

















































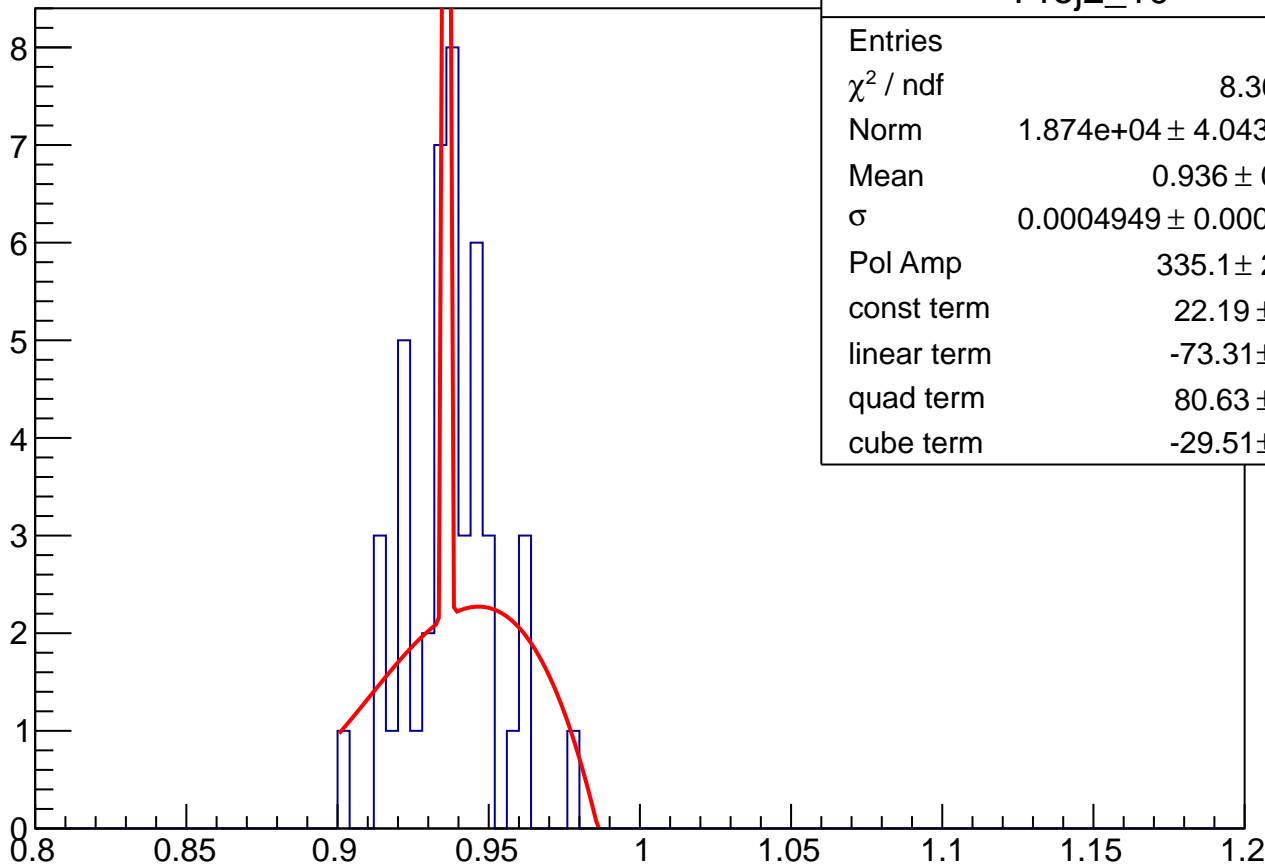






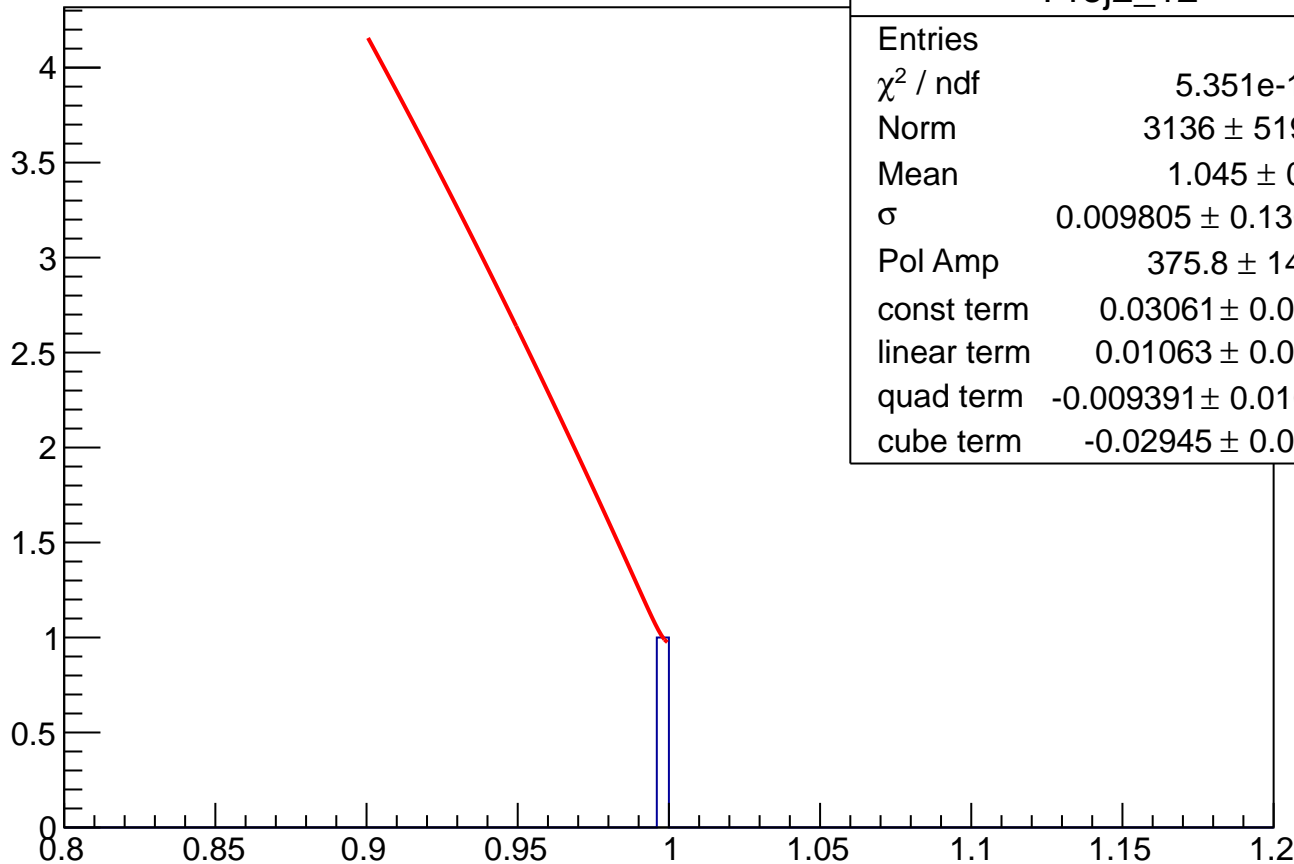
# PhiThetaMassPim

Proj2\_10





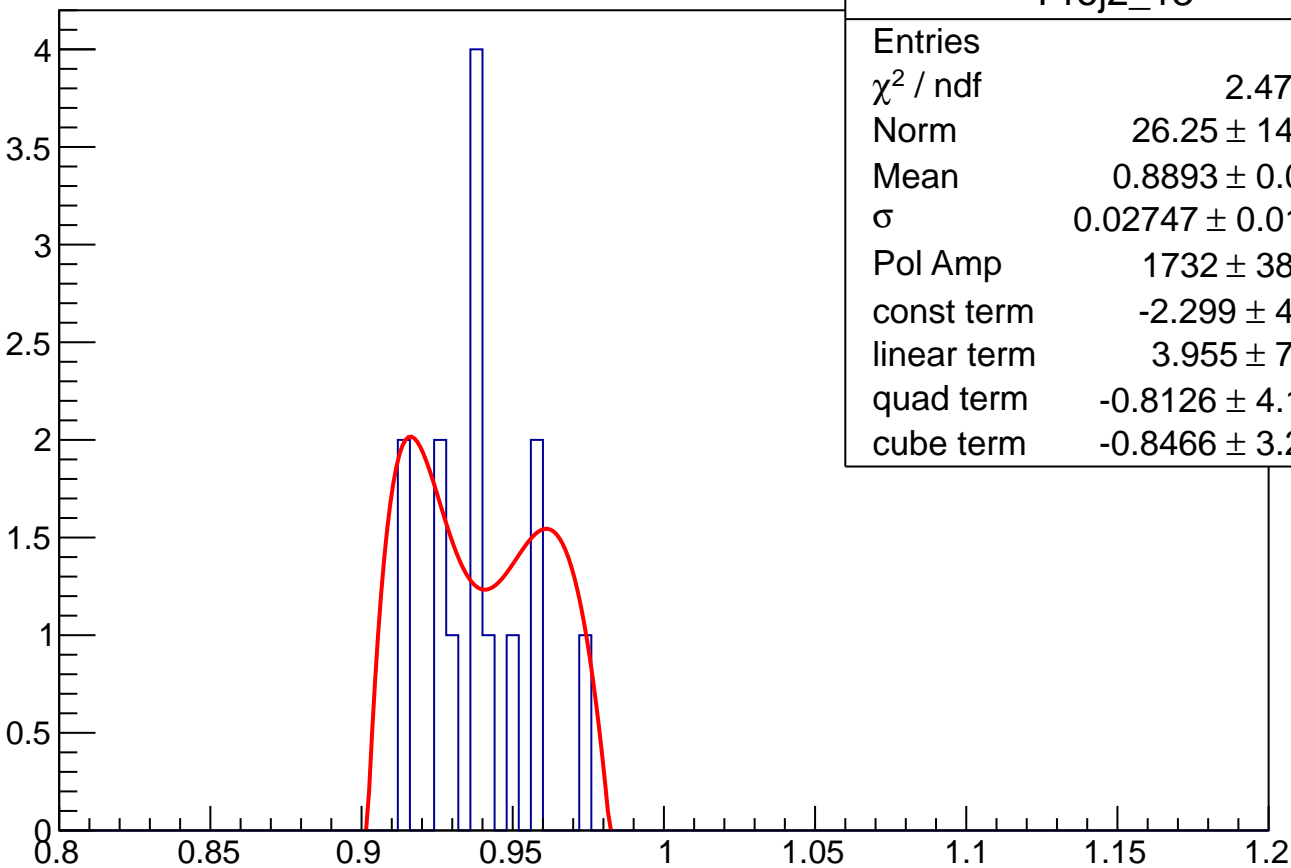
# PhiThetaMassPim



Proj2\_12

Entries	1
$\chi^2 / \text{ndf}$	5.351e-14 / 0
Norm	3136 $\pm$ 51951.1
Mean	1.045 $\pm$ 0.092
$\sigma$	0.009805 $\pm$ 0.130100
Pol Amp	375.8 $\pm$ 1451.6
const term	0.03061 $\pm$ 0.01002
linear term	0.01063 $\pm$ 0.01004
quad term	-0.009391 $\pm$ 0.010058
cube term	-0.02945 $\pm$ 0.01008

# PhiThetaMassPim

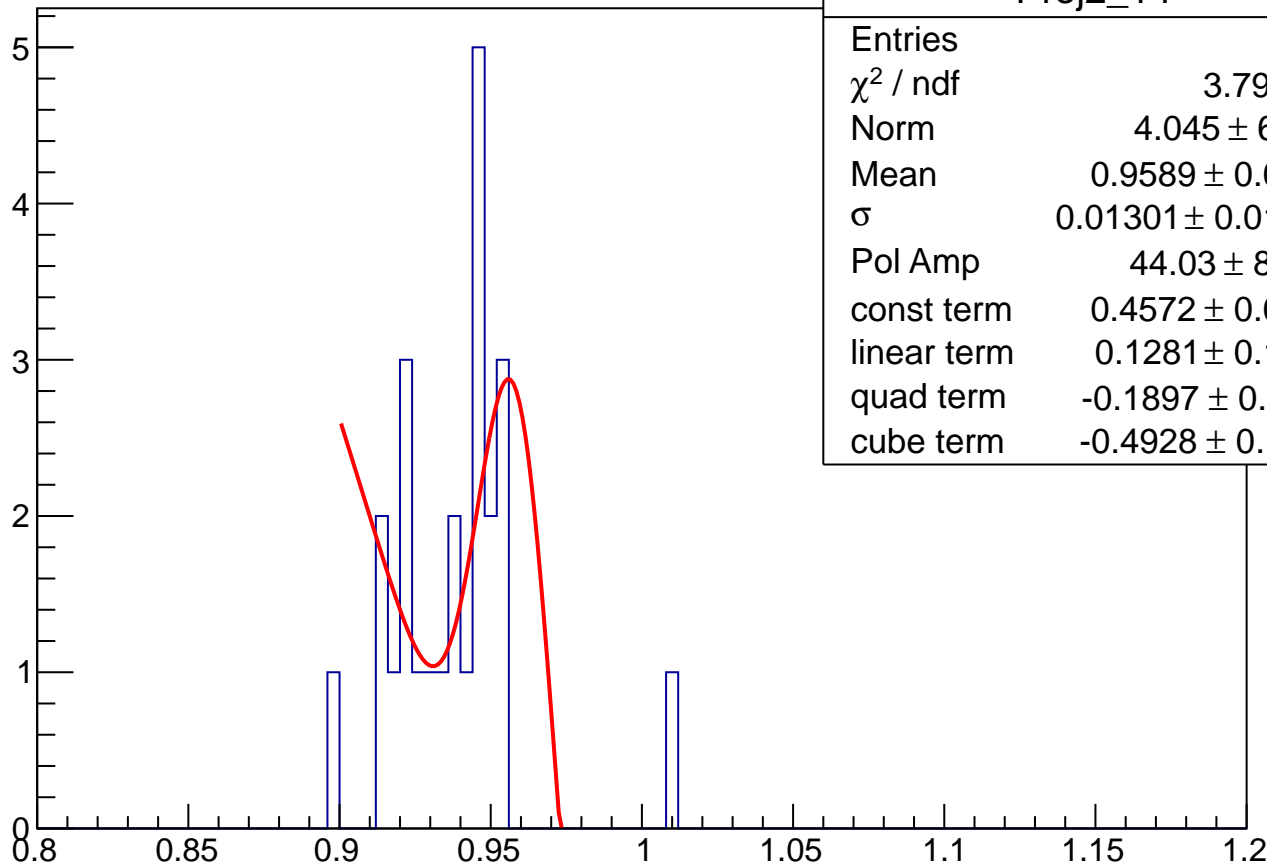


Proj2\_13

Entries	14
$\chi^2 / \text{ndf}$	2.478 / 0
Norm	$26.25 \pm 144.83$
Mean	$0.8893 \pm 0.0847$
$\sigma$	$0.02747 \pm 0.01235$
Pol Amp	$1732 \pm 3816.8$
const term	$-2.299 \pm 4.450$
linear term	$3.955 \pm 7.077$
quad term	$-0.8126 \pm 4.1224$
cube term	$-0.8466 \pm 3.2618$

# PhiThetaMassPim

Proj2\_14

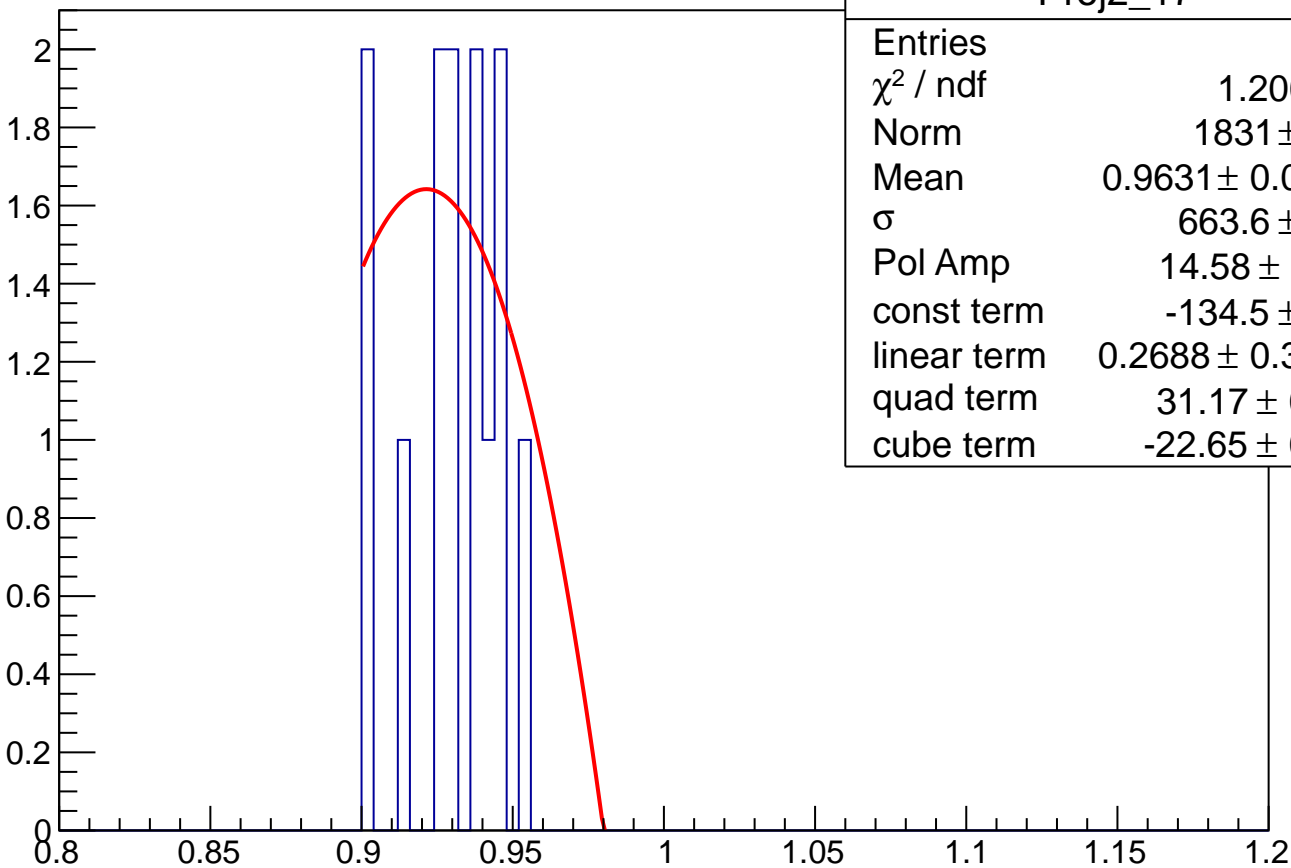


Entries	24
$\chi^2 / \text{ndf}$	3.794 / 3
Norm	$4.045 \pm 6.581$
Mean	$0.9589 \pm 0.0250$
$\sigma$	$0.01301 \pm 0.01780$
Pol Amp	$44.03 \pm 86.19$
const term	$0.4572 \pm 0.0932$
linear term	$0.1281 \pm 0.1000$
quad term	$-0.1897 \pm 0.1071$
cube term	$-0.4928 \pm 0.1148$





# PhiThetaMassPim

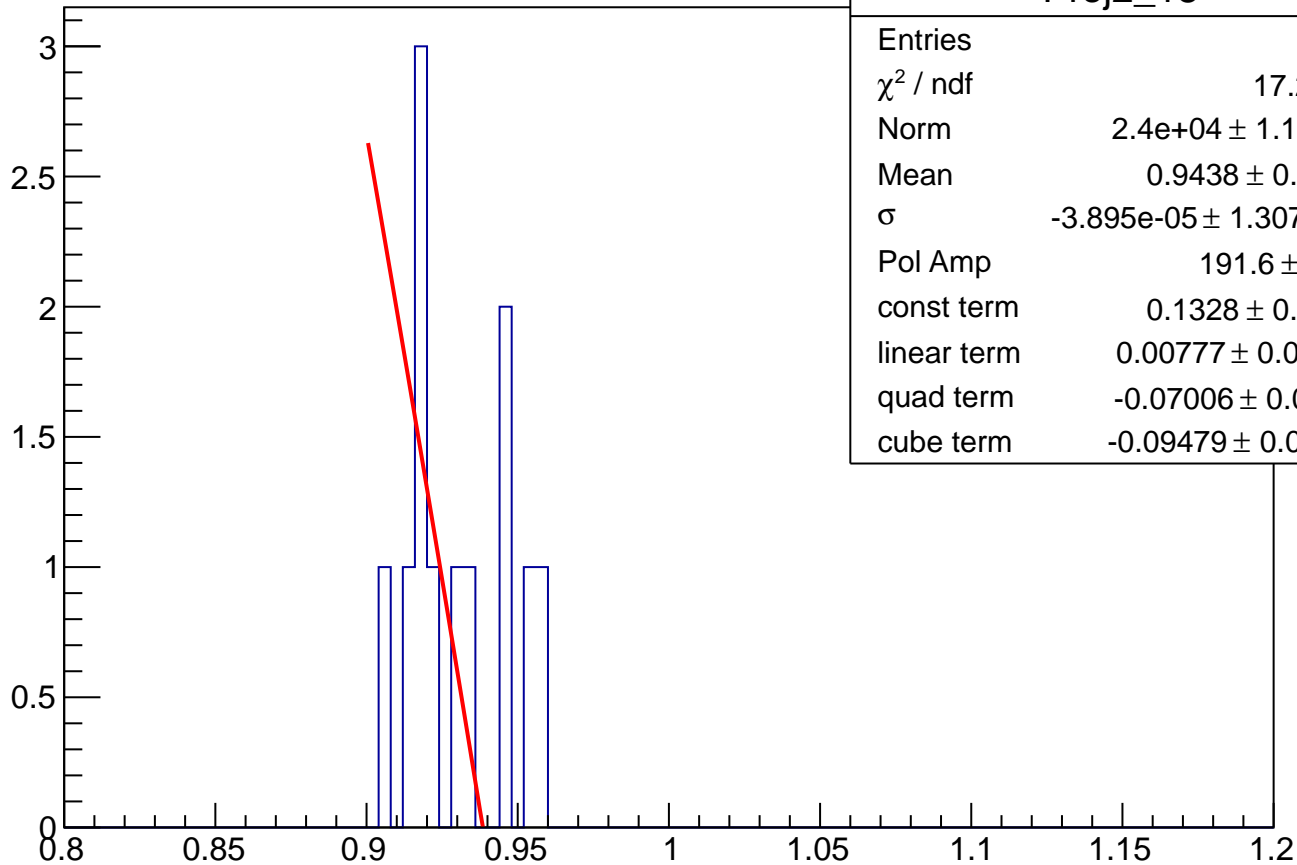


Proj2\_17

Entries	13
$\chi^2 / \text{ndf}$	1.206 / 0
Norm	$1831 \pm 4.9$
Mean	$0.9631 \pm 0.0824$
$\sigma$	$663.6 \pm 1.4$
Pol Amp	$14.58 \pm 0.04$
const term	$-134.5 \pm 0.3$
linear term	$0.2688 \pm 0.3556$
quad term	$31.17 \pm 0.37$
cube term	$-22.65 \pm 0.37$



