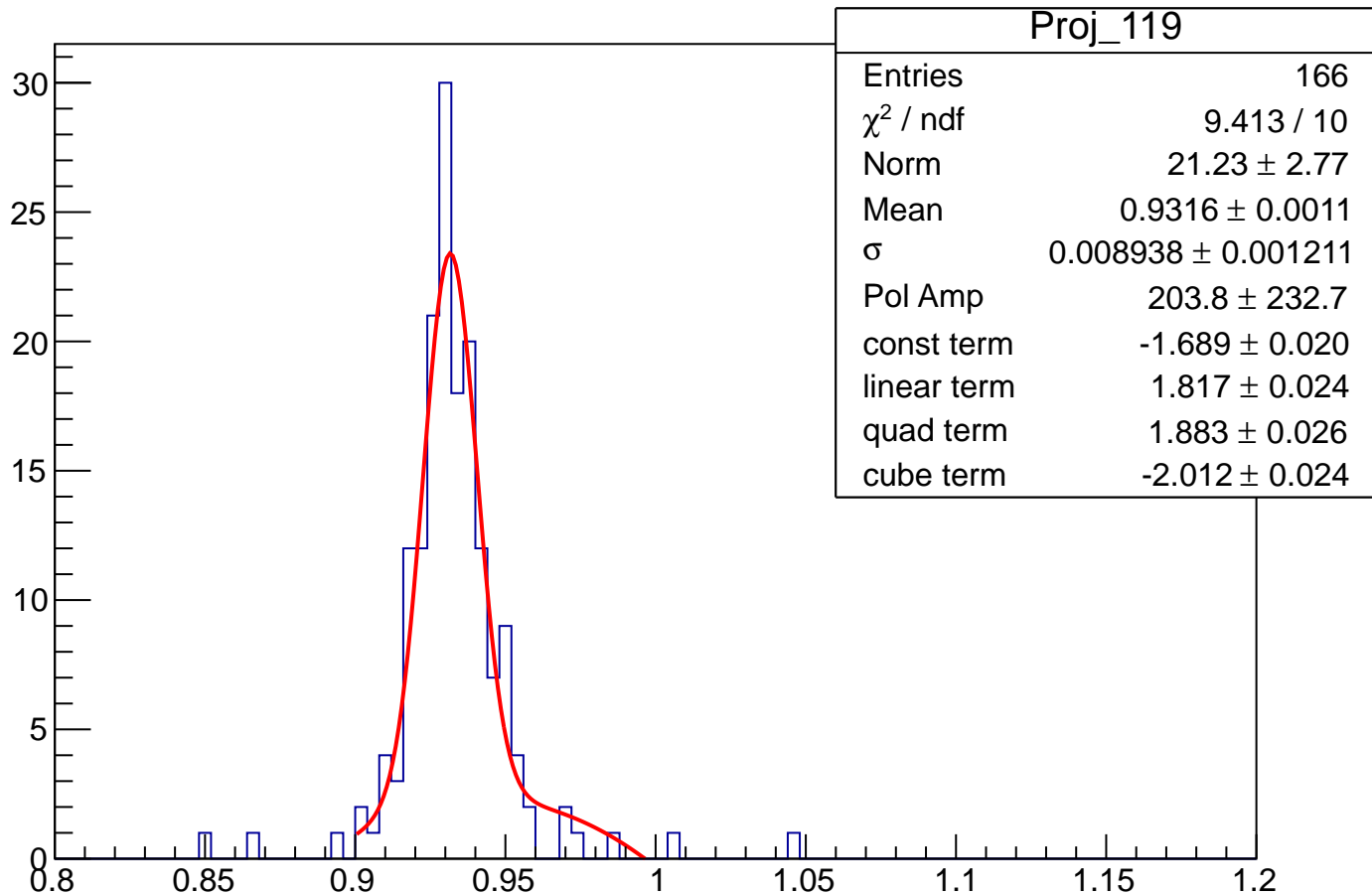
Proj_117

Entries	216
χ^2 / ndf	11.65 / 12
Norm	29.5 ± 2.9
Mean	0.9341 ± 0.0010
σ	0.009883 ± 0.000836
Pol Amp	300.7 ± 253.1
const term	-1.062 ± 0.014
linear term	1.126 ± 0.015
quad term	1.107 ± 0.016
cube term	-1.17 ± 0.02