# PhiThetaMassPim



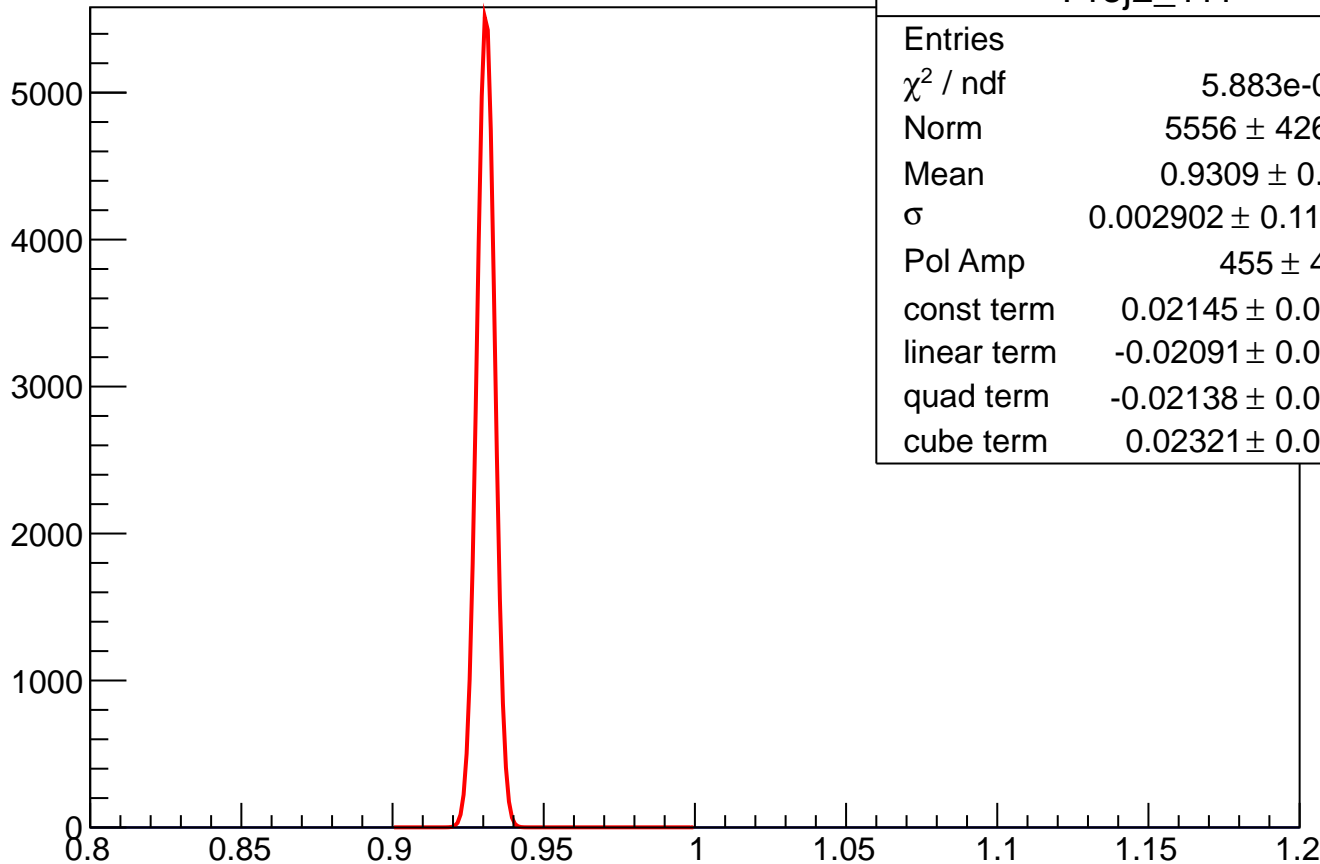
Proj2\_18

Entries	12
$\chi^2 / \text{ndf}$	17.23 / 1
Norm	$2.4\text{e}+04 \pm 1.1\text{e}+04$
Mean	$0.9438 \pm 0.0795$
$\sigma$	$-3.895\text{e}-05 \pm 1.307\text{e}-07$
Pol Amp	$191.6 \pm 29.8$
const term	$0.1328 \pm 0.0010$
linear term	$0.00777 \pm 0.00104$
quad term	$-0.07006 \pm 0.00111$
cube term	$-0.09479 \pm 0.00119$





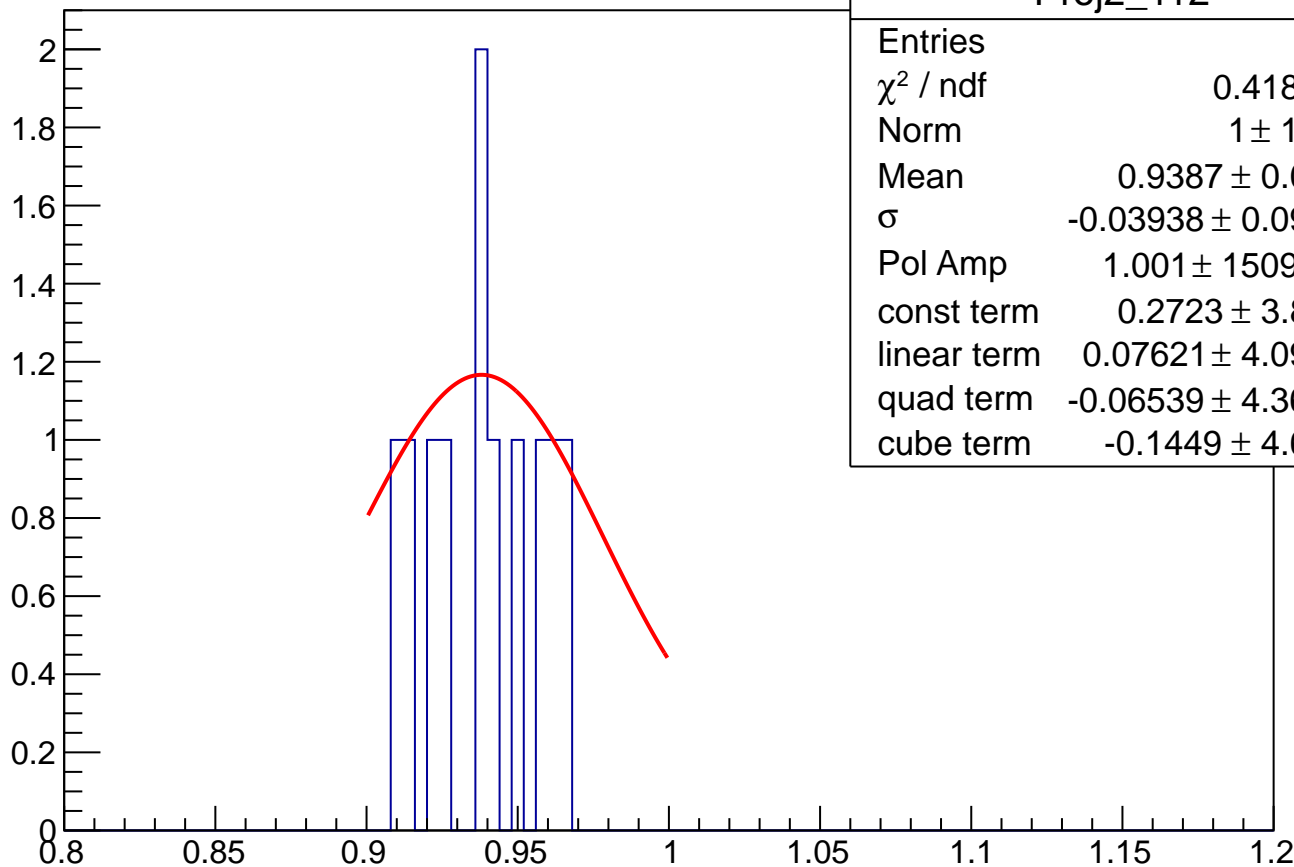
# PhiThetaMassPim



Proj2\_111

Entries	4
$\chi^2 / \text{ndf}$	5.883e-06 / 0
Norm	$5556 \pm 42621.0$
Mean	$0.9309 \pm 0.0681$
$\sigma$	$0.002902 \pm 0.119542$
Pol Amp	$455 \pm 480.5$
const term	$0.02145 \pm 0.00232$
linear term	$-0.02091 \pm 0.00246$
quad term	$-0.02138 \pm 0.00260$
cube term	$0.02321 \pm 0.00275$

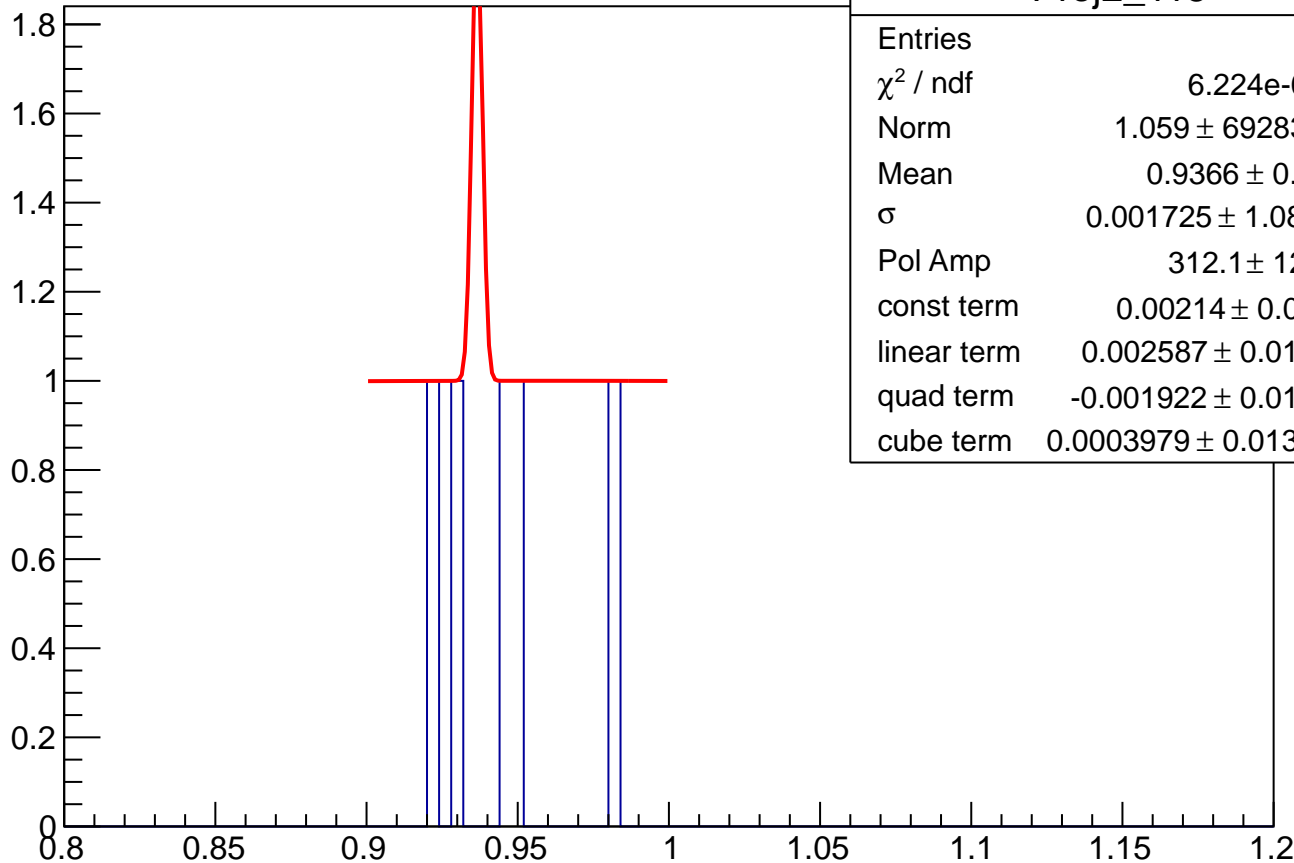
# PhiThetaMassPim







# PhiThetaMassPim

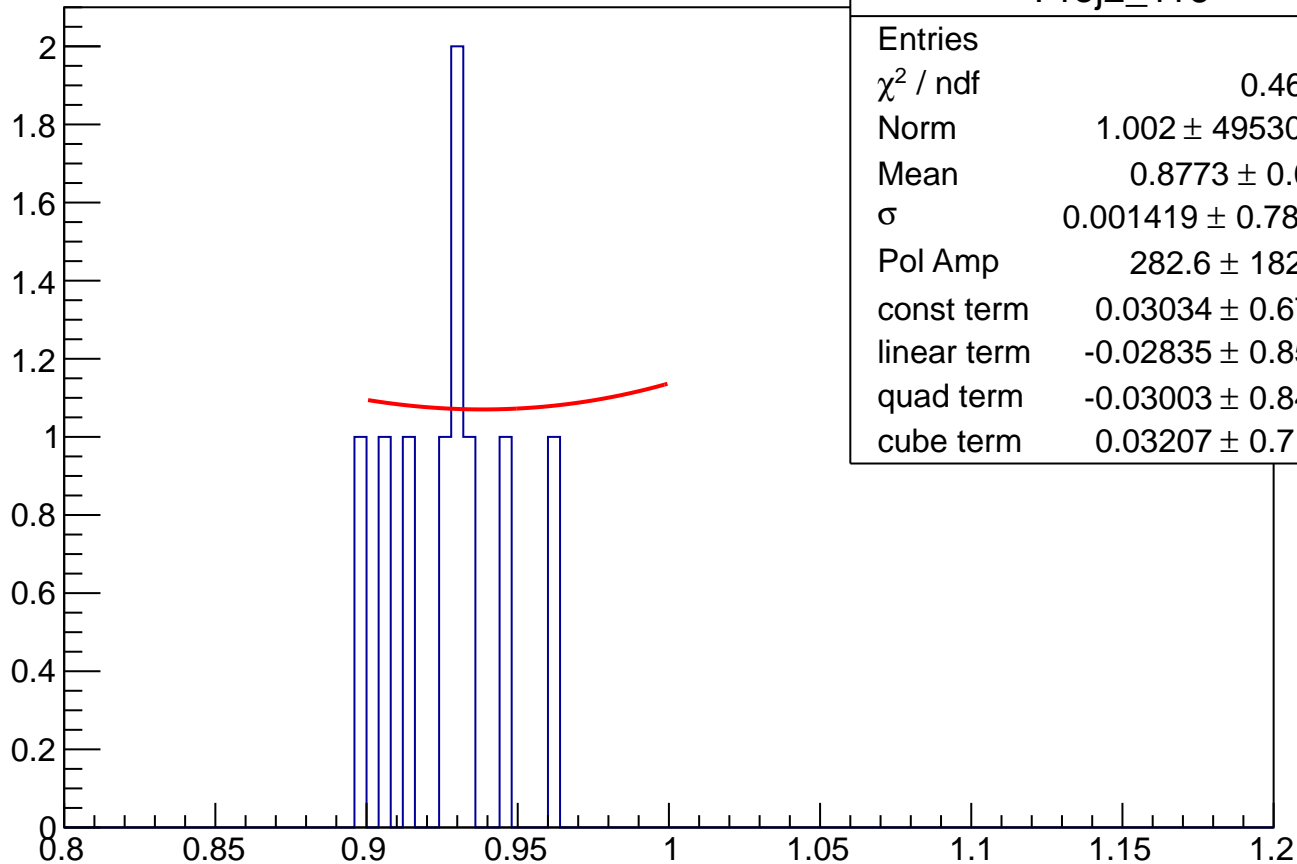


Proj2\_115

Entries	5
$\chi^2 / \text{ndf}$	6.224e-07 / 0
Norm	$1.059 \pm 69283.555$
Mean	$0.9366 \pm 0.0633$
$\sigma$	$0.001725 \pm 1.088461$
Pol Amp	$312.1 \pm 1208.5$
const term	$0.00214 \pm 0.01203$
linear term	$0.002587 \pm 0.012674$
quad term	$-0.001922 \pm 0.013278$
cube term	$0.0003979 \pm 0.0138166$



# PhiThetaMassPim



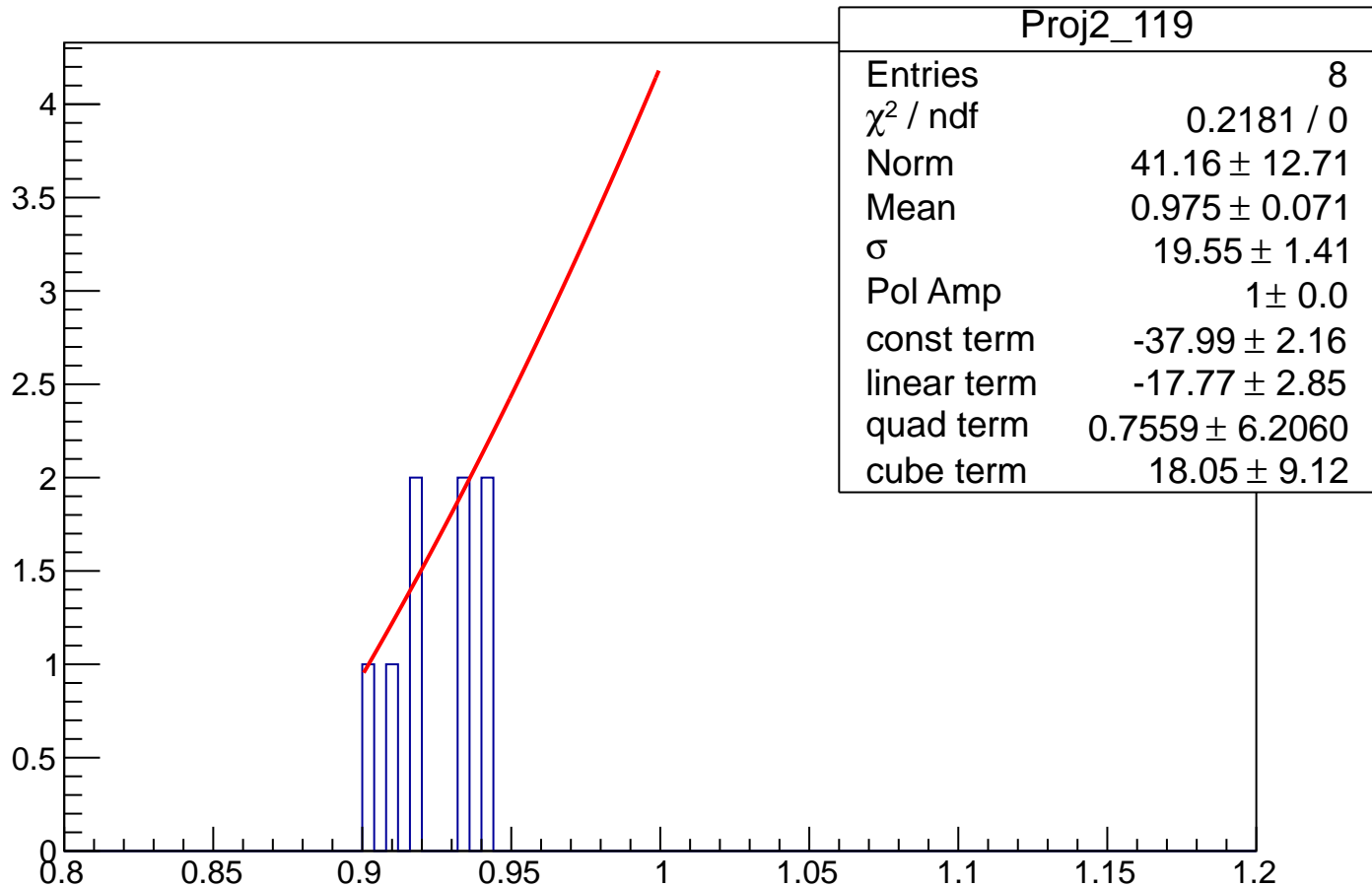
Proj2\_116

Entries	9
$\chi^2 / \text{ndf}$	0.467 / 0
Norm	$1.002 \pm 49530.059$
Mean	$0.8773 \pm 0.0935$
$\sigma$	$0.001419 \pm 0.784601$
Pol Amp	$282.6 \pm 18204.8$
const term	$0.03034 \pm 0.67354$
linear term	$-0.02835 \pm 0.85576$
quad term	$-0.03003 \pm 0.84699$
cube term	$0.03207 \pm 0.71348$

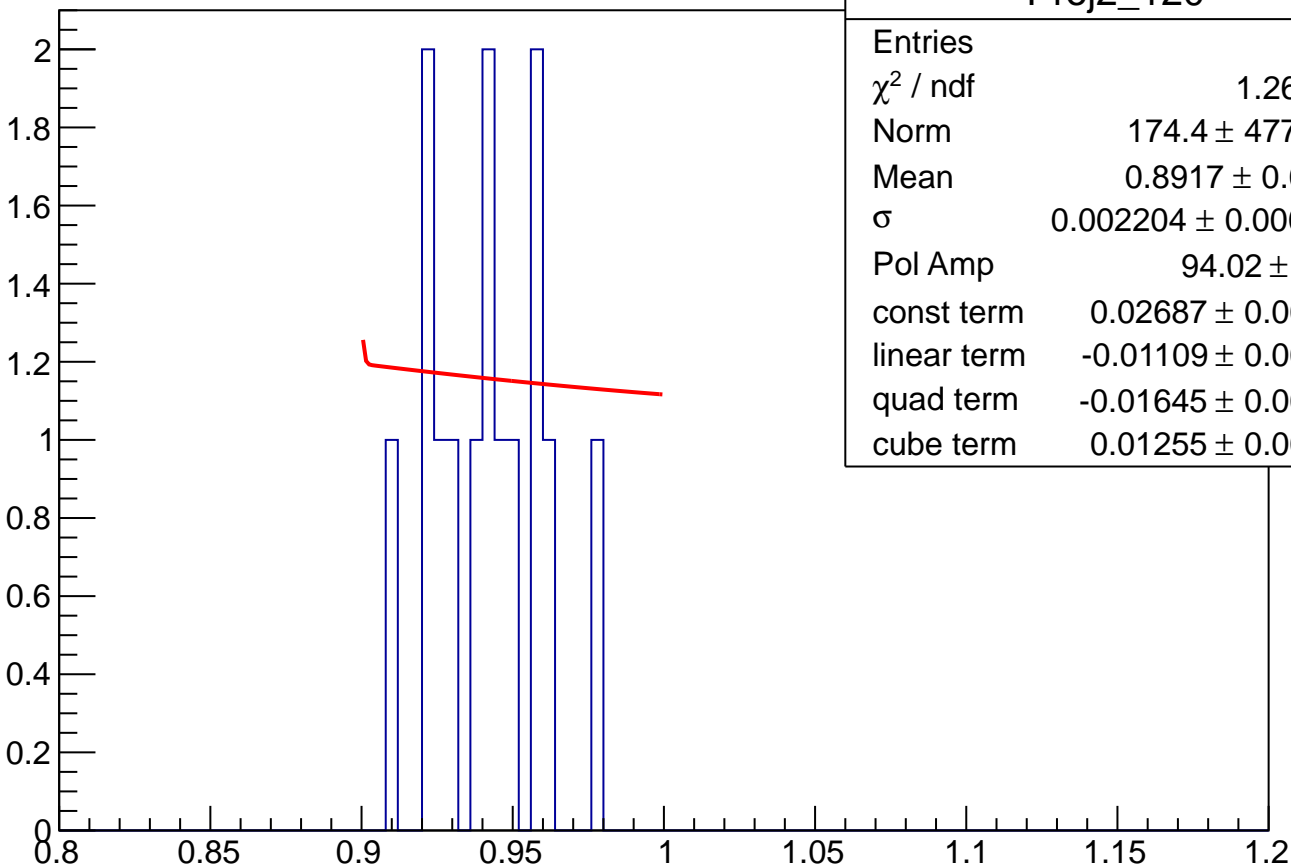




# PhiThetaMassPim



# PhiThetaMassPim



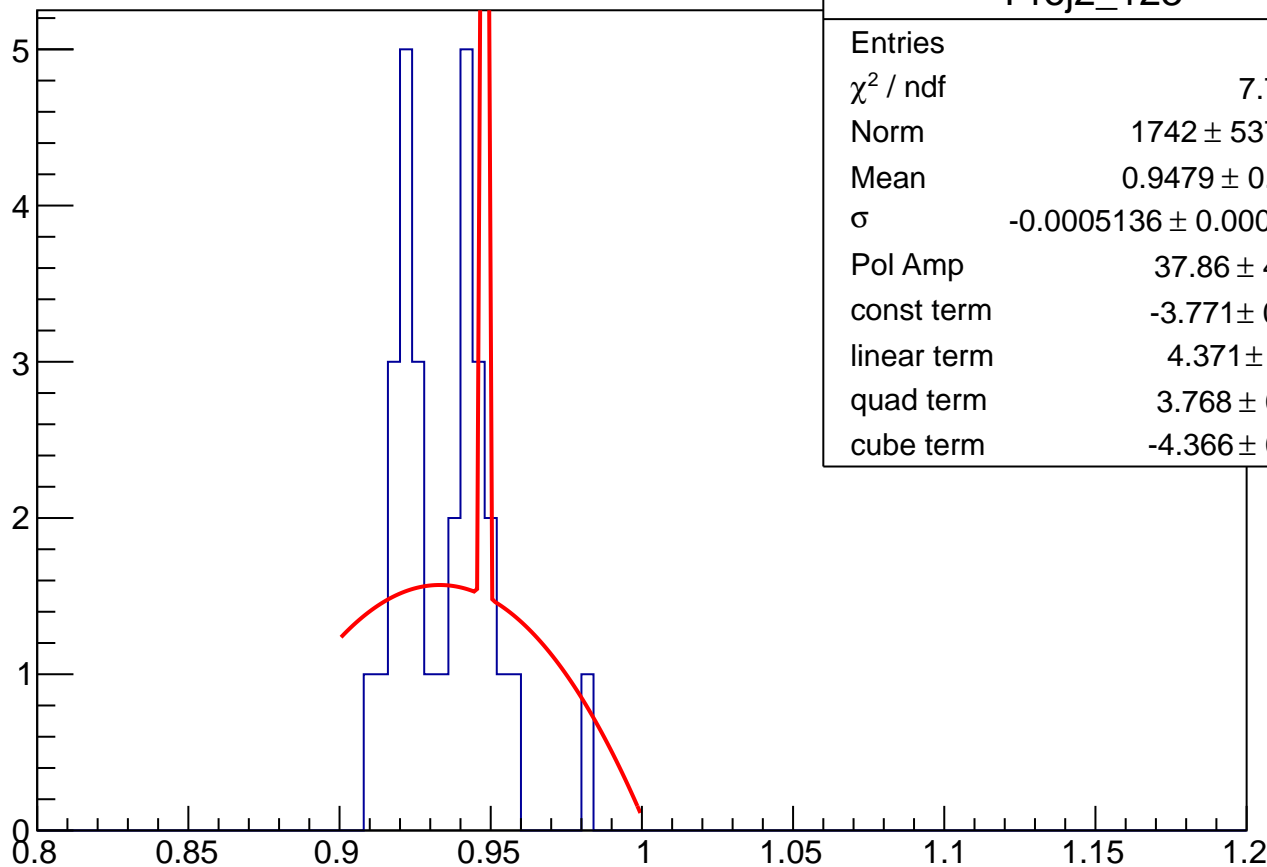
Proj2\_120

Entries	14
$\chi^2 / \text{ndf}$	1.263 / 3
Norm	$174.4 \pm 47754.2$
Mean	$0.8917 \pm 0.0003$
$\sigma$	$0.002204 \pm 0.000726$
Pol Amp	$94.02 \pm 0.02$
const term	$0.02687 \pm 0.00000$
linear term	$-0.01109 \pm 0.00000$
quad term	$-0.01645 \pm 0.00000$
cube term	$0.01255 \pm 0.00000$



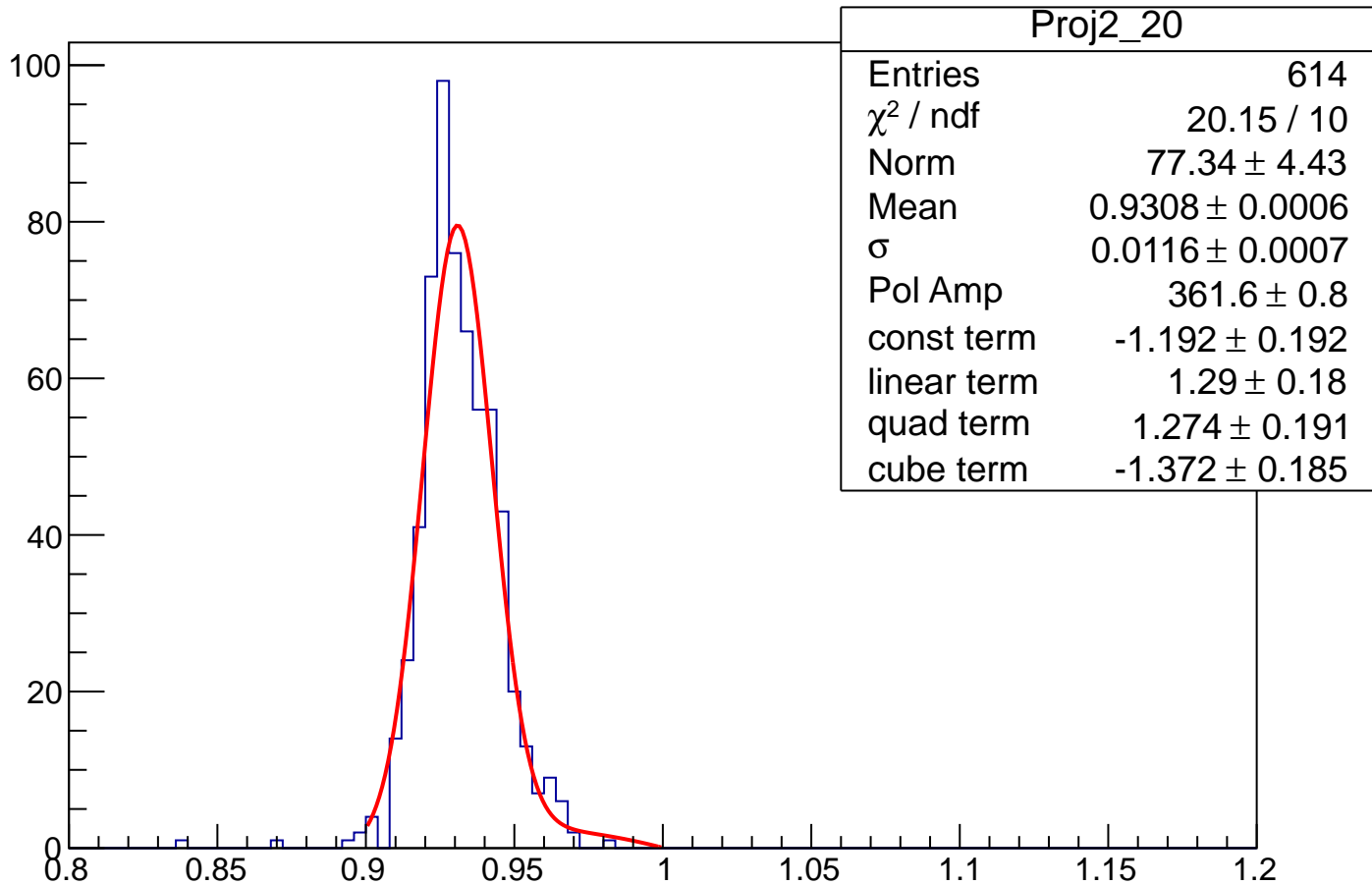


# PhiThetaMassPim

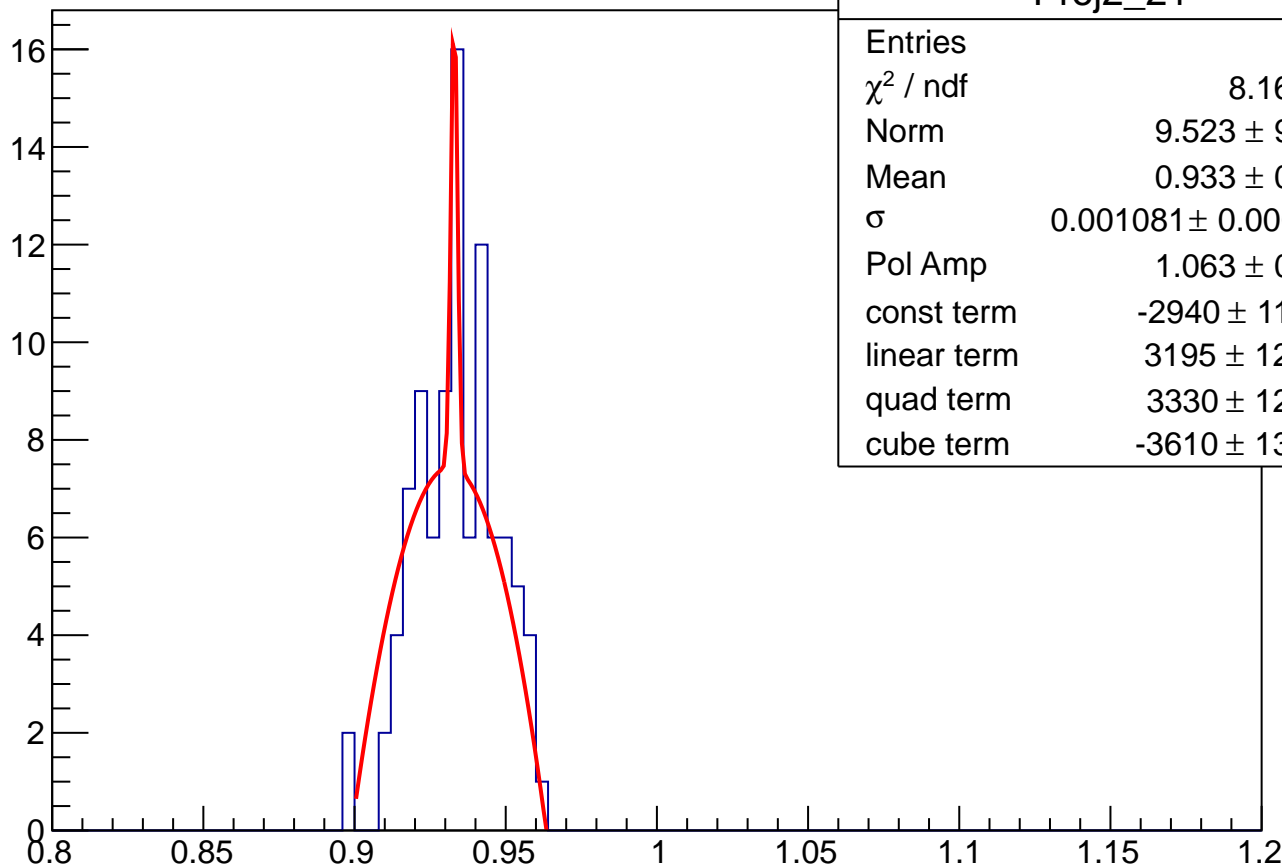




# PhiThetaMassPim

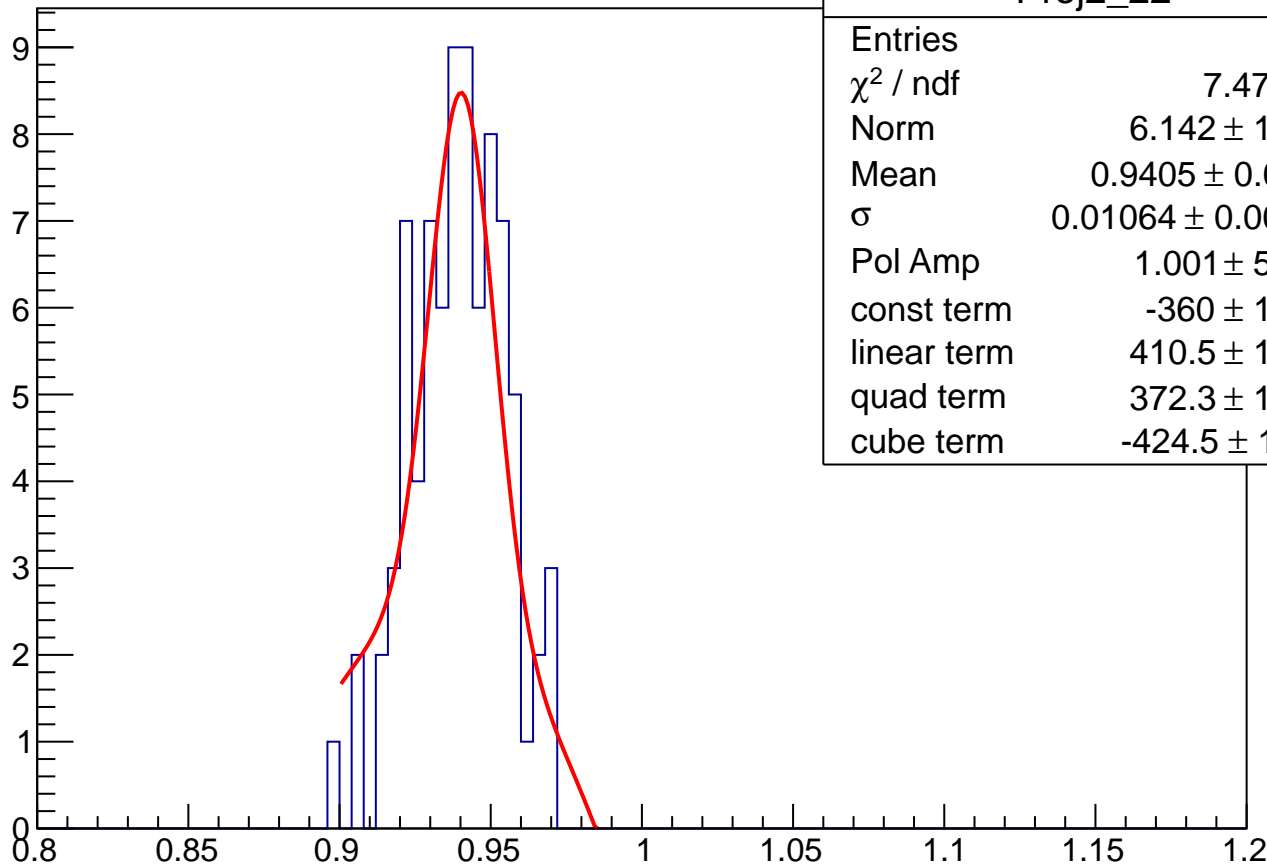


# PhiThetaMassPim

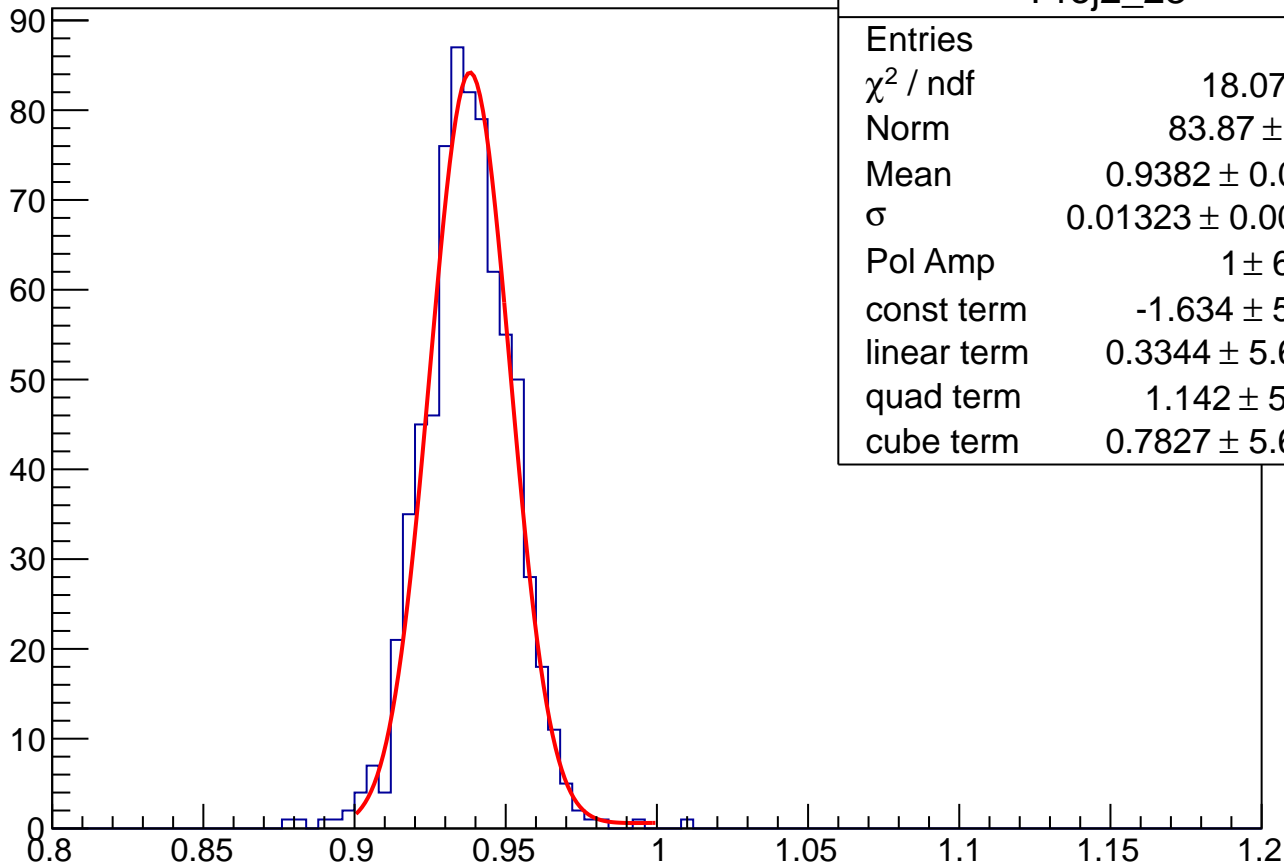


# PhiThetaMassPim

Proj2\_22



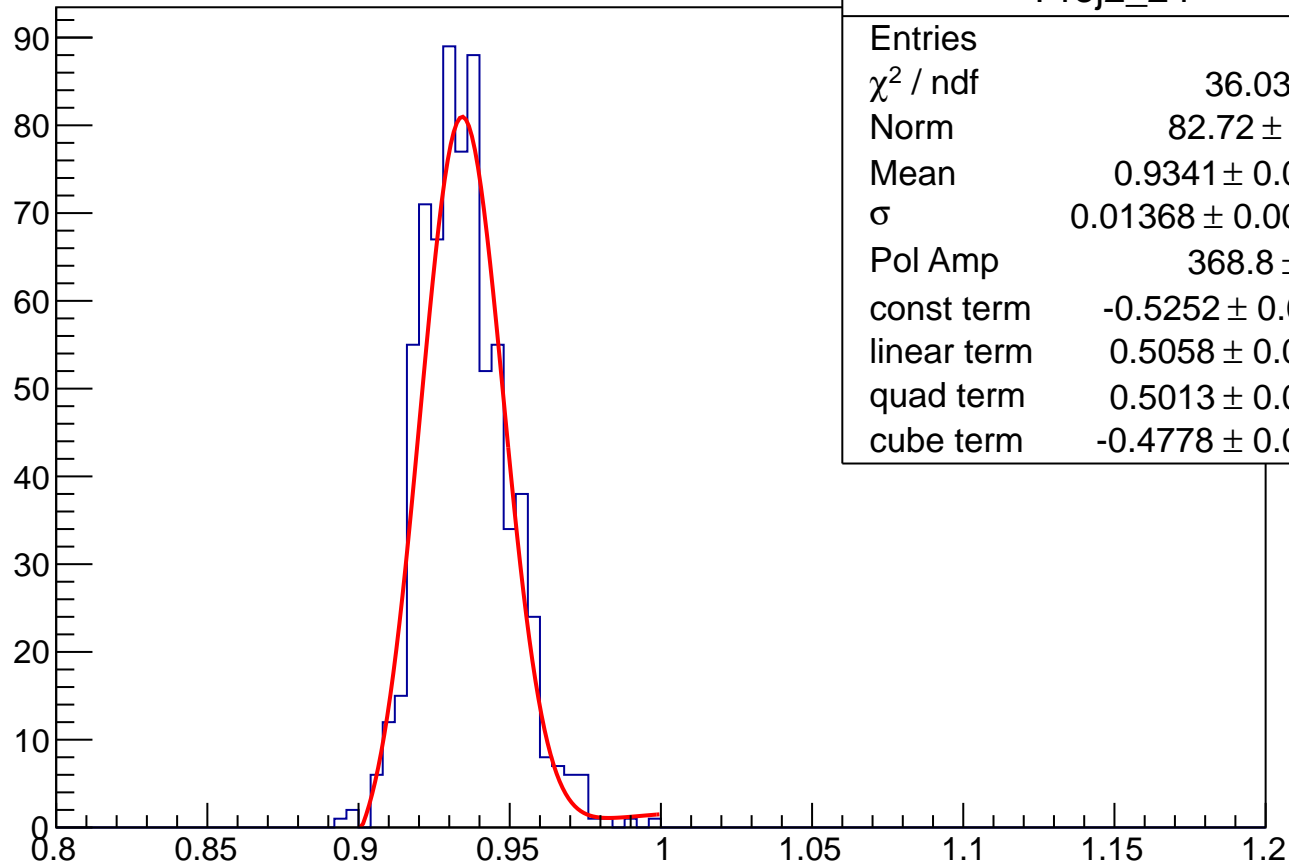
# PhiThetaMassPim



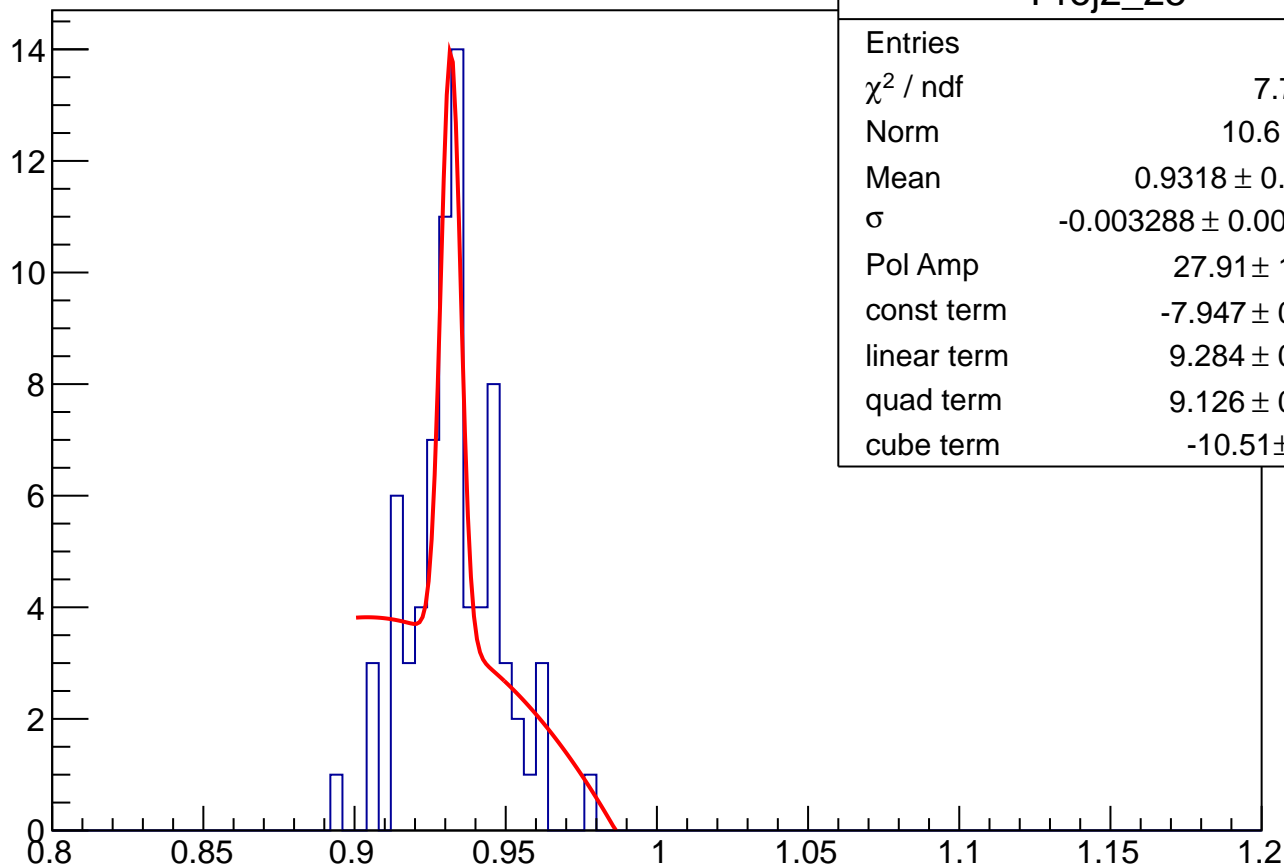
Proj2\_23

Entries	727
$\chi^2 / \text{ndf}$	18.07 / 14
Norm	$83.87 \pm 3.91$
Mean	$0.9382 \pm 0.0005$
$\sigma$	$0.01323 \pm 0.00049$
Pol Amp	$1 \pm 610.1$
const term	$-1.634 \pm 5.141$
linear term	$0.3344 \pm 5.6738$
quad term	$1.142 \pm 5.820$
cube term	$0.7827 \pm 5.6018$