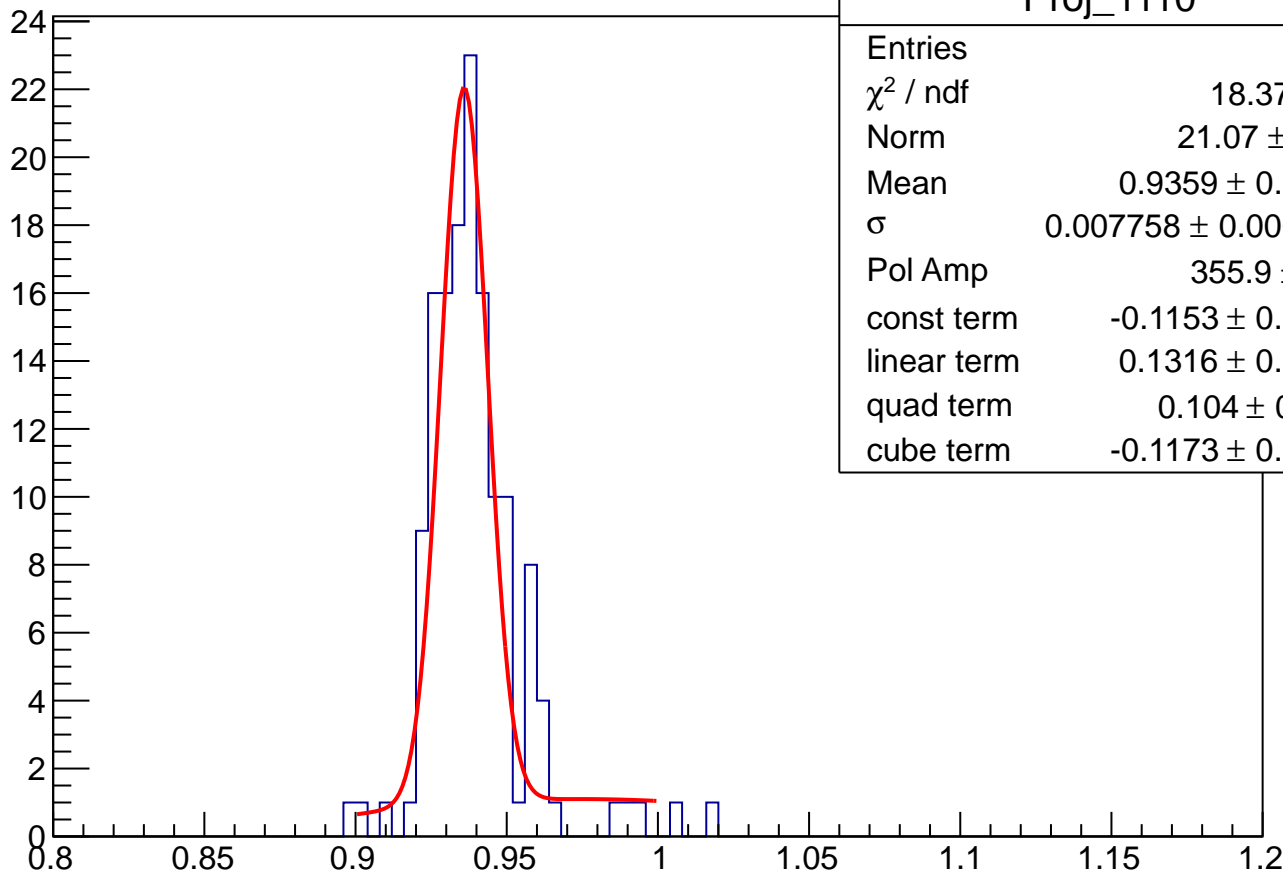
PhiThetaMassPip



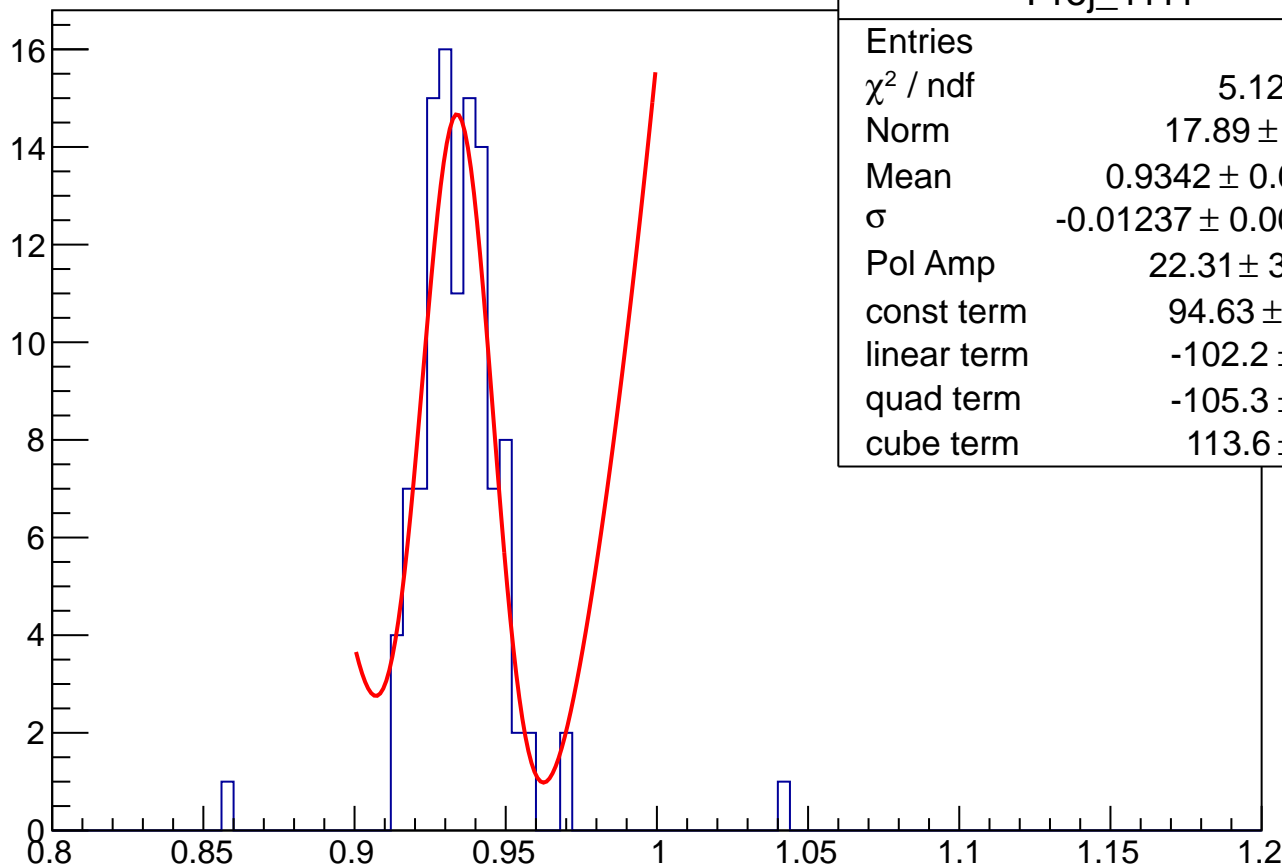
PhiThetaMassPip



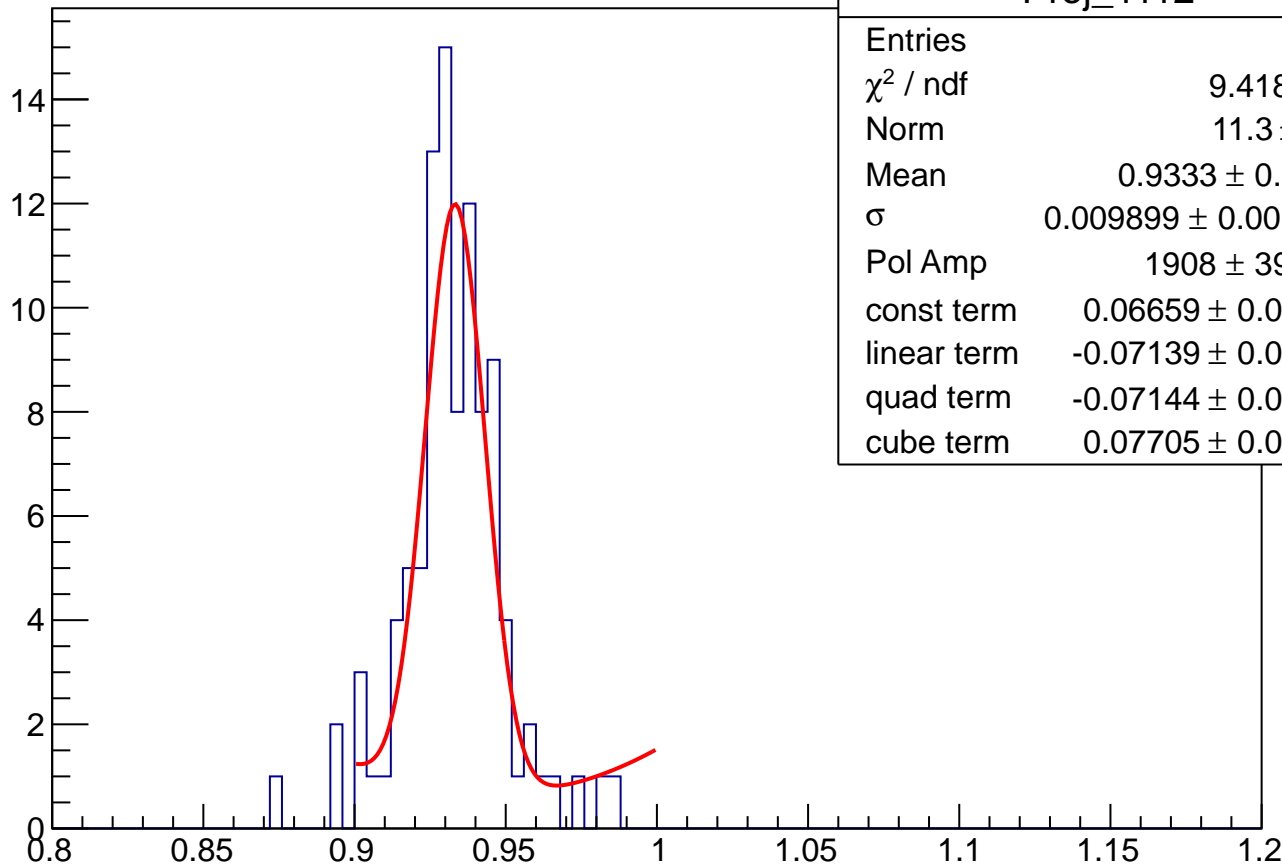
PhiThetaMassPip



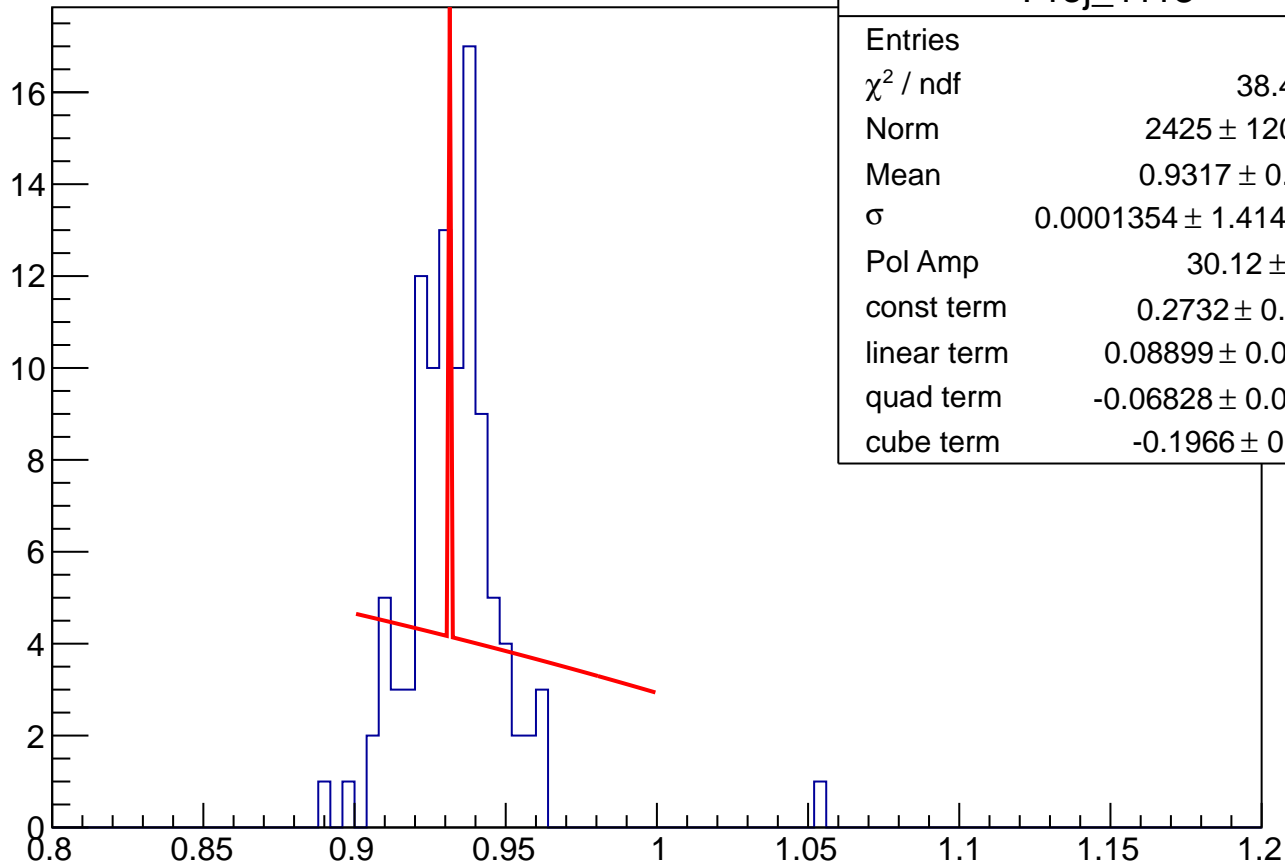
PhiThetaMassPip



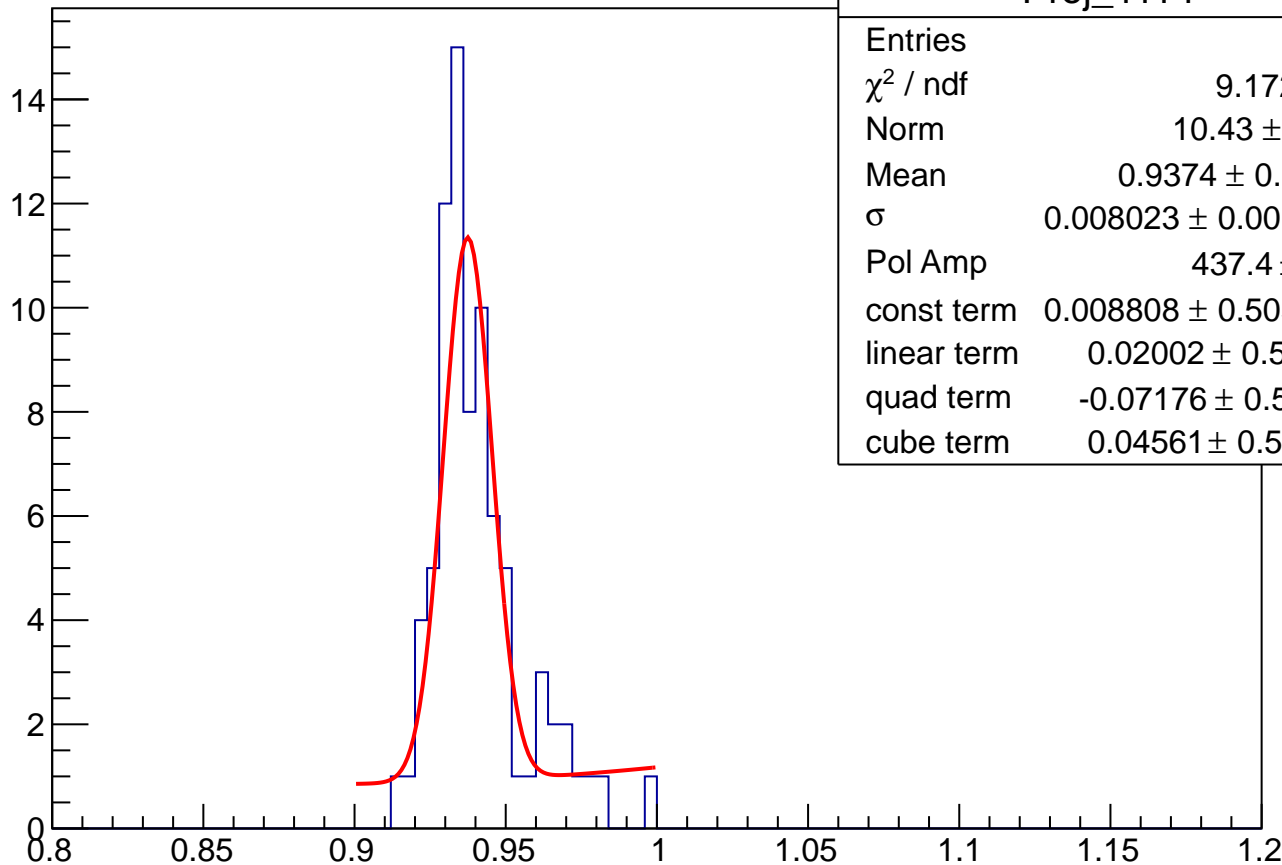
PhiThetaMassPip



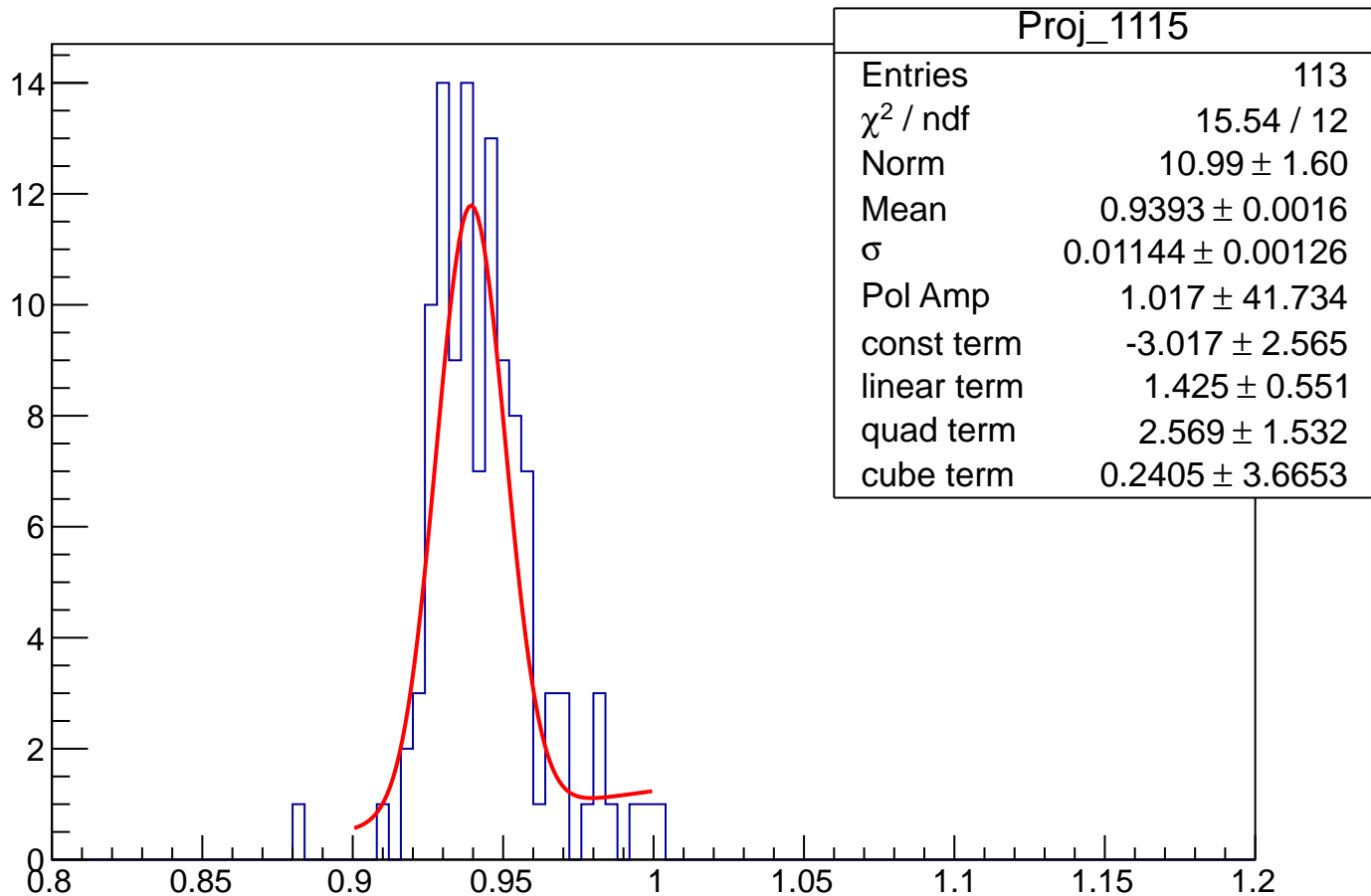