# PhiThetaMassPim



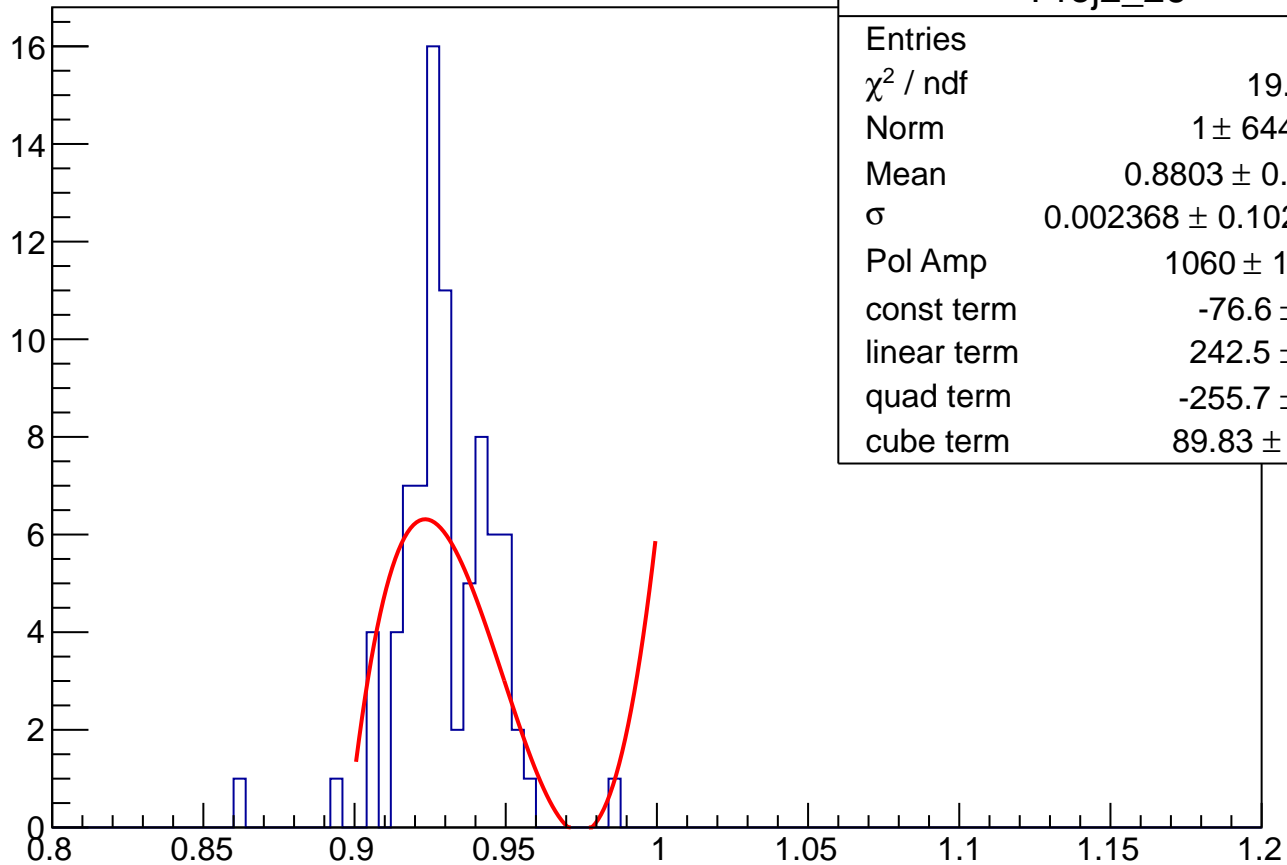
# PhiThetaMassPim



Proj2\_25

Entries	75
$\chi^2 / \text{ndf}$	7.78 / 7
Norm	$10.6 \pm 3.8$
Mean	$0.9318 \pm 0.0013$
$\sigma$	$-0.003288 \pm 0.001292$
Pol Amp	$27.91 \pm 14.06$
const term	$-7.947 \pm 0.192$
linear term	$9.284 \pm 0.202$
quad term	$9.126 \pm 0.209$
cube term	$-10.51 \pm 0.21$

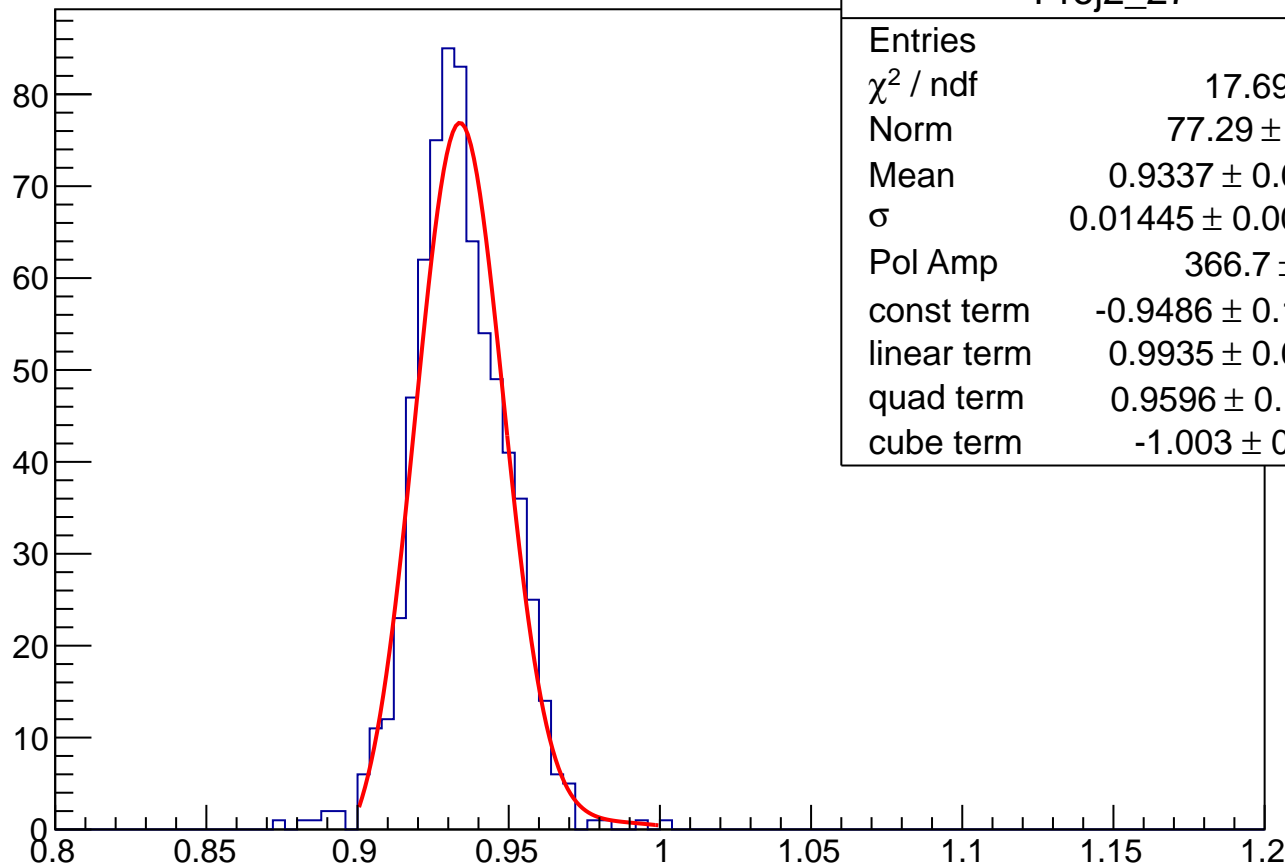
# PhiThetaMassPim



Proj2\_26

Entries	82
$\chi^2 / \text{ndf}$	19.9 / 6
Norm	$1 \pm 64497.1$
Mean	$0.8803 \pm 0.0711$
$\sigma$	$0.002368 \pm 0.102610$
Pol Amp	$1060 \pm 136.7$
const term	$-76.6 \pm 0.0$
linear term	$242.5 \pm 0.0$
quad term	$-255.7 \pm 0.0$
cube term	$89.83 \pm 0.00$

# PhiThetaMassPim

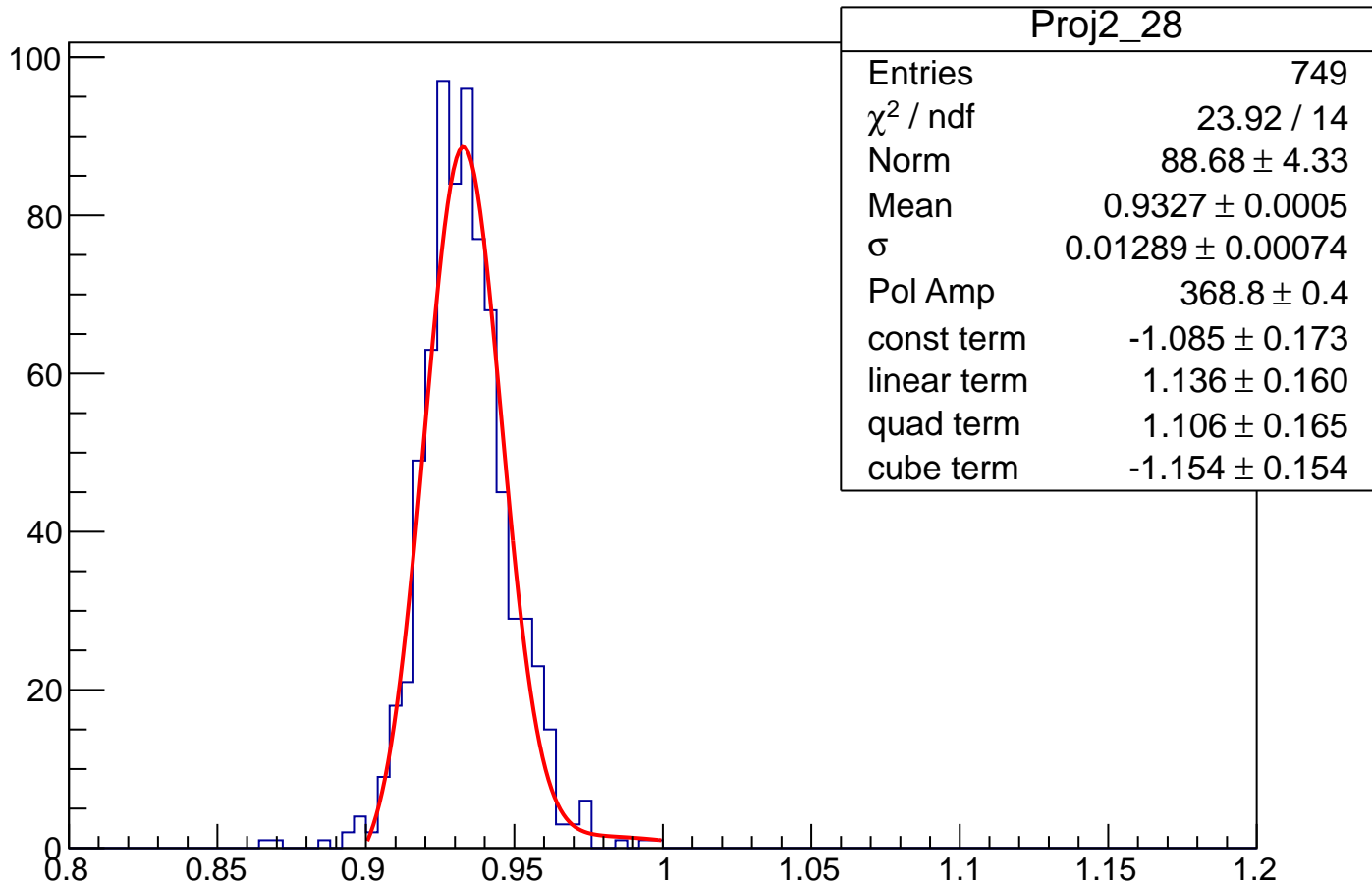


Proj2\_27

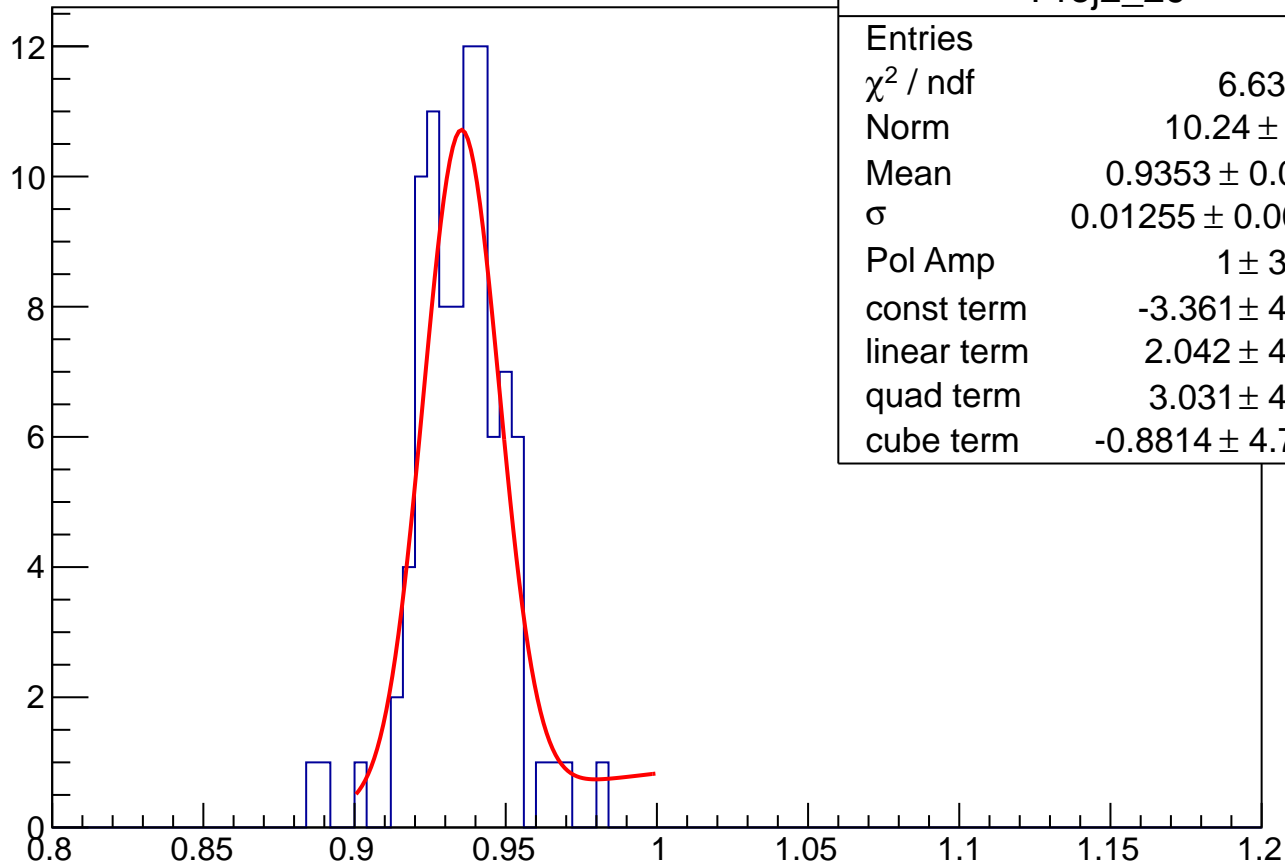
Entries	709
$\chi^2 / \text{ndf}$	17.69 / 13
Norm	$77.29 \pm 4.04$
Mean	$0.9337 \pm 0.0007$
$\sigma$	$0.01445 \pm 0.00092$
Pol Amp	$366.7 \pm 0.5$
const term	$-0.9486 \pm 0.1328$
linear term	$0.9935 \pm 0.0978$
quad term	$0.9596 \pm 0.1126$
cube term	$-1.003 \pm 0.085$



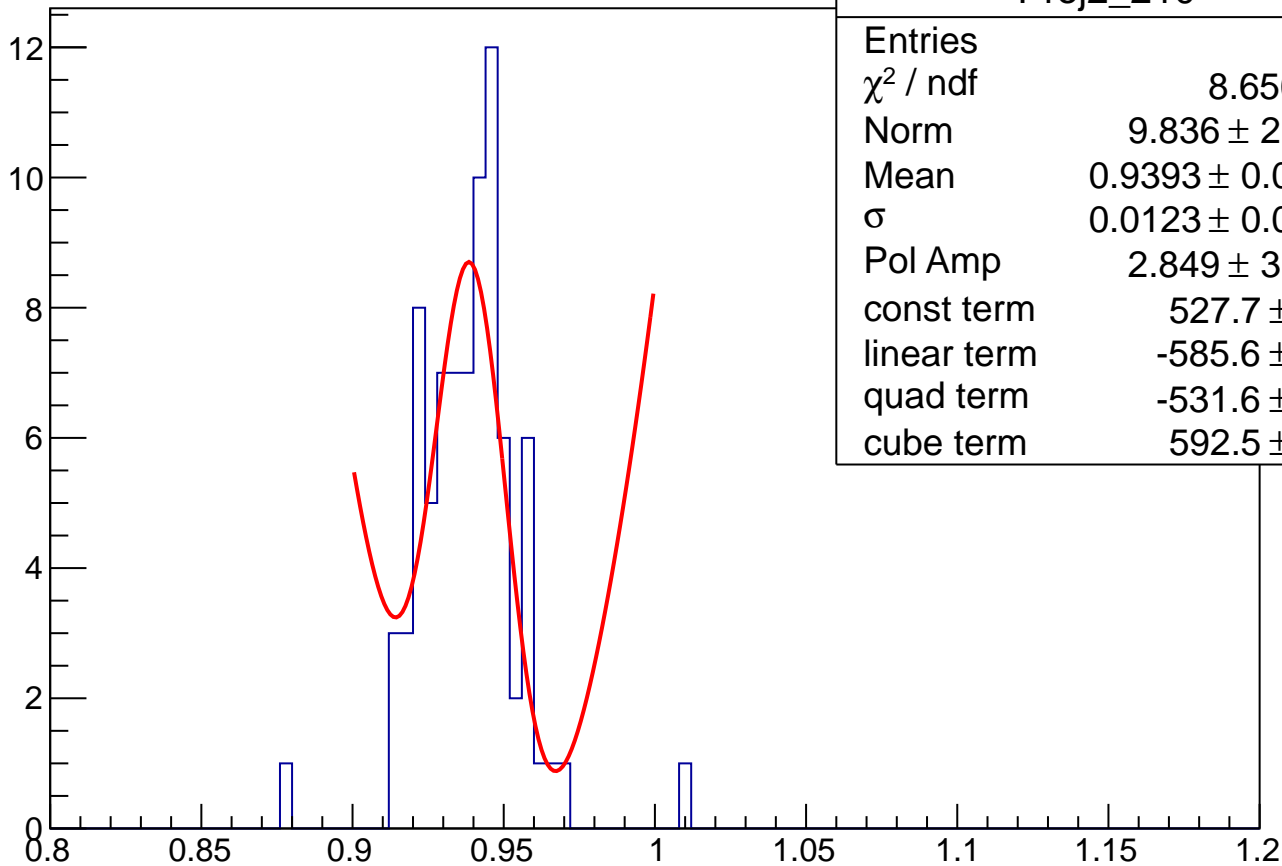
# PhiThetaMassPim



# PhiThetaMassPim



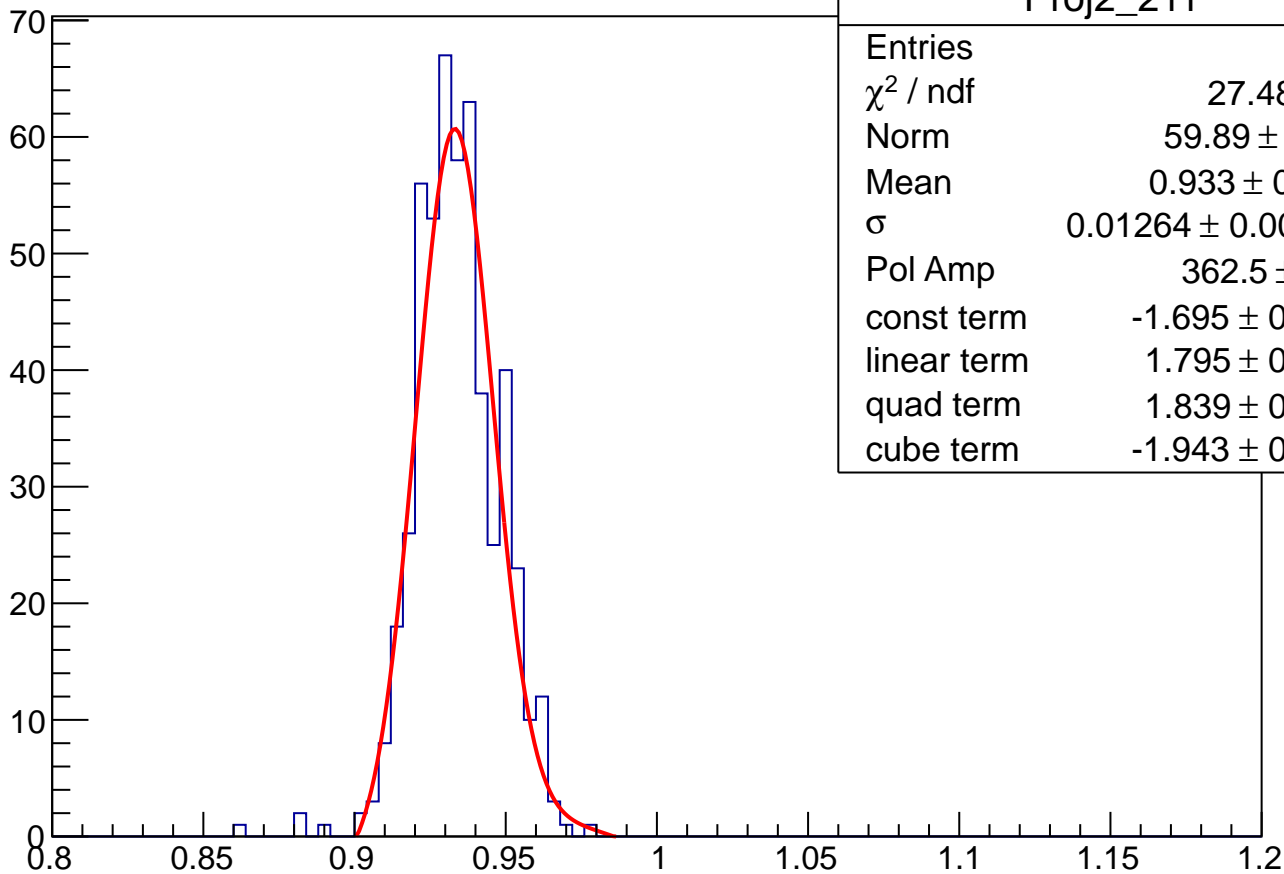
# PhiThetaMassPim



Proj2\_210

Entries	81
$\chi^2 / \text{ndf}$	8.656 / 7
Norm	$9.836 \pm 2.754$
Mean	$0.9393 \pm 0.0028$
$\sigma$	$0.0123 \pm 0.0029$
Pol Amp	$2.849 \pm 3.026$
const term	$527.7 \pm 1.8$
linear term	$-585.6 \pm 1.8$
quad term	$-531.6 \pm 1.9$
cube term	$592.5 \pm 2.0$