PhiThetaMassPip



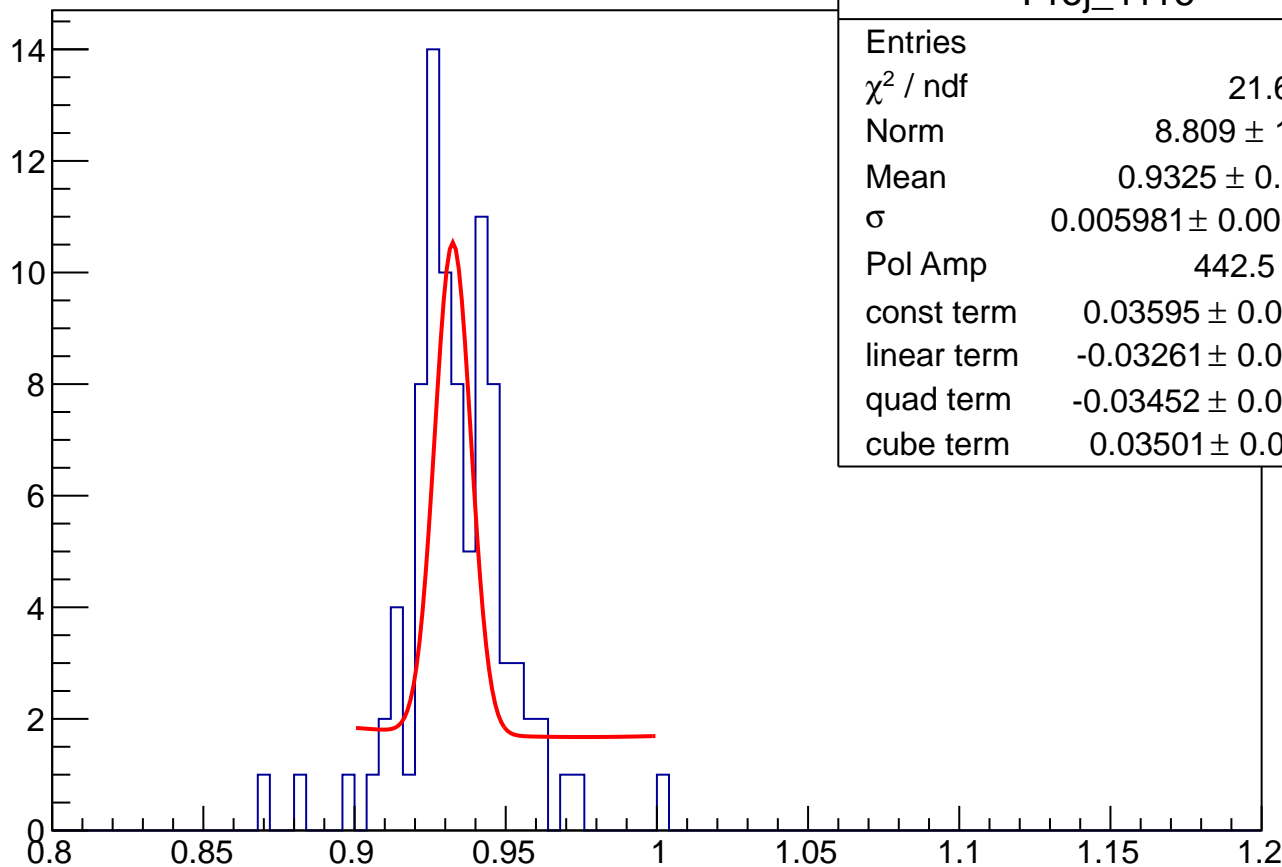
PhiThetaMassPip



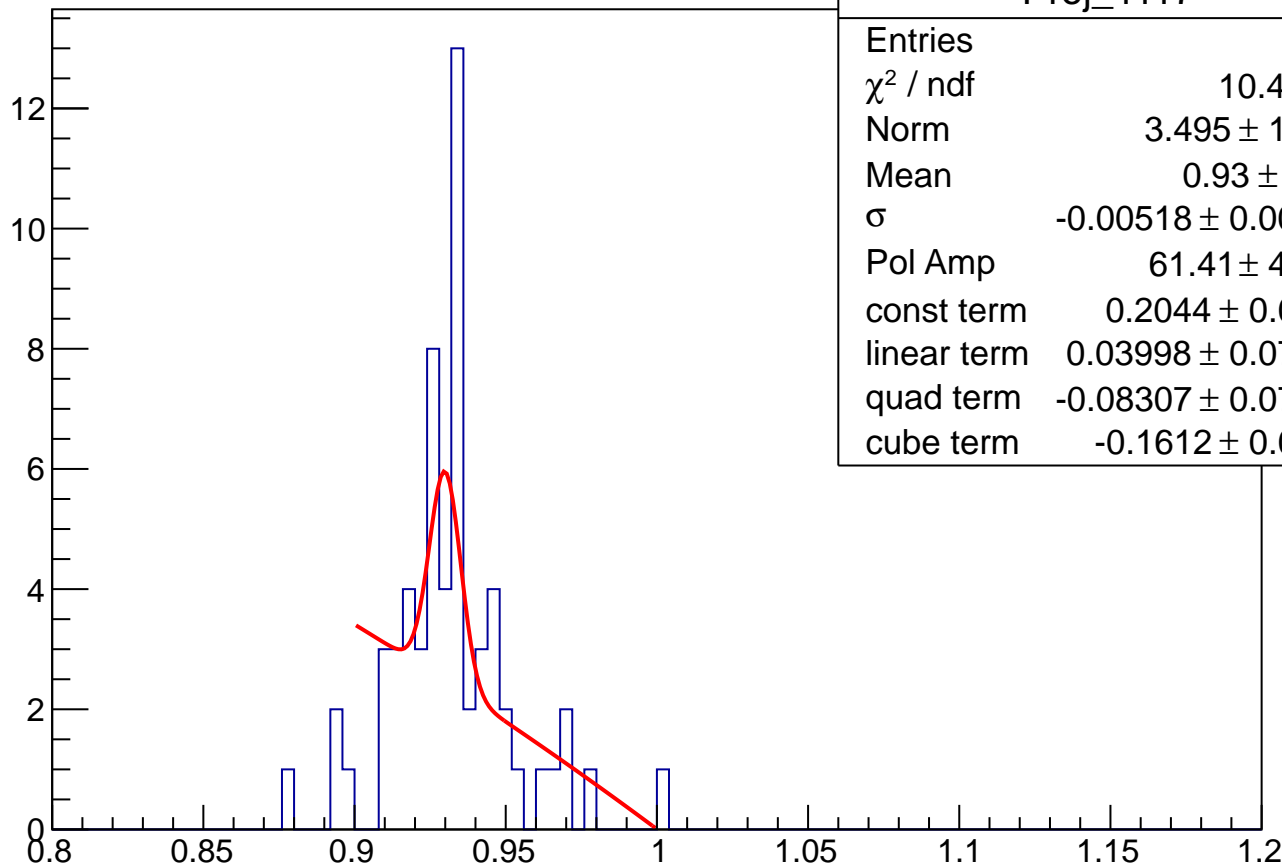
PhiThetaMassPip



PhiThetaMassPip



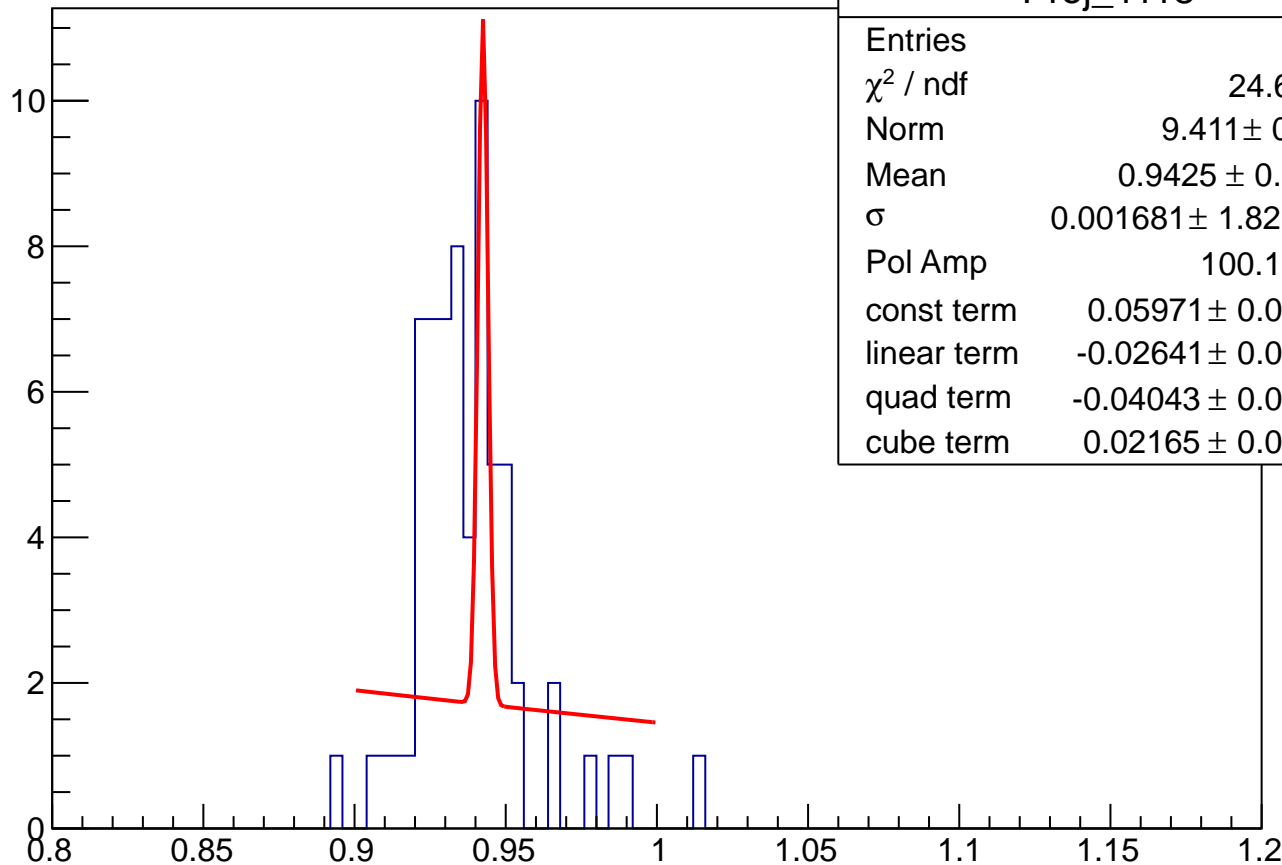
PhiThetaMassPip



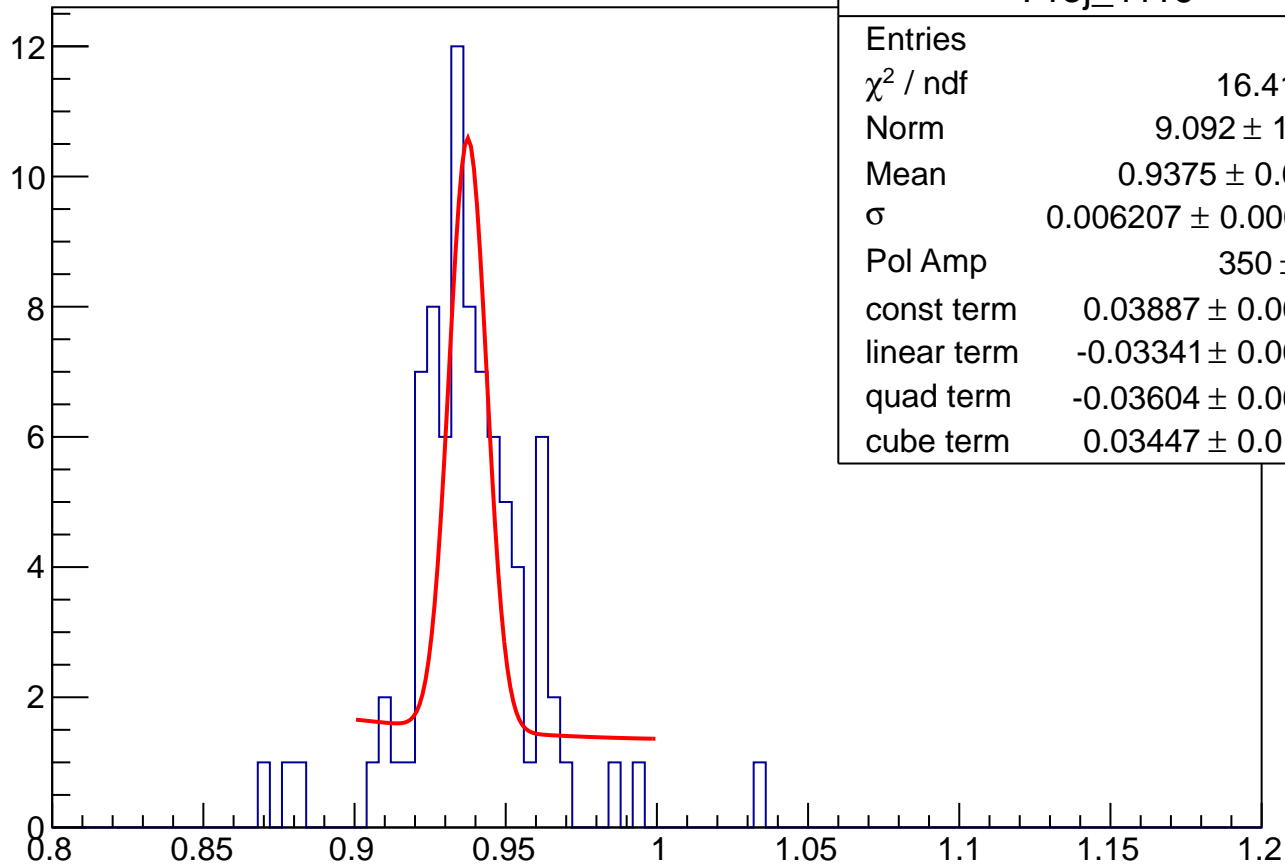
Proj_1117

Entries	60
χ^2 / ndf	10.47 / 8
Norm	3.495 ± 1.863
Mean	0.93 ± 0.00
σ	-0.00518 ± 0.00296
Pol Amp	61.41 ± 41.34
const term	0.2044 ± 0.0703
linear term	0.03998 ± 0.07303
quad term	-0.08307 ± 0.07552
cube term	-0.1612 ± 0.0778