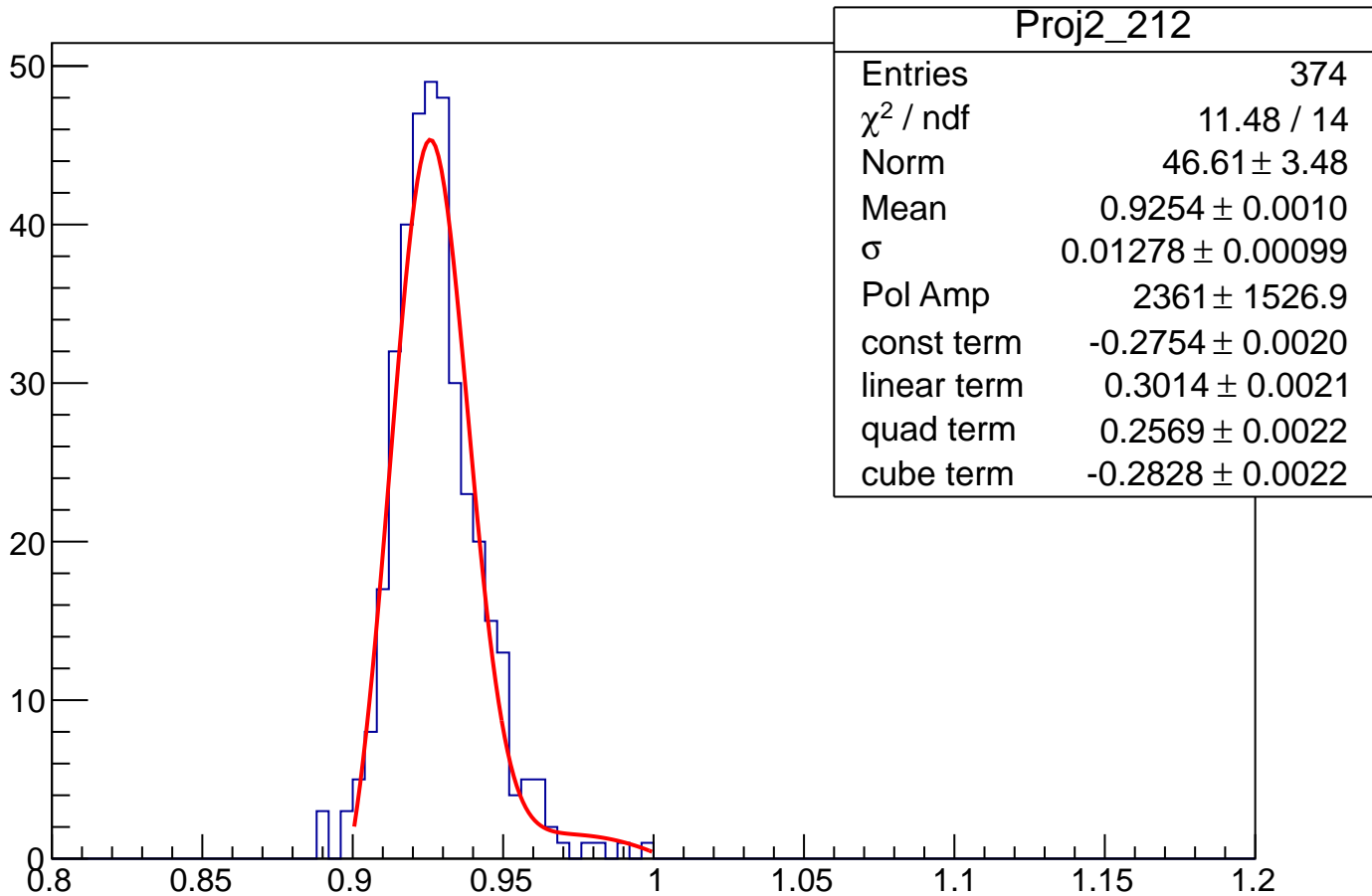
# PhiThetaMassPim



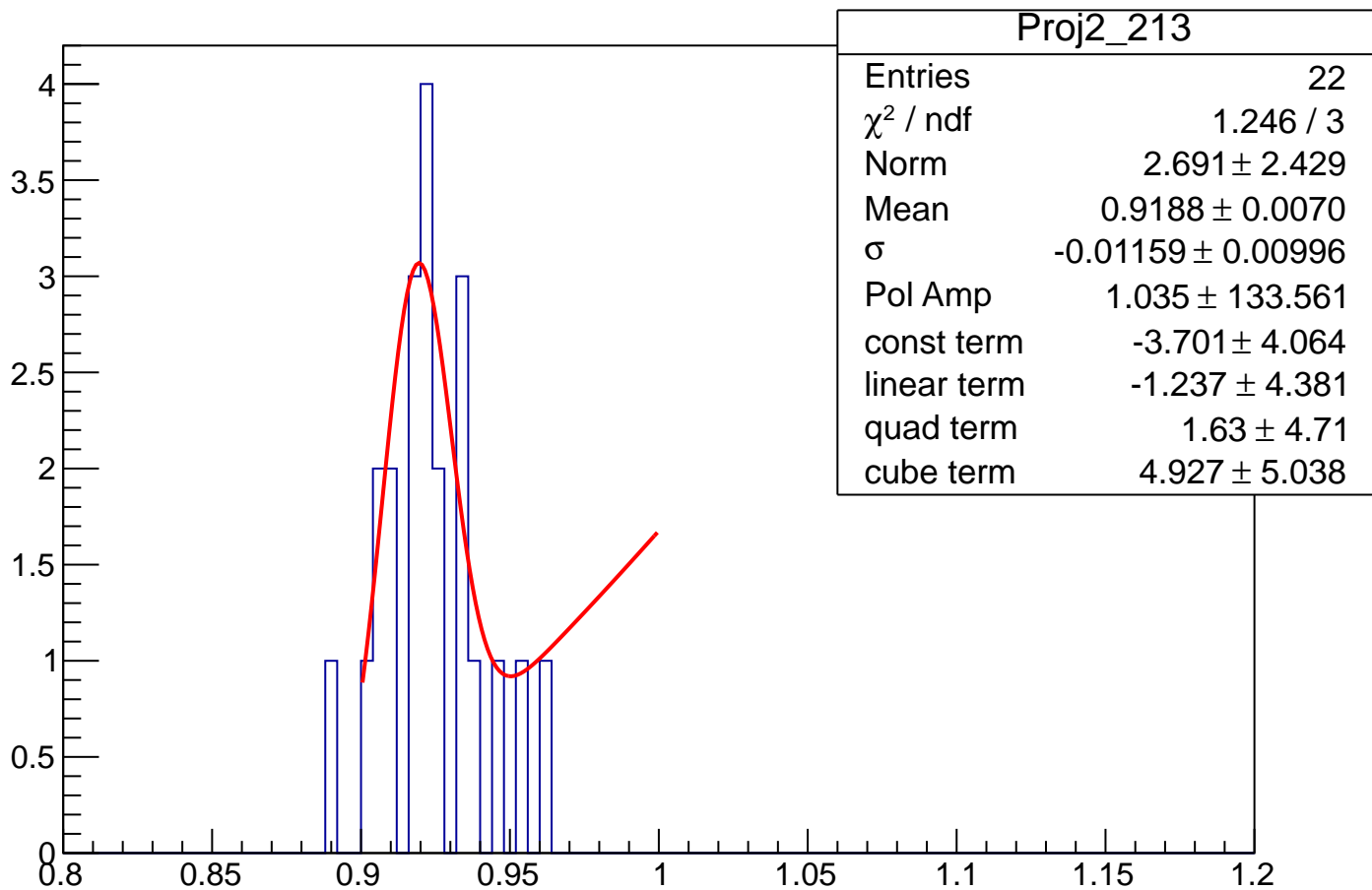
Proj2\_211

Entries	511
$\chi^2 / \text{ndf}$	27.48 / 11
Norm	$59.89 \pm 3.65$
Mean	$0.933 \pm 0.001$
$\sigma$	$0.01264 \pm 0.00076$
Pol Amp	$362.5 \pm 0.8$
const term	$-1.695 \pm 0.283$
linear term	$1.795 \pm 0.288$
quad term	$1.839 \pm 0.300$
cube term	$-1.943 \pm 0.308$

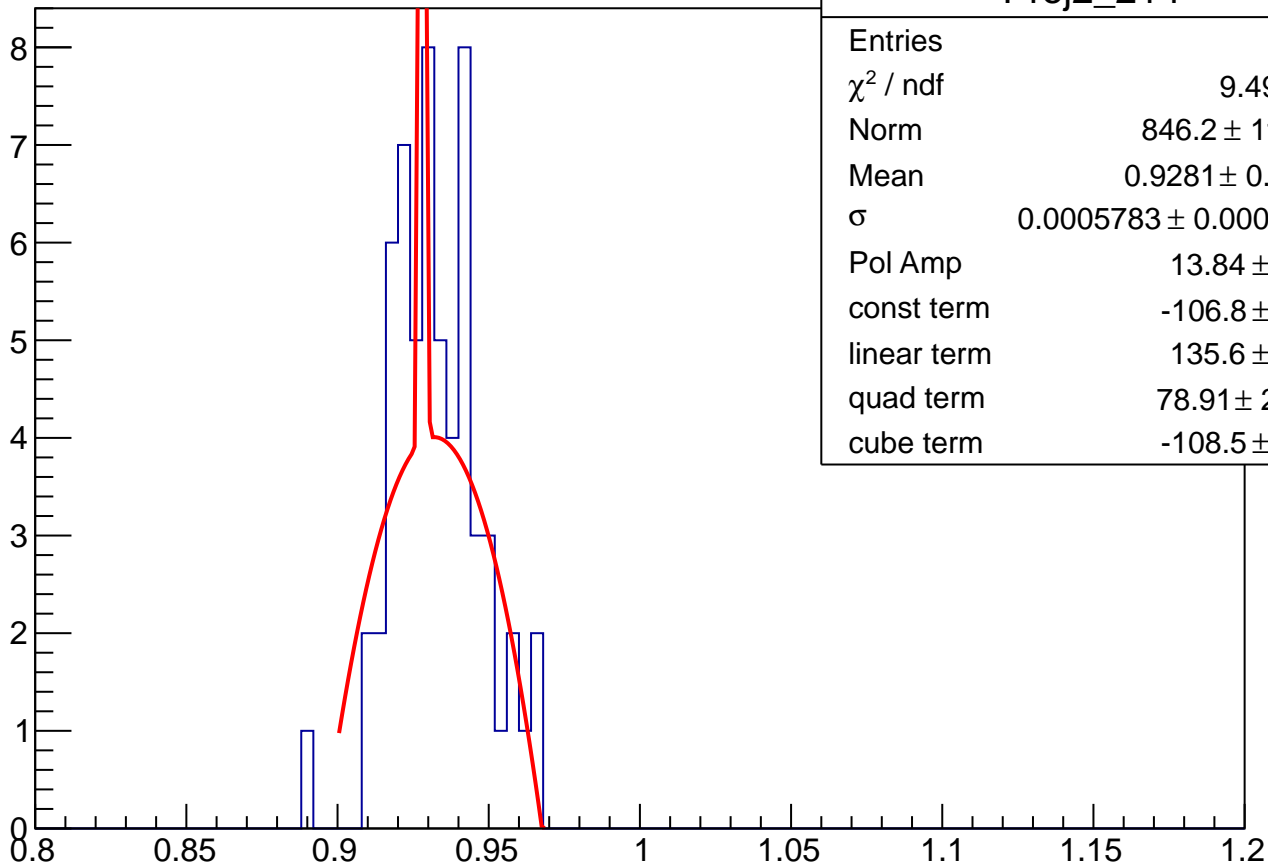
# PhiThetaMassPim



# PhiThetaMassPim



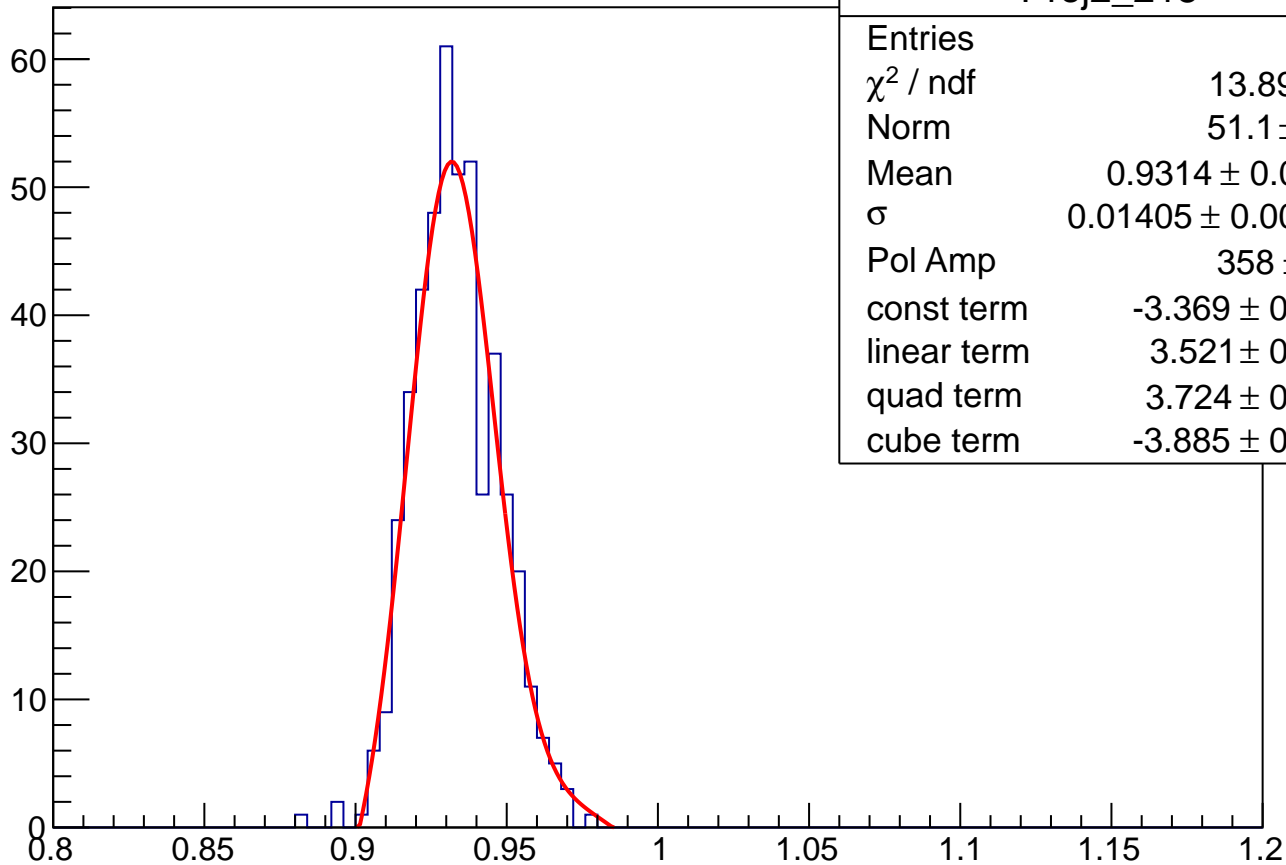
# PhiThetaMassPim



Proj2\_214

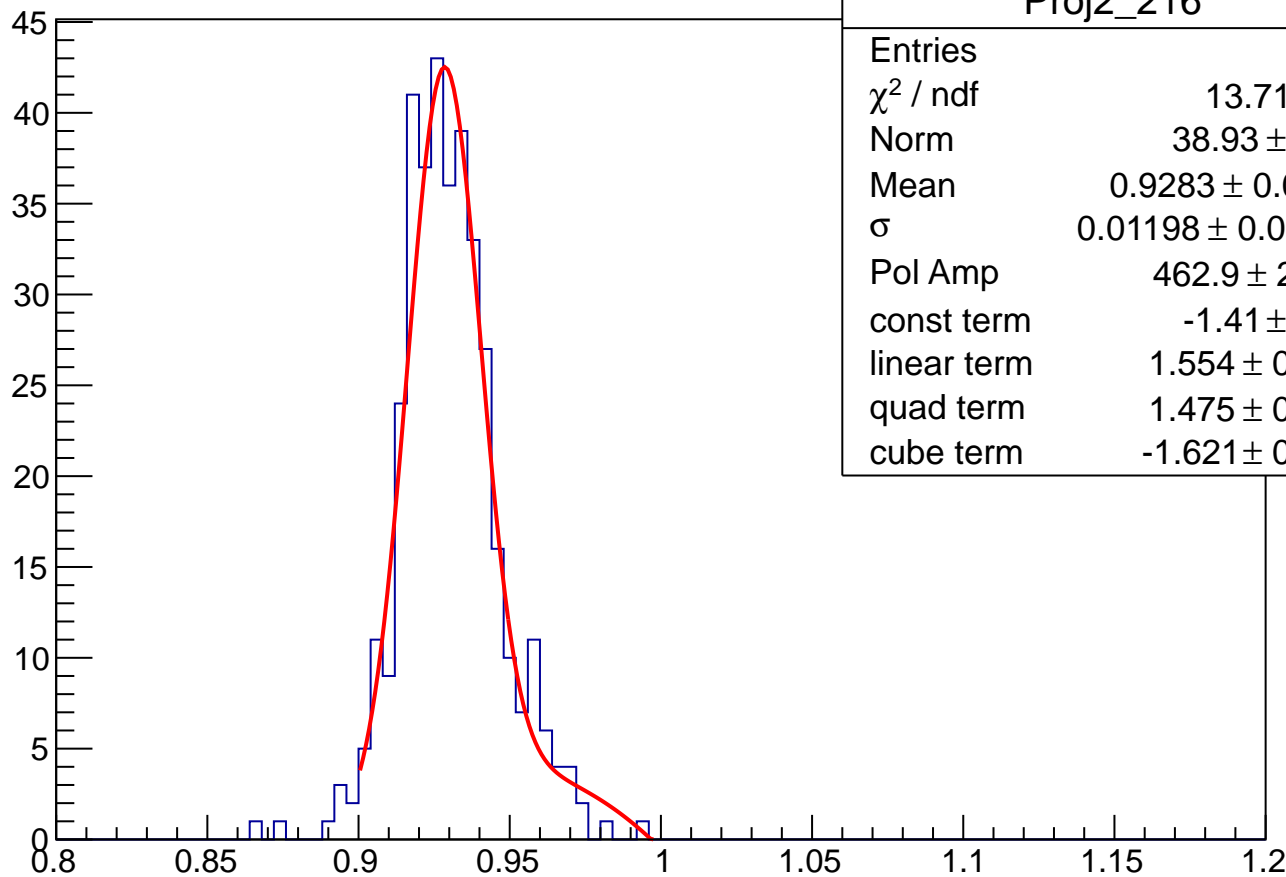
Entries	60
$\chi^2 / \text{ndf}$	9.499 / 7
Norm	$846.2 \pm 1171.1$
Mean	$0.9281 \pm 0.0002$
$\sigma$	$0.0005783 \pm 0.0001073$
Pol Amp	$13.84 \pm 3.09$
const term	$-106.8 \pm 37.7$
linear term	$135.6 \pm 47.2$
quad term	$78.91 \pm 27.59$
cube term	$-108.5 \pm 37.2$

# PhiThetaMassPim

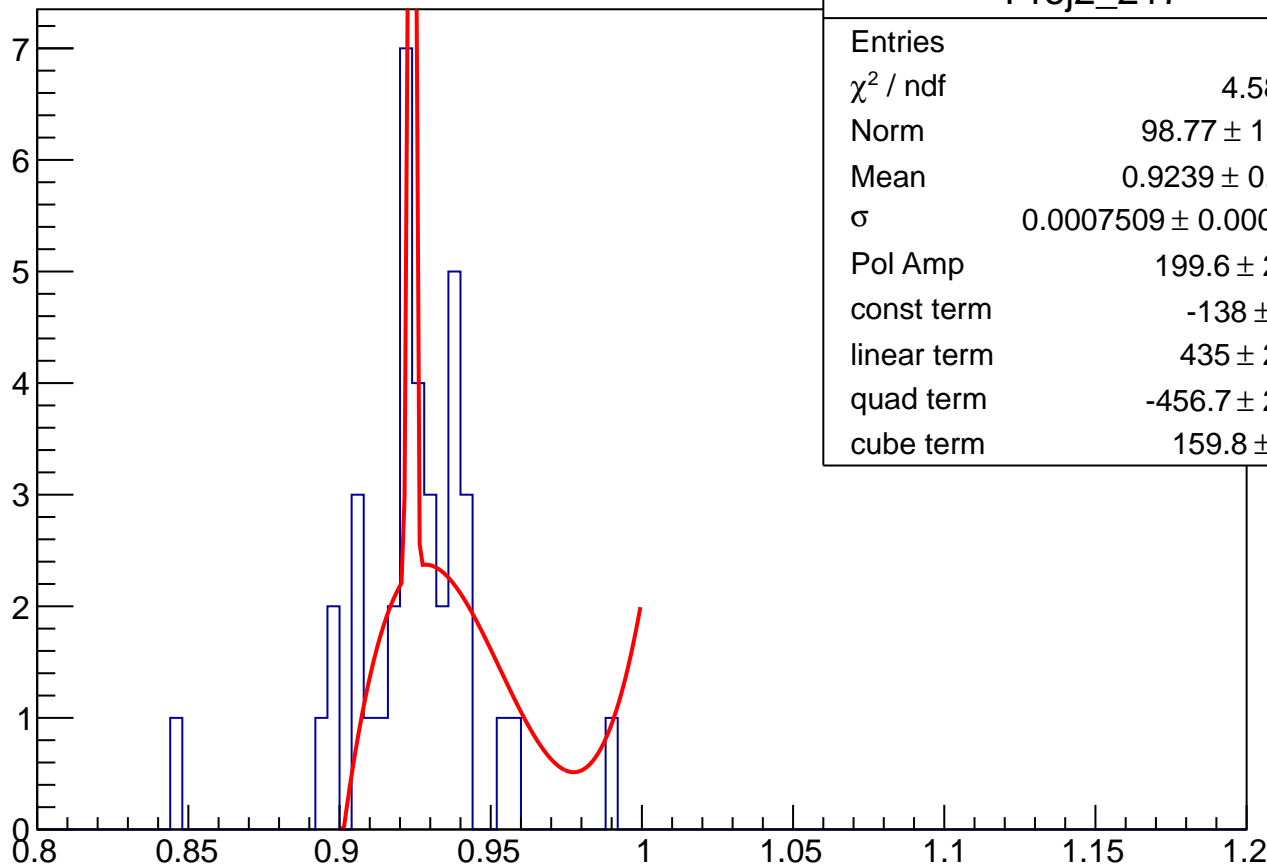




# PhiThetaMassPim



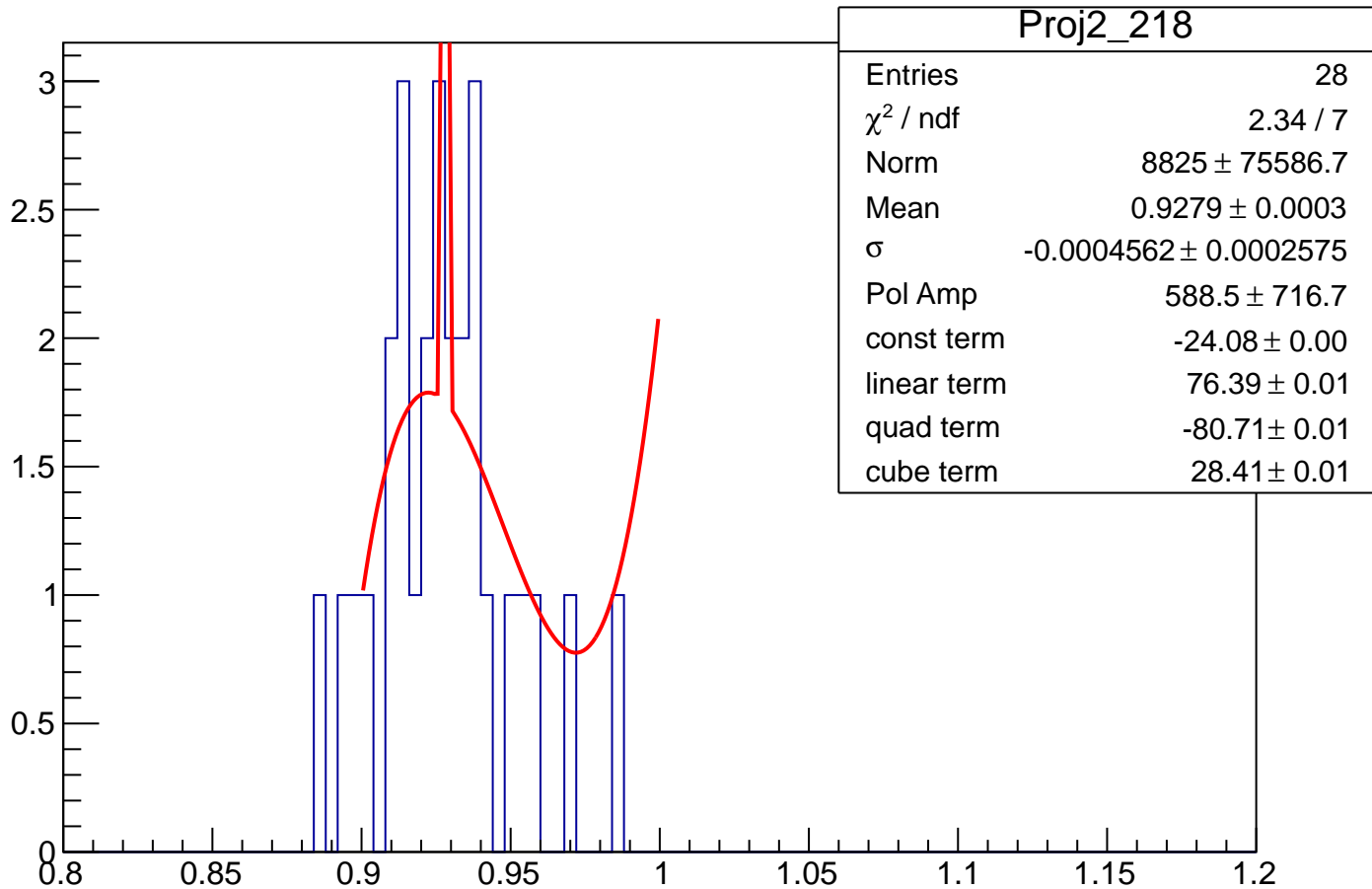
# PhiThetaMassPim



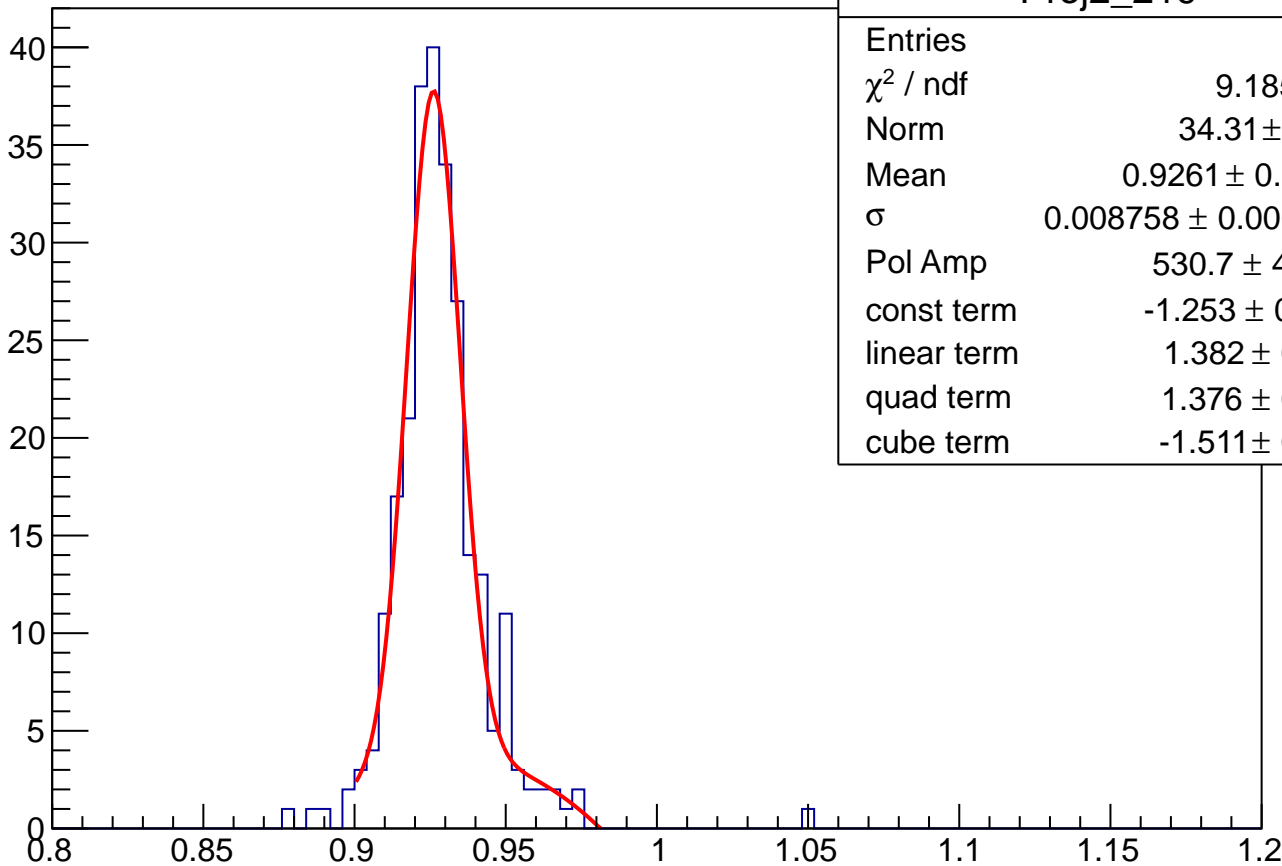
Proj2\_217

Entries	38
$\chi^2 / \text{ndf}$	4.581 / 5
Norm	$98.77 \pm 149.61$
Mean	$0.9239 \pm 0.0002$
$\sigma$	$0.0007509 \pm 0.0001164$
Pol Amp	$199.6 \pm 239.7$
const term	$-138 \pm 81.5$
linear term	$435 \pm 257.8$
quad term	$-456.7 \pm 271.5$
cube term	$159.8 \pm 95.3$