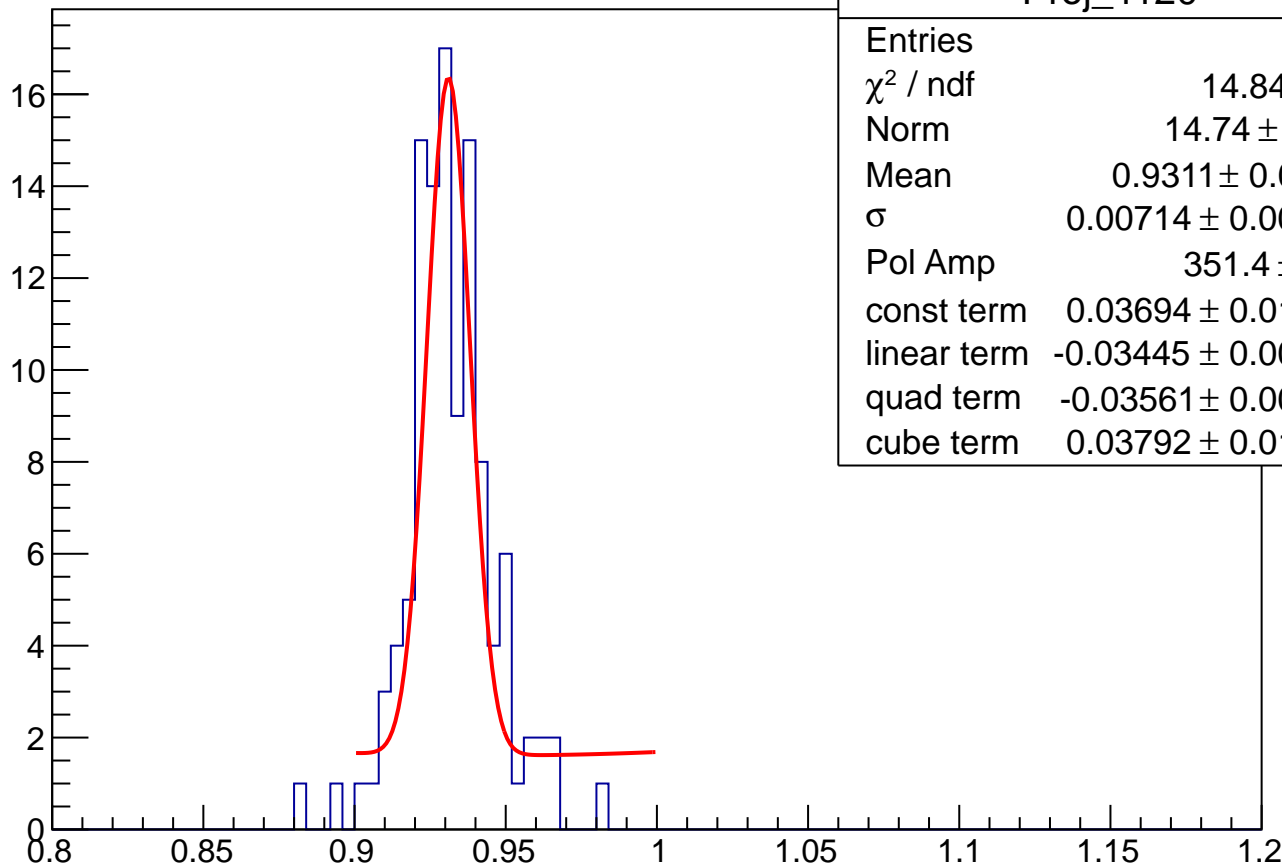
PhiThetaMassPip



PhiThetaMassPip



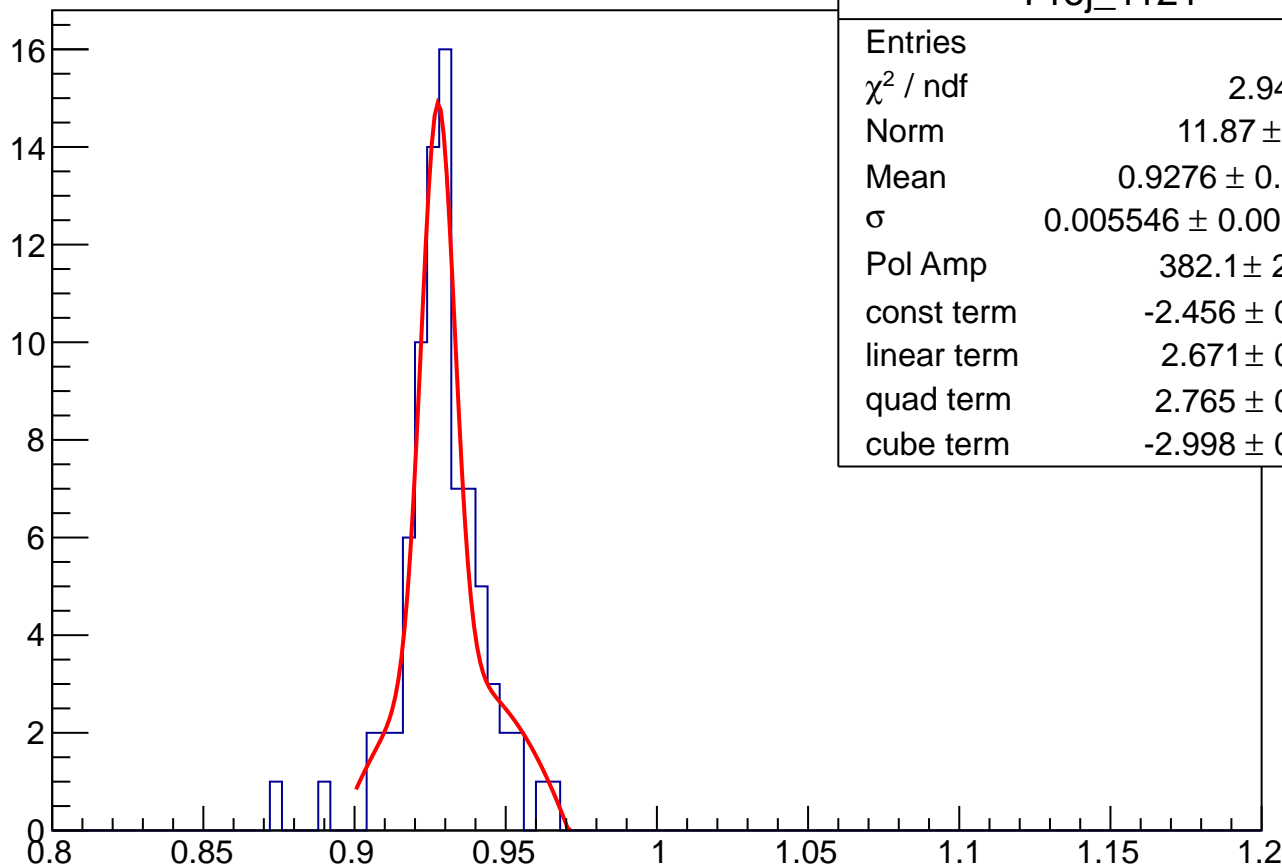
PhiThetaMassPip



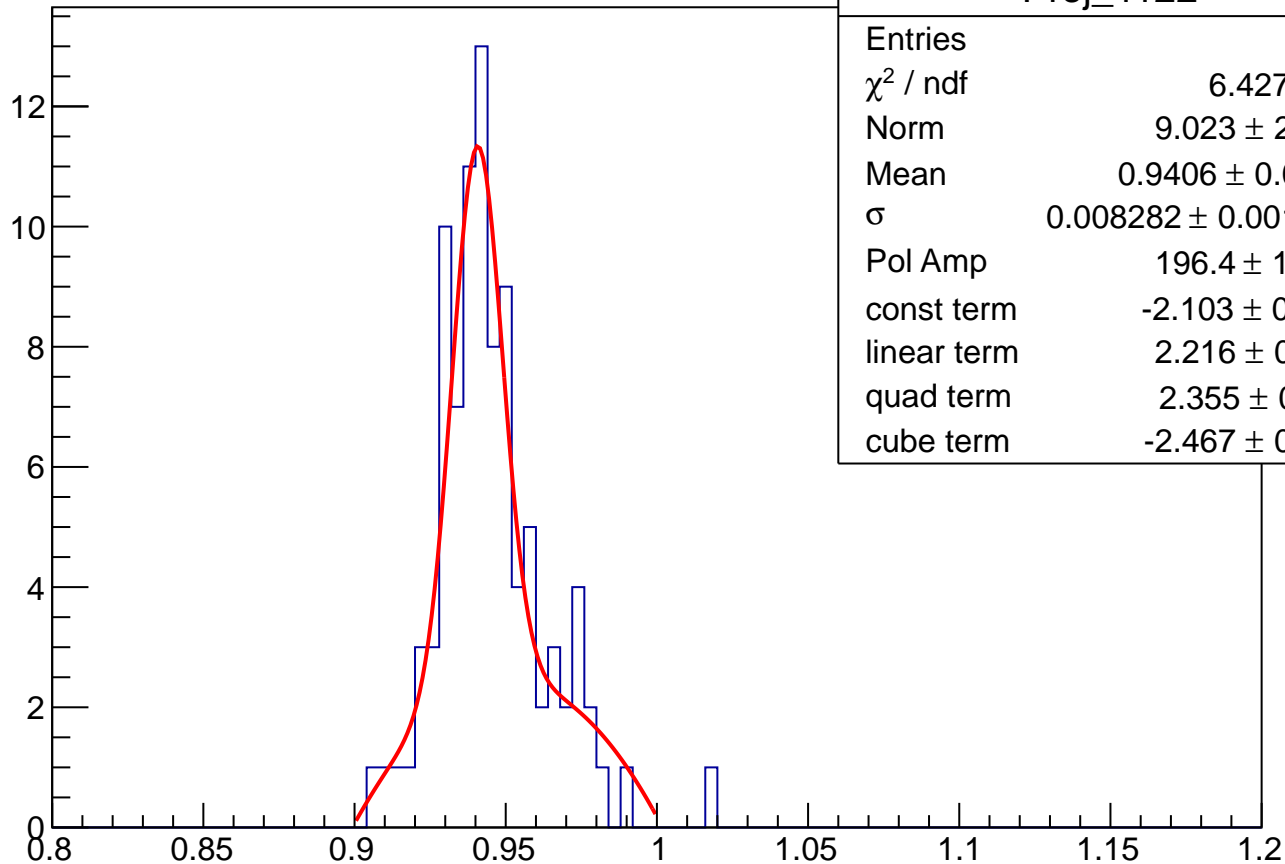
Proj_1120

Entries	112
χ^2 / ndf	14.84 / 10
Norm	14.74 ± 2.08
Mean	0.9311 ± 0.0000
σ	0.00714 ± 0.00000
Pol Amp	351.4 ± 0.0
const term	0.03694 ± 0.01050
linear term	-0.03445 ± 0.00388
quad term	-0.03561 ± 0.00398
cube term	0.03792 ± 0.01268

PhiThetaMassPip



PhiThetaMassPip



Proj_1122

Entries	93
χ^2 / ndf	6.427 / 13
Norm	9.023 ± 2.020
Mean	0.9406 ± 0.0018
σ	0.008282 ± 0.001765
Pol Amp	196.4 ± 156.5
const term	-2.103 ± 0.016
linear term	2.216 ± 0.020
quad term	2.355 ± 0.021
cube term	-2.467 ± 0.020

PhiThetaMassPip