# PhiThetaMassPim



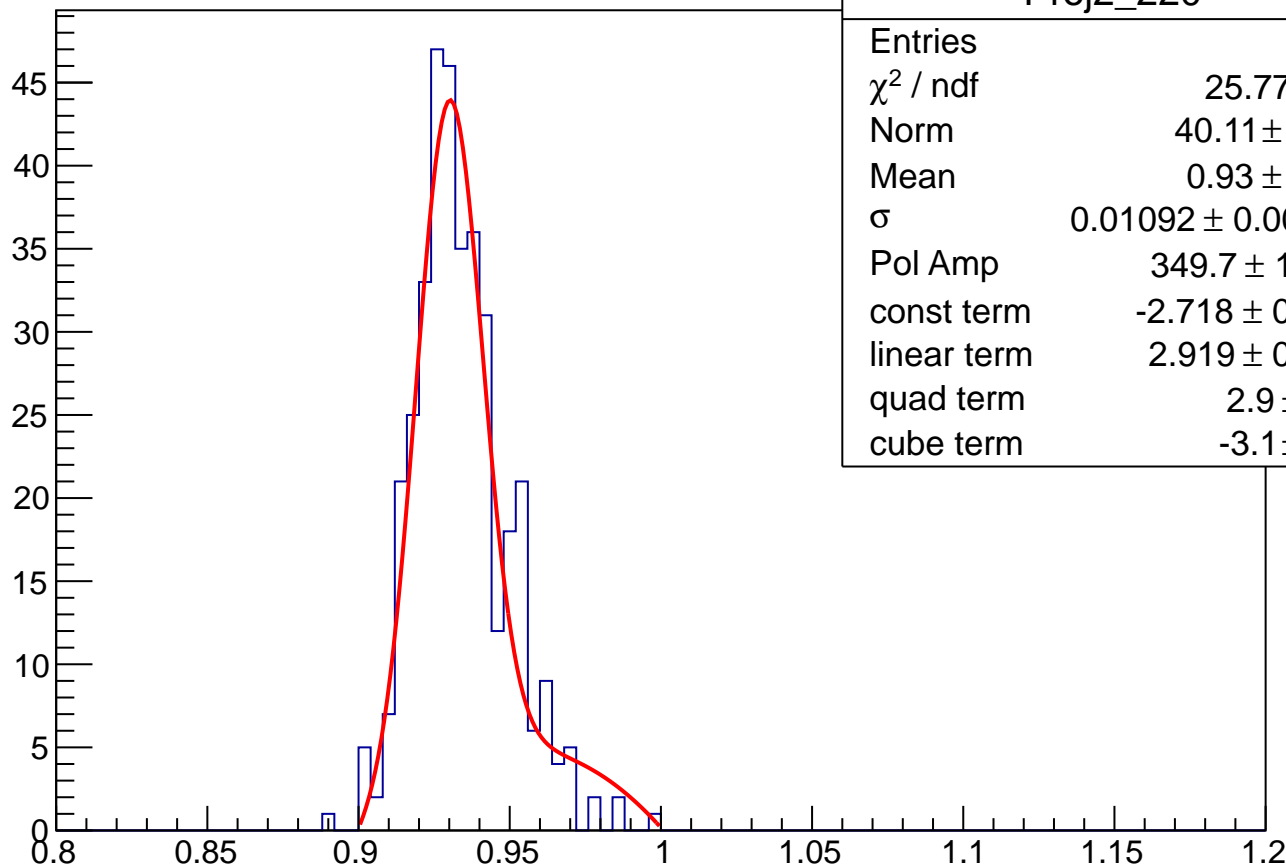
# PhiThetaMassPim



Proj2\_219

Entries	256
$\chi^2 / \text{ndf}$	9.185 / 11
Norm	$34.31 \pm 3.57$
Mean	$0.9261 \pm 0.0008$
$\sigma$	$0.008758 \pm 0.000935$
Pol Amp	$530.7 \pm 451.3$
const term	$-1.253 \pm 0.010$
linear term	$1.382 \pm 0.011$
quad term	$1.376 \pm 0.011$
cube term	$-1.511 \pm 0.011$

# PhiThetaMassPim

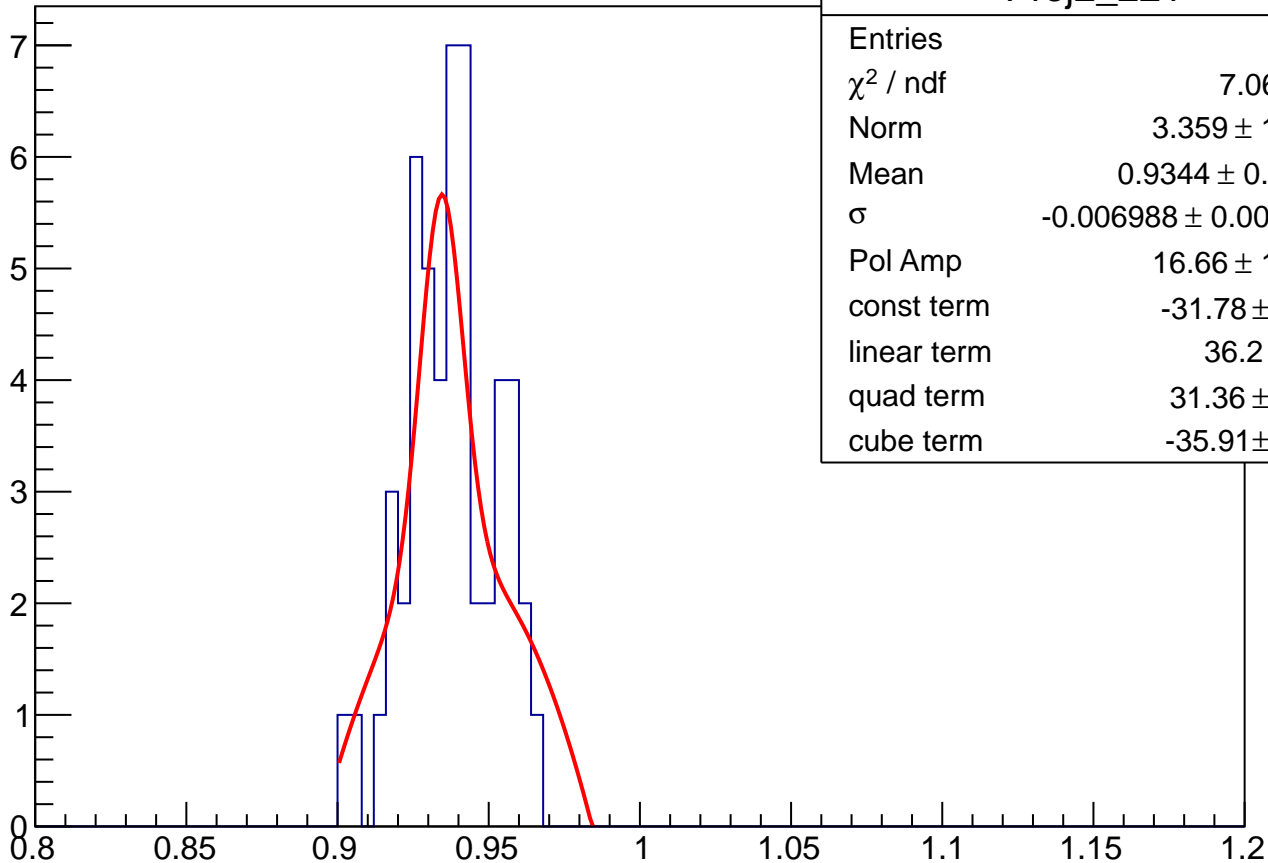


Proj2\_220

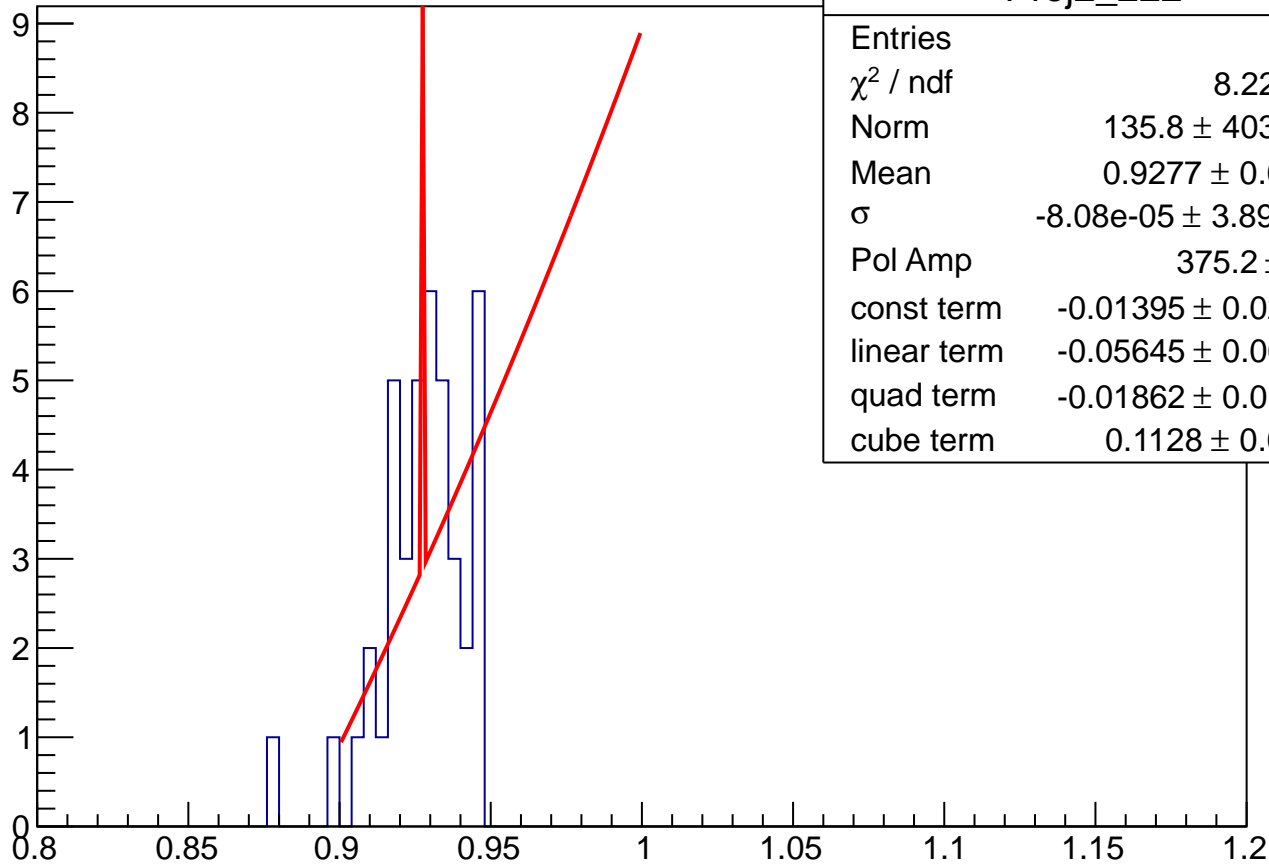
Entries	369
$\chi^2 / \text{ndf}$	25.77 / 13
Norm	$40.11 \pm 3.40$
Mean	$0.93 \pm 0.00$
$\sigma$	$0.01092 \pm 0.00088$
Pol Amp	$349.7 \pm 113.4$
const term	$-2.718 \pm 0.016$
linear term	$2.919 \pm 0.018$
quad term	$2.9 \pm 0.0$
cube term	$-3.1 \pm 0.0$

# PhiThetaMassPim

Proj2\_221



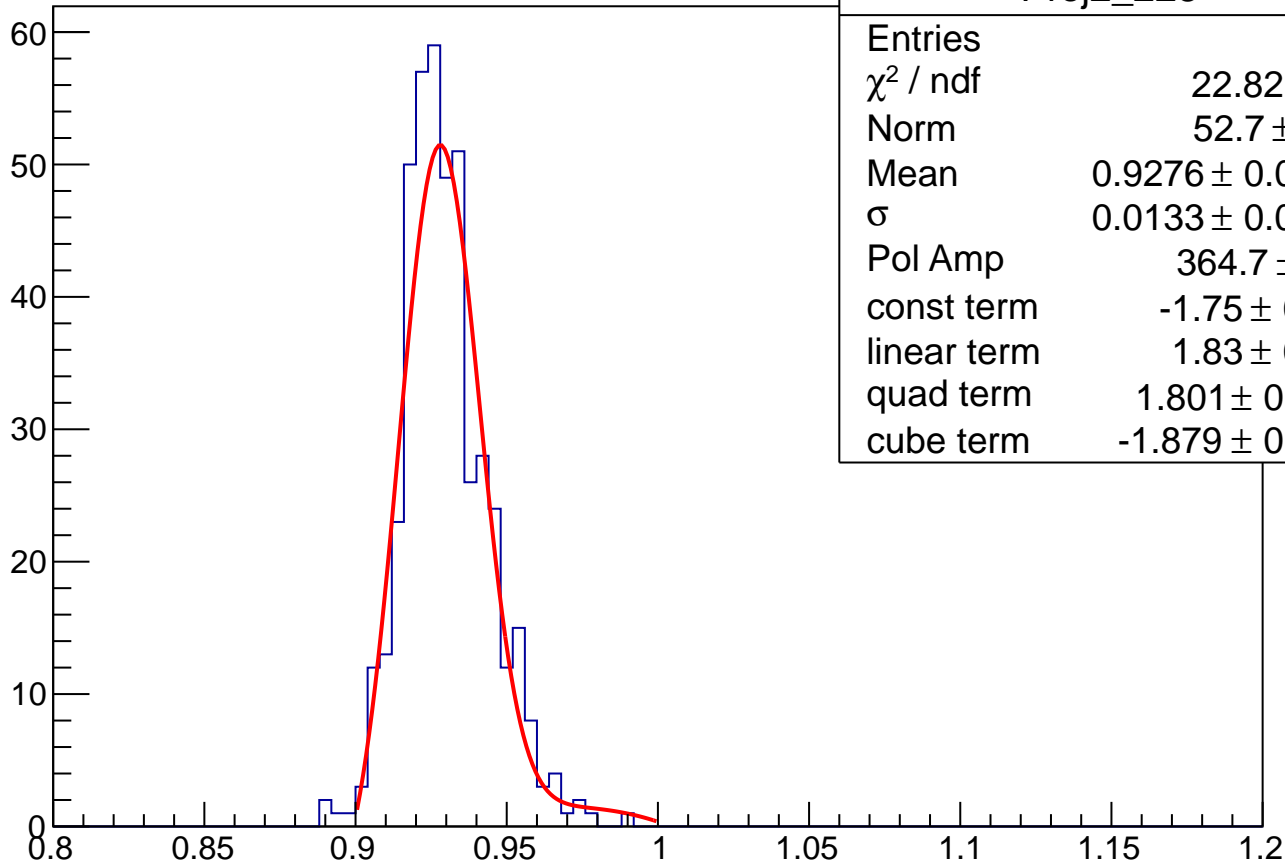
# PhiThetaMassPim



Proj2\_222

Entries	41
$\chi^2 / \text{ndf}$	8.228 / 3
Norm	$135.8 \pm 40377.9$
Mean	$0.9277 \pm 0.0000$
$\sigma$	$-8.08\text{e-}05 \pm 3.89\text{e-}07$
Pol Amp	$375.2 \pm 0.0$
const term	$-0.01395 \pm 0.02548$
linear term	$-0.05645 \pm 0.00936$
quad term	$-0.01862 \pm 0.01002$
cube term	$0.1128 \pm 0.0328$

# PhiThetaMassPim

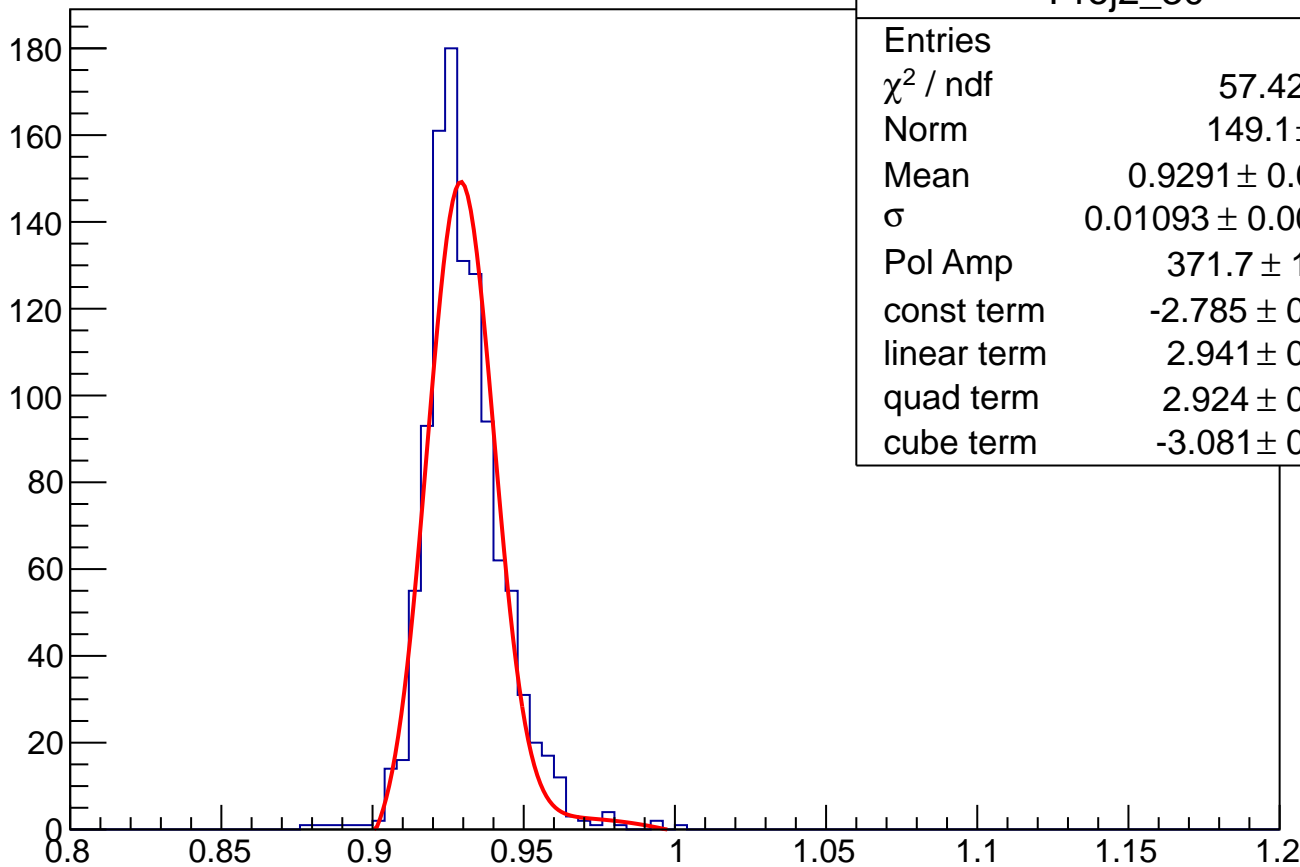


Proj2\_223

Entries	446
$\chi^2 / \text{ndf}$	22.82 / 13
Norm	$52.7 \pm 3.5$
Mean	$0.9276 \pm 0.0008$
$\sigma$	$0.0133 \pm 0.0014$
Pol Amp	$364.7 \pm 1.1$
const term	$-1.75 \pm 0.38$
linear term	$1.83 \pm 0.36$
quad term	$1.801 \pm 0.373$
cube term	$-1.879 \pm 0.350$



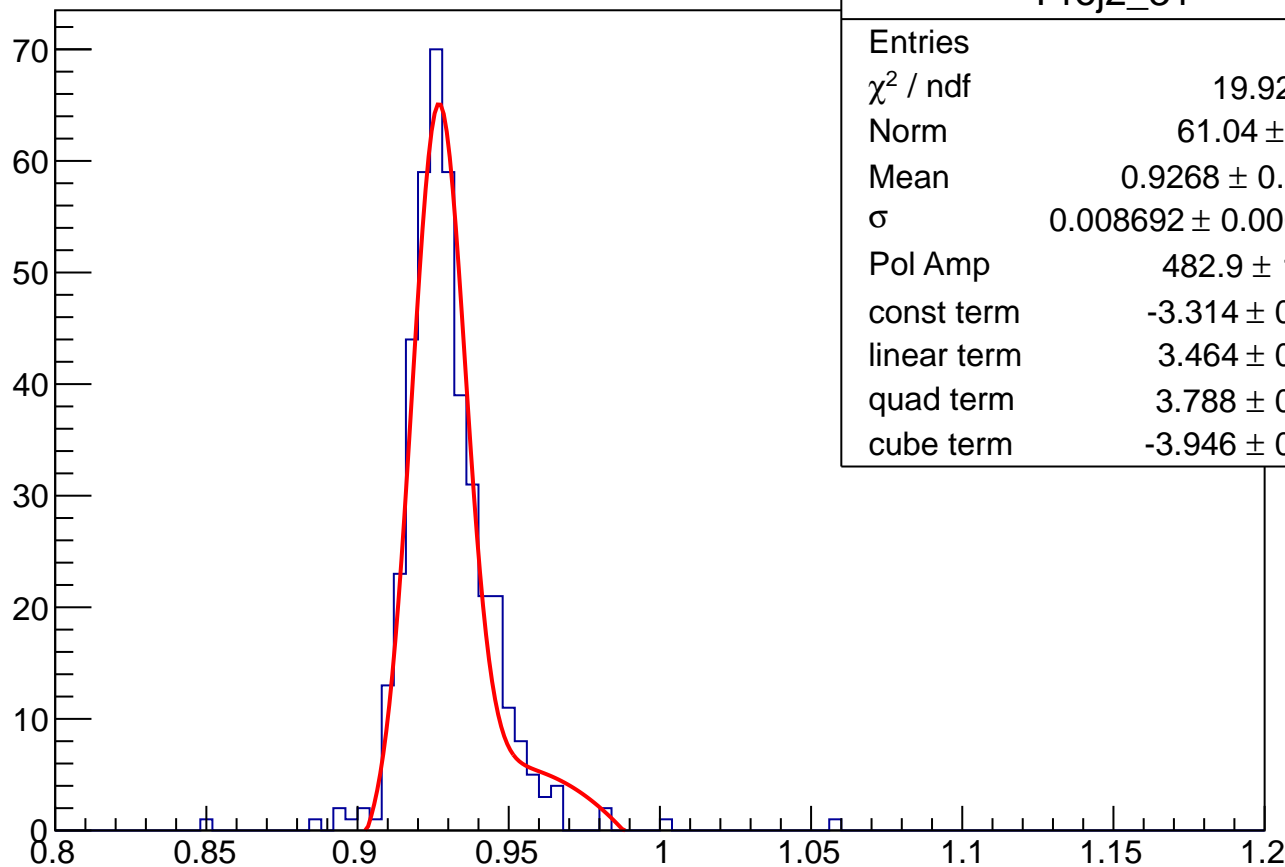
# PhiThetaMassPim



Proj2\_30

Entries	1091
$\chi^2 / \text{ndf}$	57.42 / 14
Norm	$149.1 \pm 6.3$
Mean	$0.9291 \pm 0.0004$
$\sigma$	$0.01093 \pm 0.00040$
Pol Amp	$371.7 \pm 109.1$
const term	$-2.785 \pm 0.016$
linear term	$2.941 \pm 0.017$
quad term	$2.924 \pm 0.017$
cube term	$-3.081 \pm 0.017$

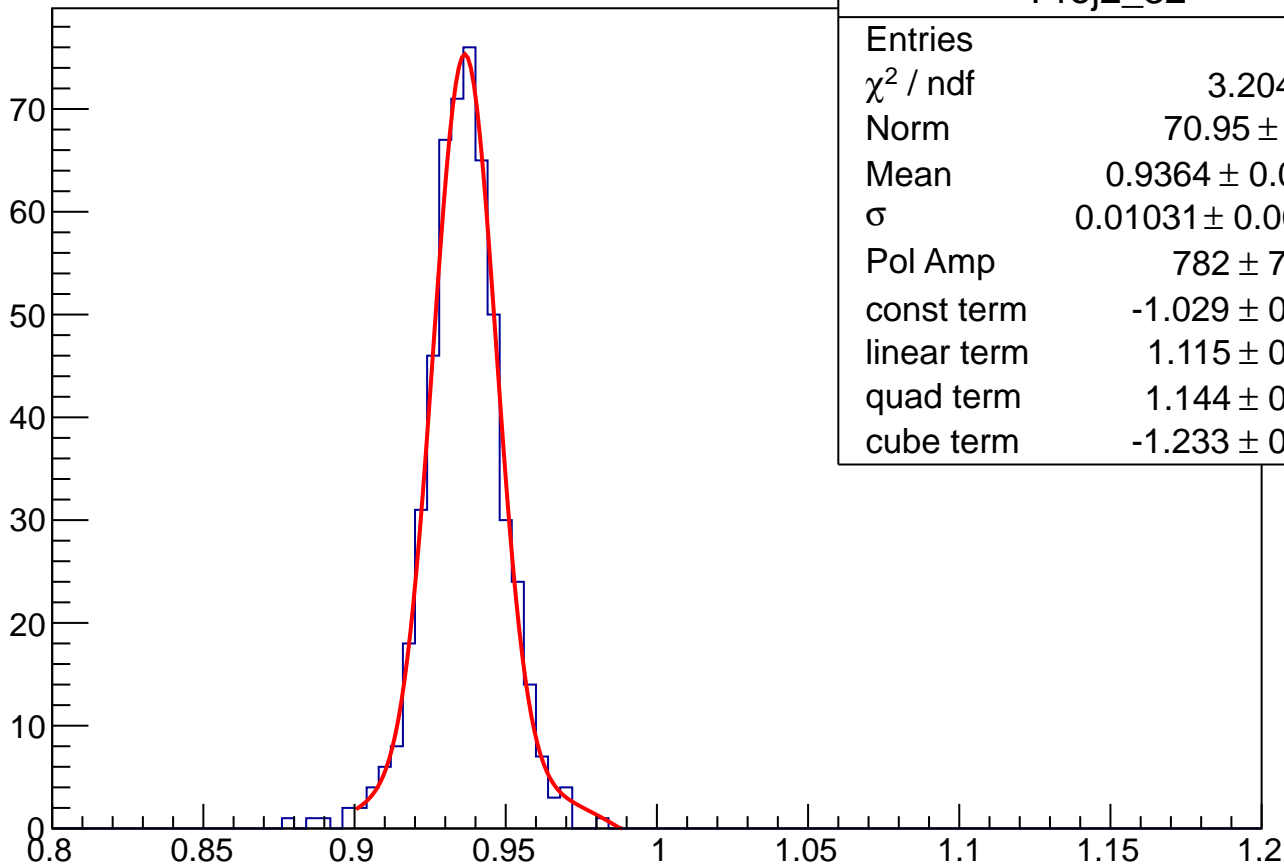
# PhiThetaMassPim



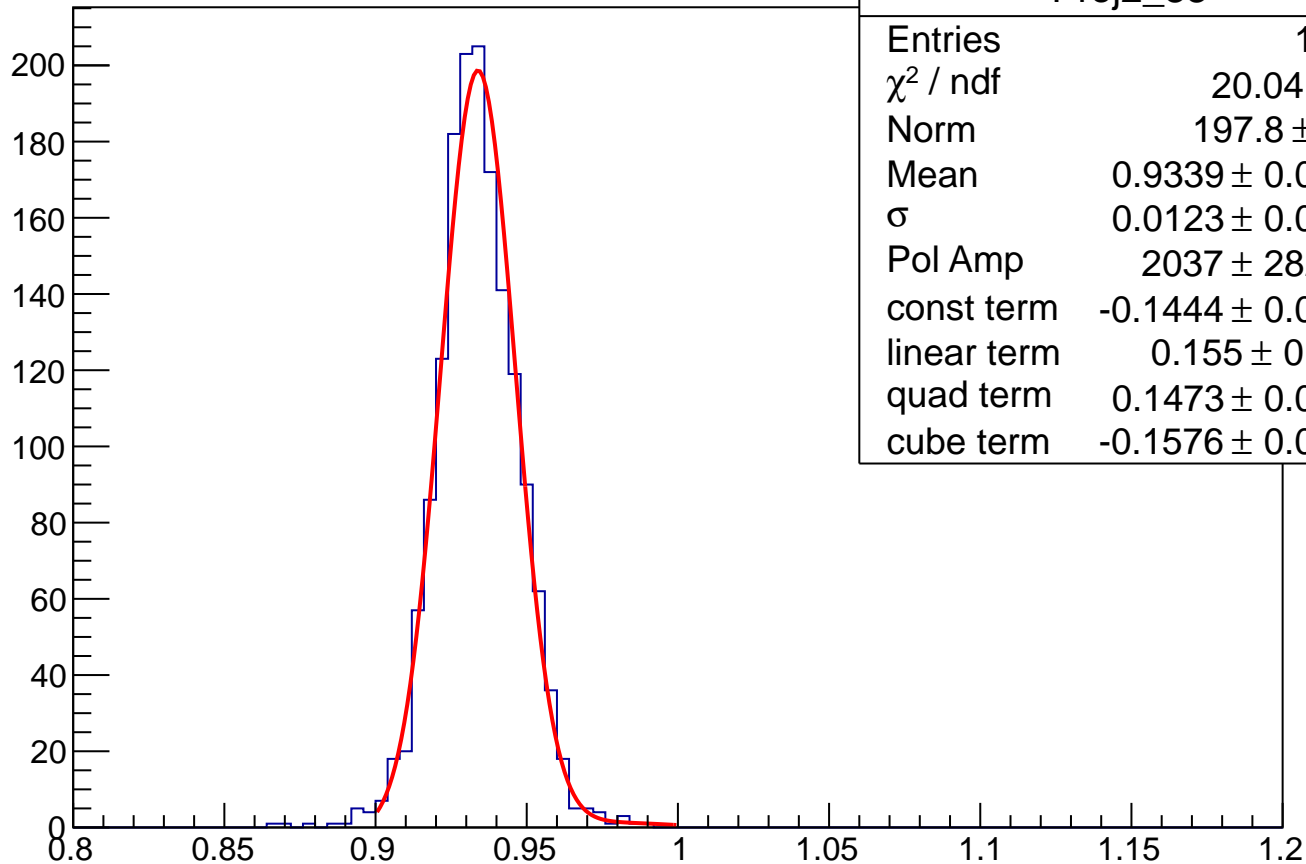
Proj2\_31

Entries	423
$\chi^2 / \text{ndf}$	19.92 / 10
Norm	$61.04 \pm 4.60$
Mean	$0.9268 \pm 0.0007$
$\sigma$	$0.008692 \pm 0.000590$
Pol Amp	$482.9 \pm 125.1$
const term	$-3.314 \pm 0.013$
linear term	$3.464 \pm 0.015$
quad term	$3.788 \pm 0.015$
cube term	$-3.946 \pm 0.015$

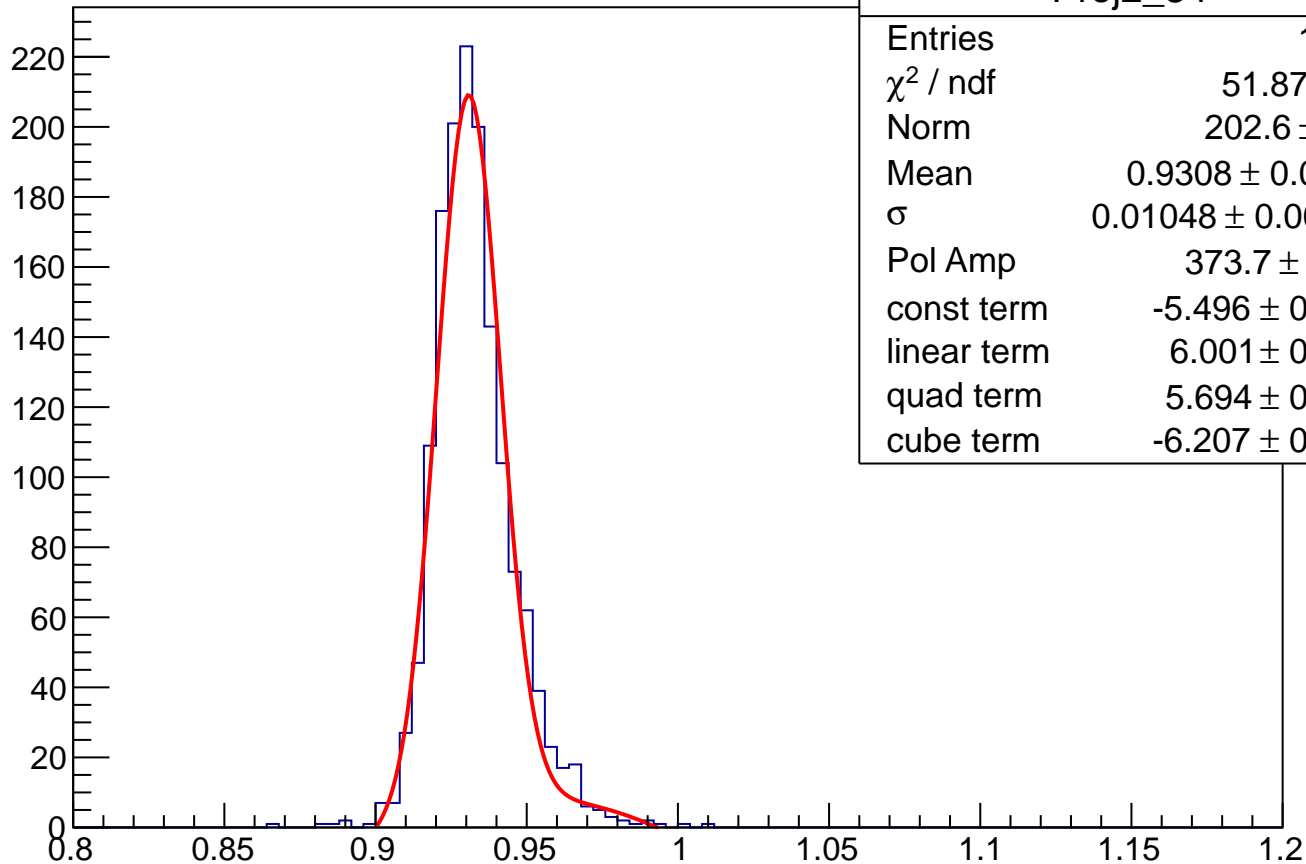
# PhiThetaMassPim



# PhiThetaMassPim



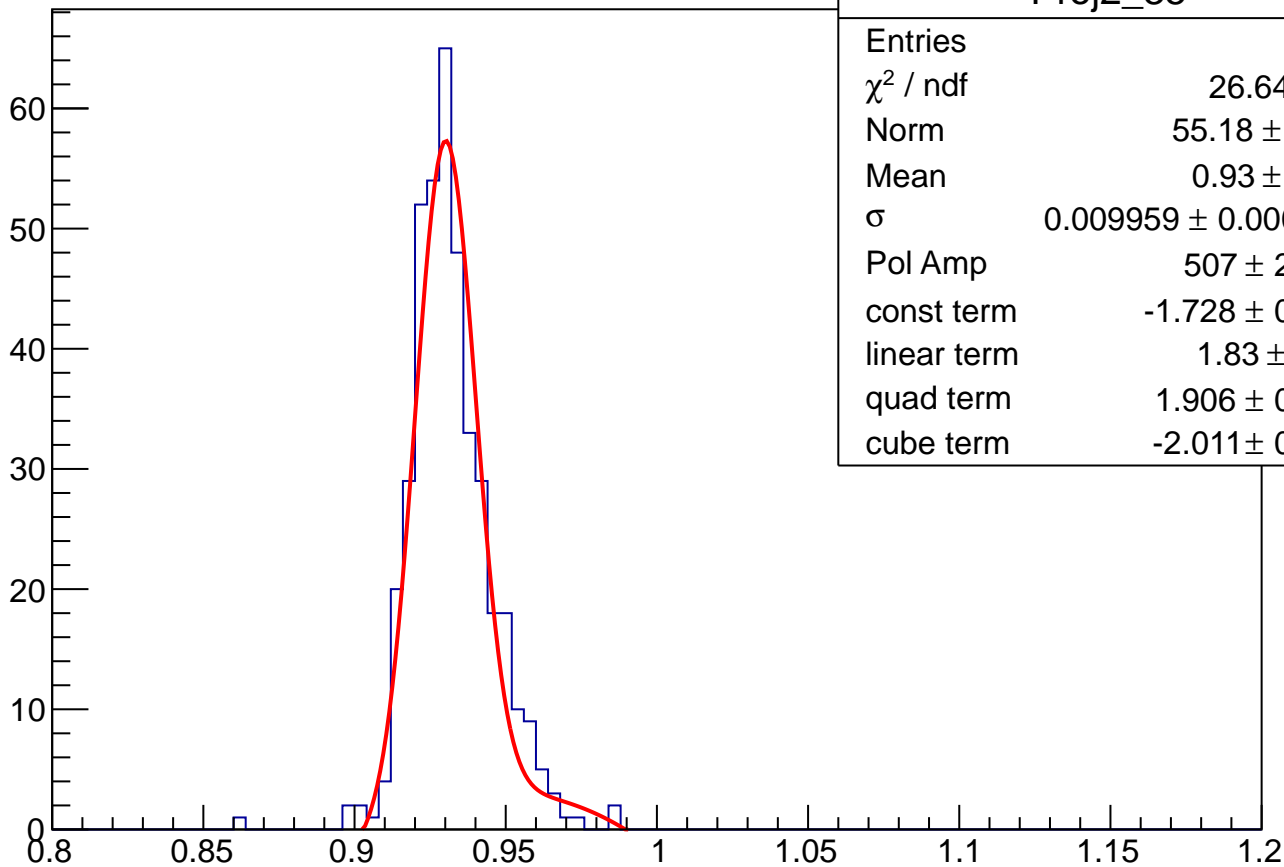
# PhiThetaMassPim



Proj2\_34

Entries	1504
$\chi^2 / \text{ndf}$	51.87 / 16
Norm	$202.6 \pm 7.6$
Mean	$0.9308 \pm 0.0004$
$\sigma$	$0.01048 \pm 0.00031$
Pol Amp	$373.7 \pm 76.6$
const term	$-5.496 \pm 0.015$
linear term	$6.001 \pm 0.017$
quad term	$5.694 \pm 0.017$
cube term	$-6.207 \pm 0.016$

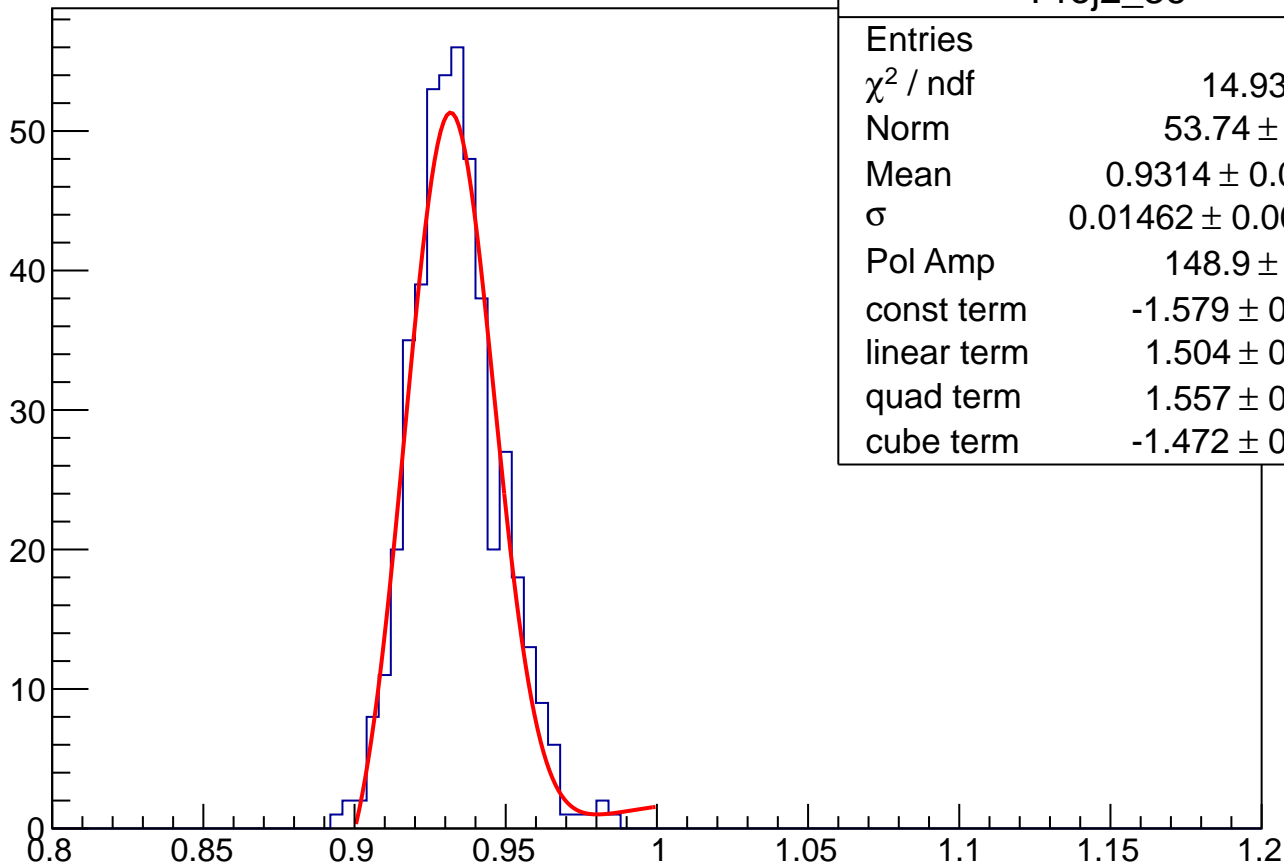
# PhiThetaMassPim



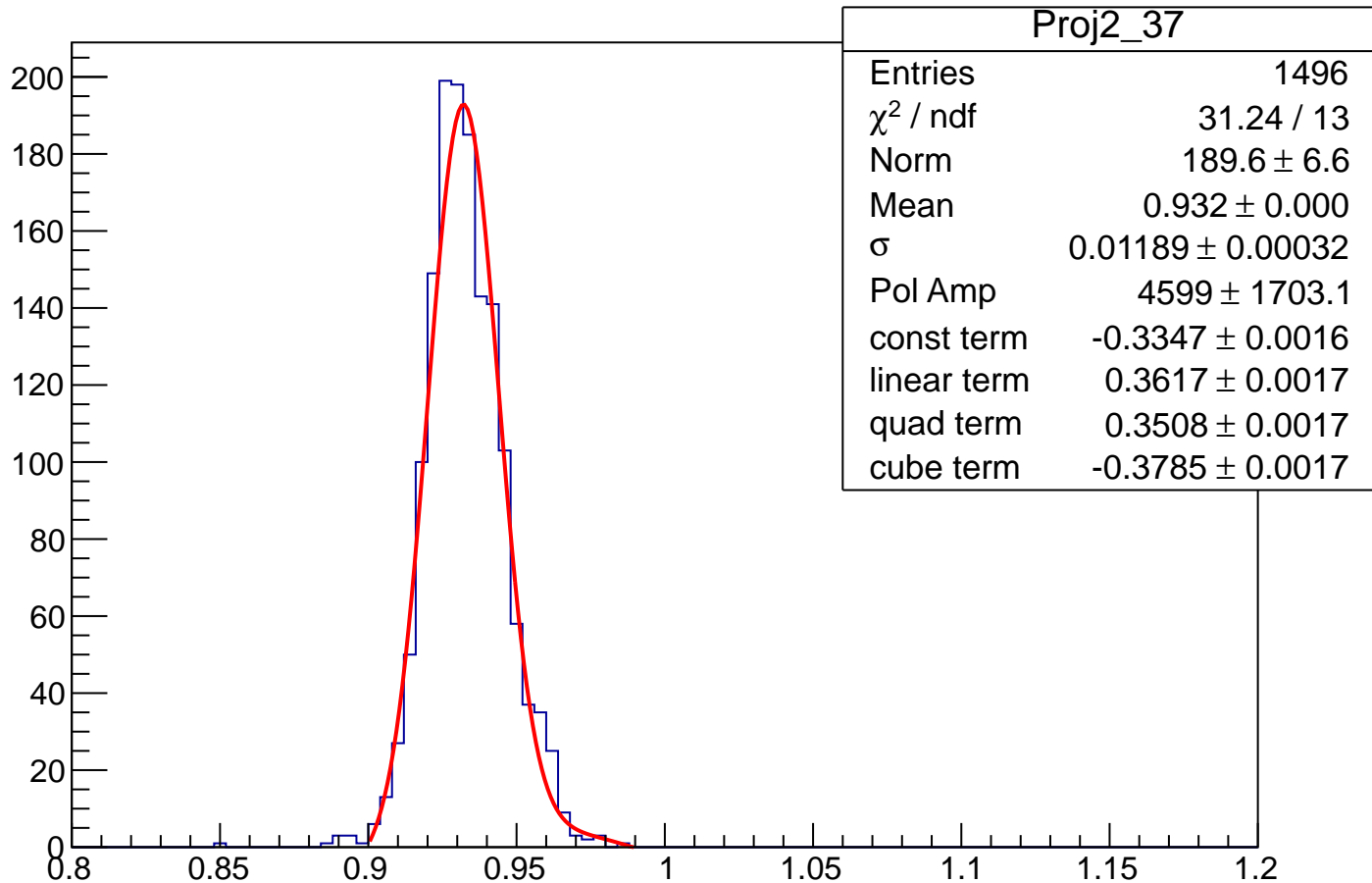
Proj2\_35

Entries	408
$\chi^2 / \text{ndf}$	26.64 / 12
Norm	$55.18 \pm 4.14$
Mean	$0.93 \pm 0.00$
$\sigma$	$0.009959 \pm 0.000653$
Pol Amp	$507 \pm 201.2$
const term	$-1.728 \pm 0.010$
linear term	$1.83 \pm 0.01$
quad term	$1.906 \pm 0.012$
cube term	$-2.011 \pm 0.012$

# PhiThetaMassPim

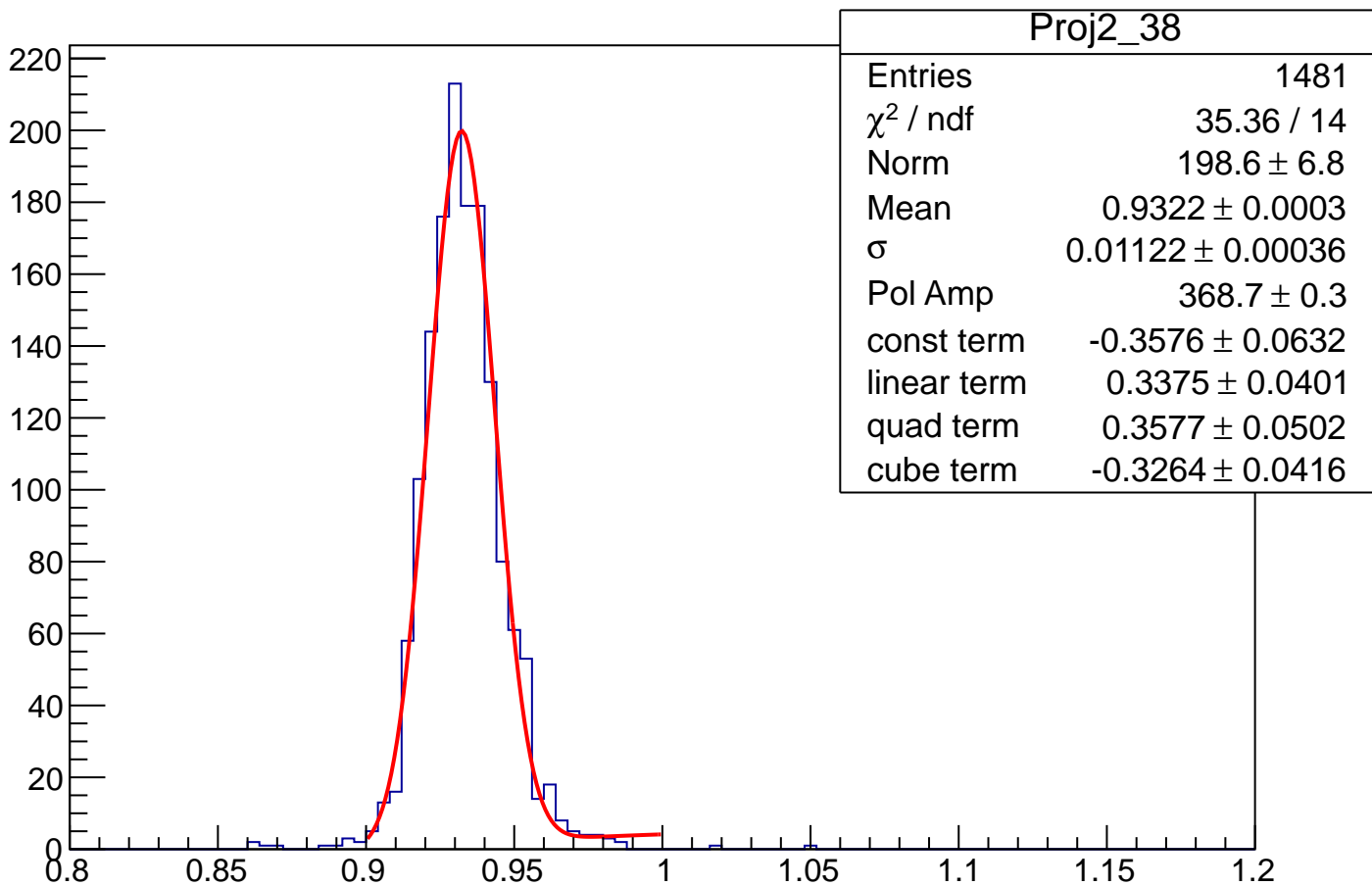


# PhiThetaMassPim

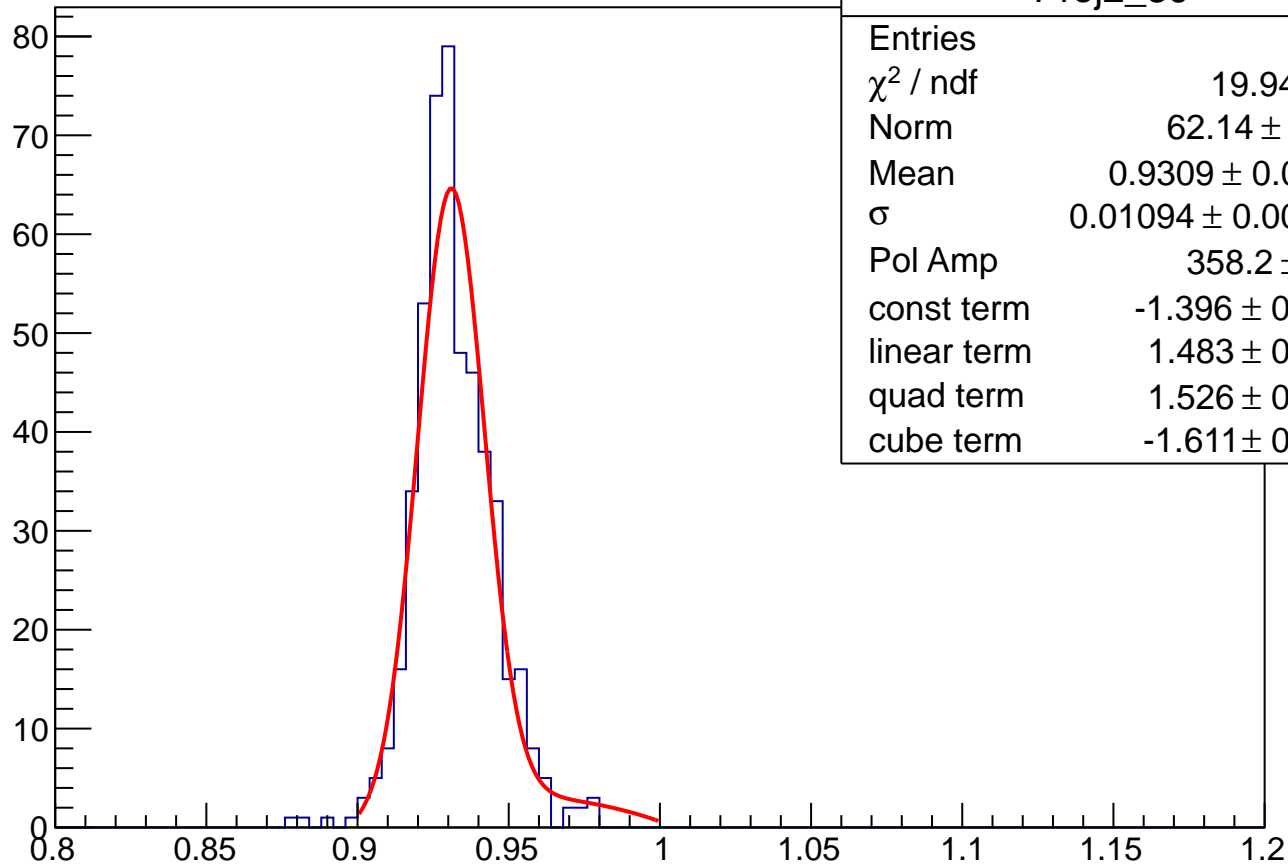




# PhiThetaMassPim



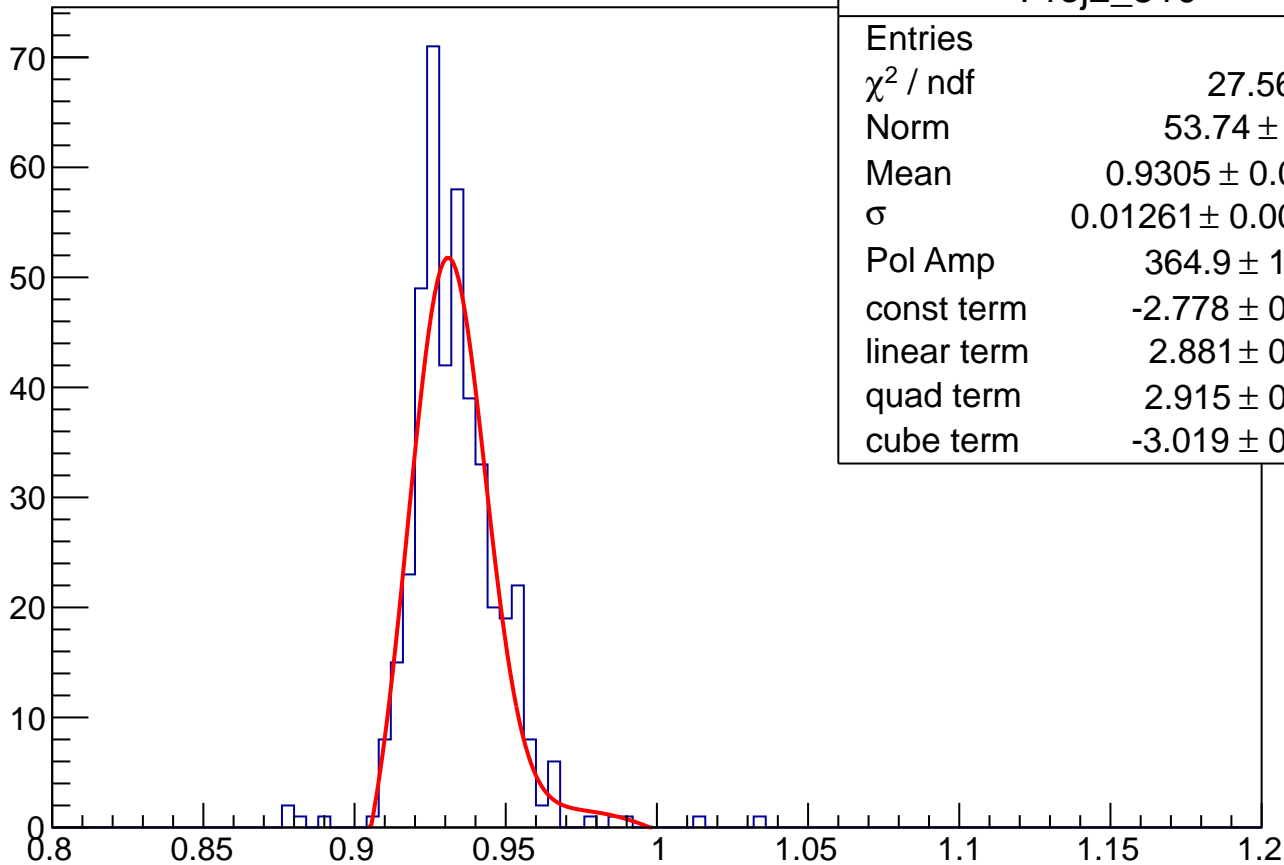
# PhiThetaMassPim



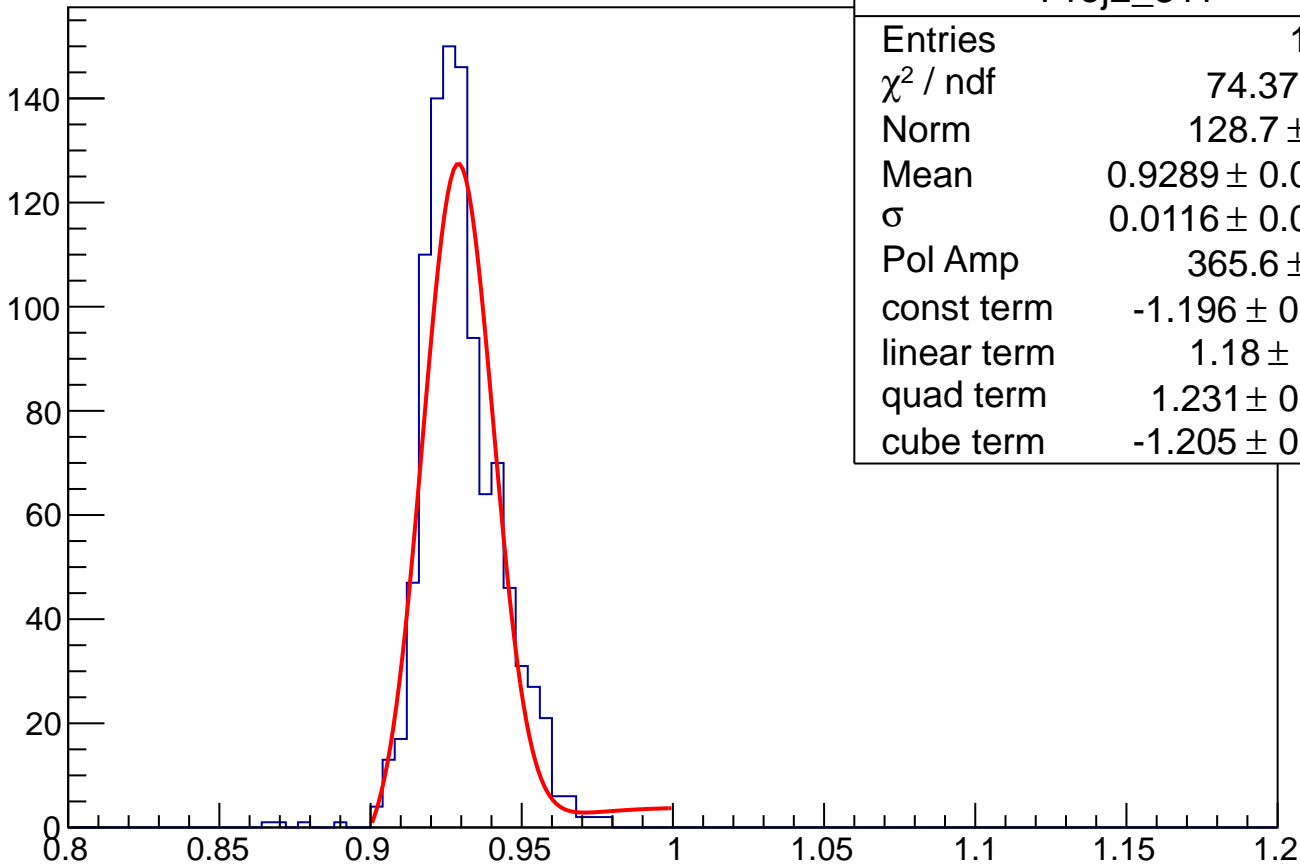
Proj2\_39

Entries	492
$\chi^2 / \text{ndf}$	19.94 / 11
Norm	$62.14 \pm 4.15$
Mean	$0.9309 \pm 0.0006$
$\sigma$	$0.01094 \pm 0.00068$
Pol Amp	$358.2 \pm 1.0$
const term	$-1.396 \pm 0.295$
linear term	$1.483 \pm 0.303$
quad term	$1.526 \pm 0.316$
cube term	$-1.611 \pm 0.326$

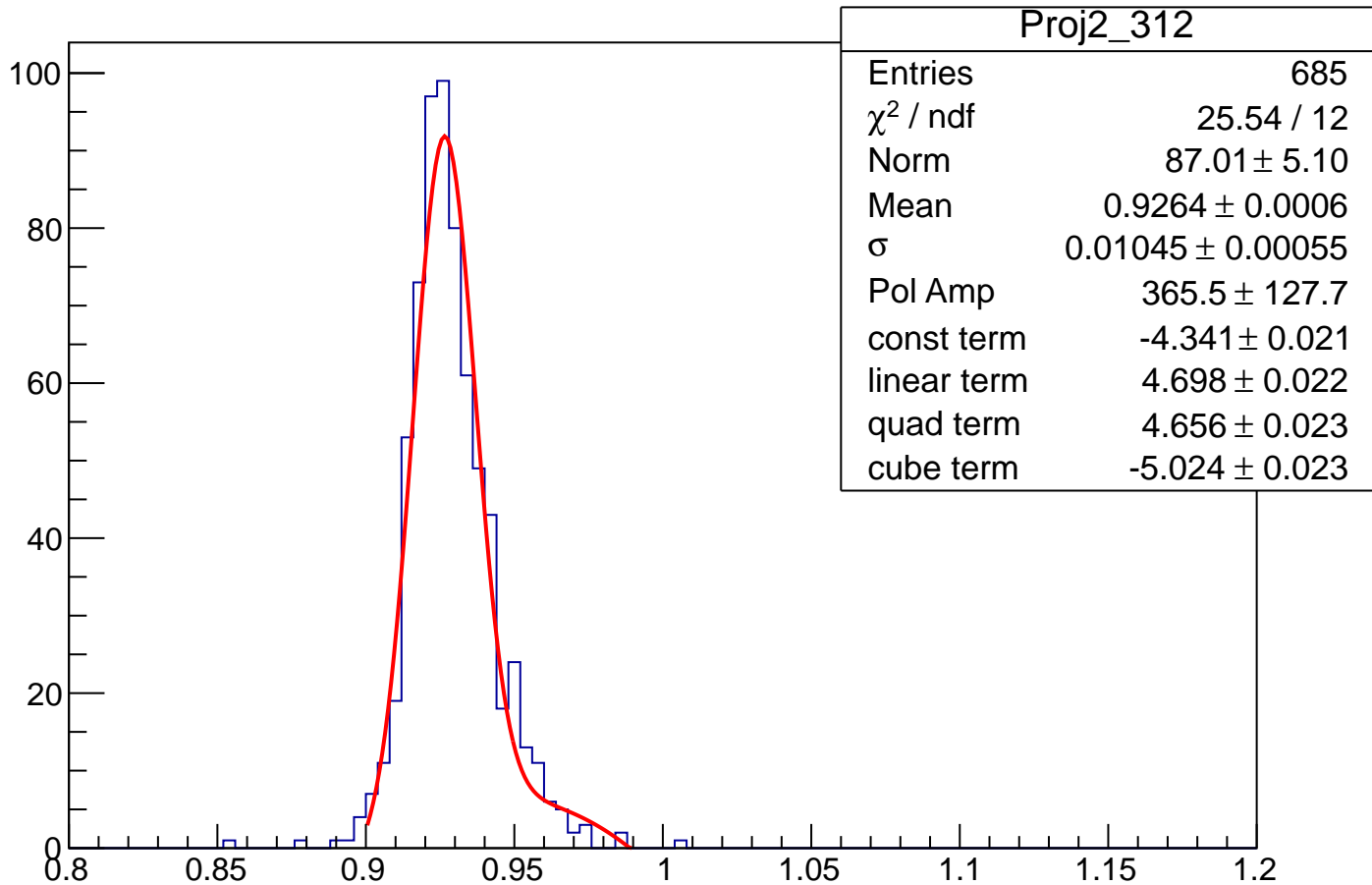
# PhiThetaMassPim



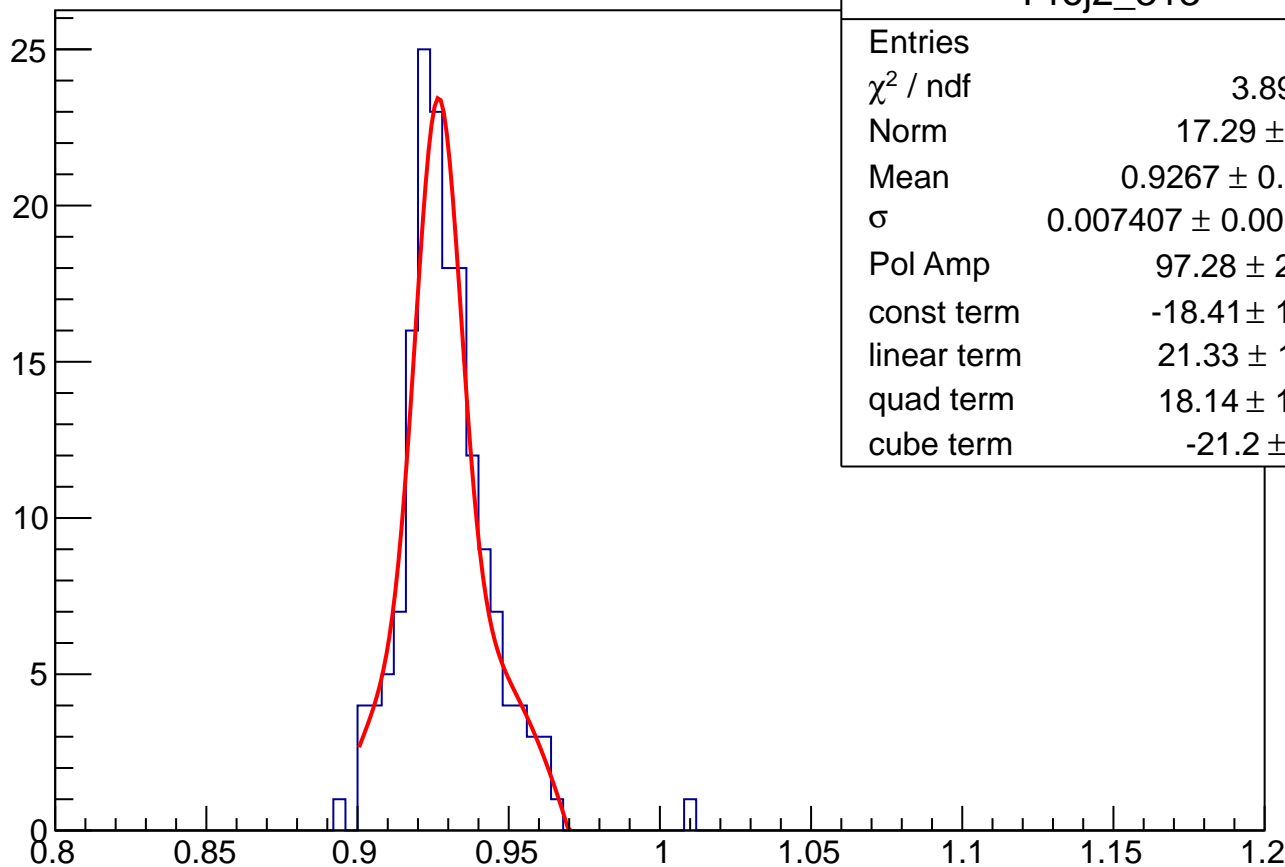
# PhiThetaMassPim



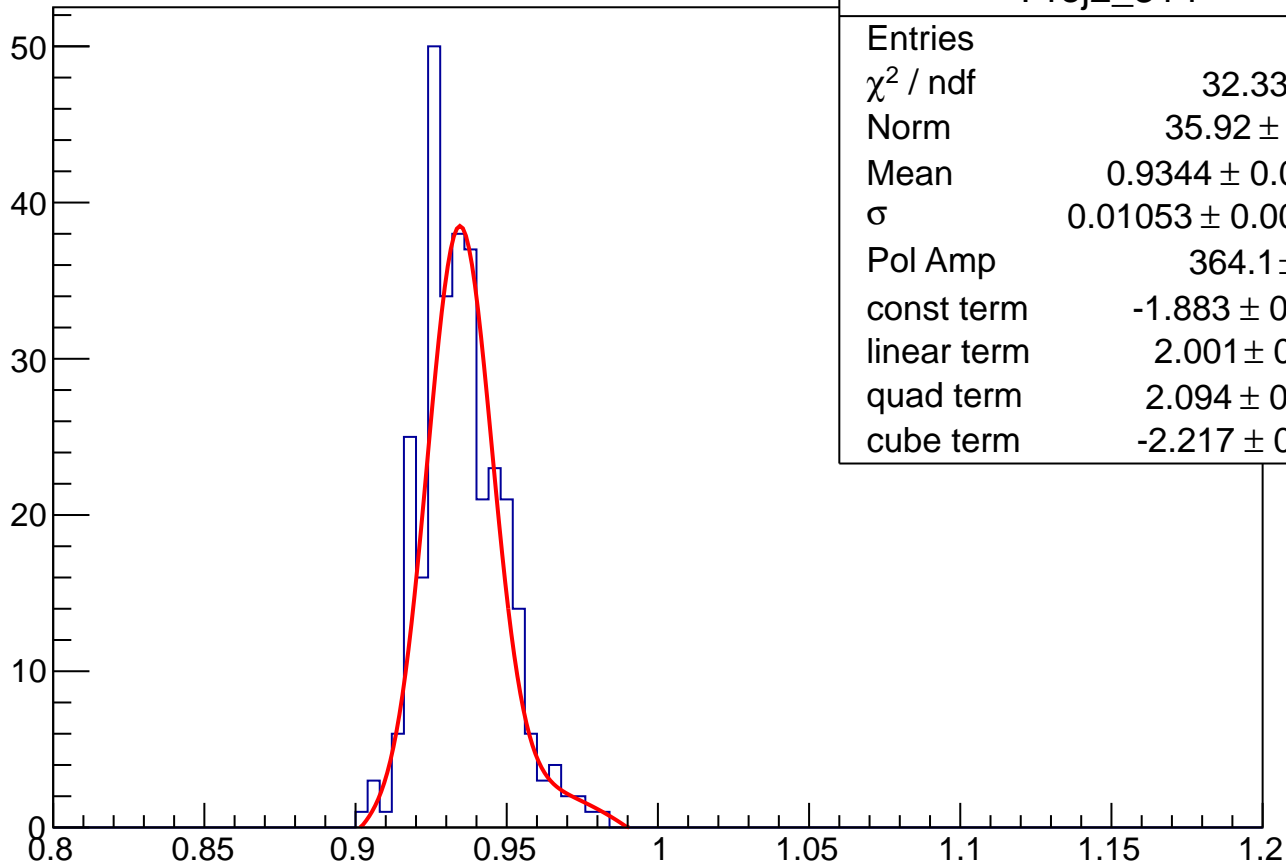
# PhiThetaMassPim



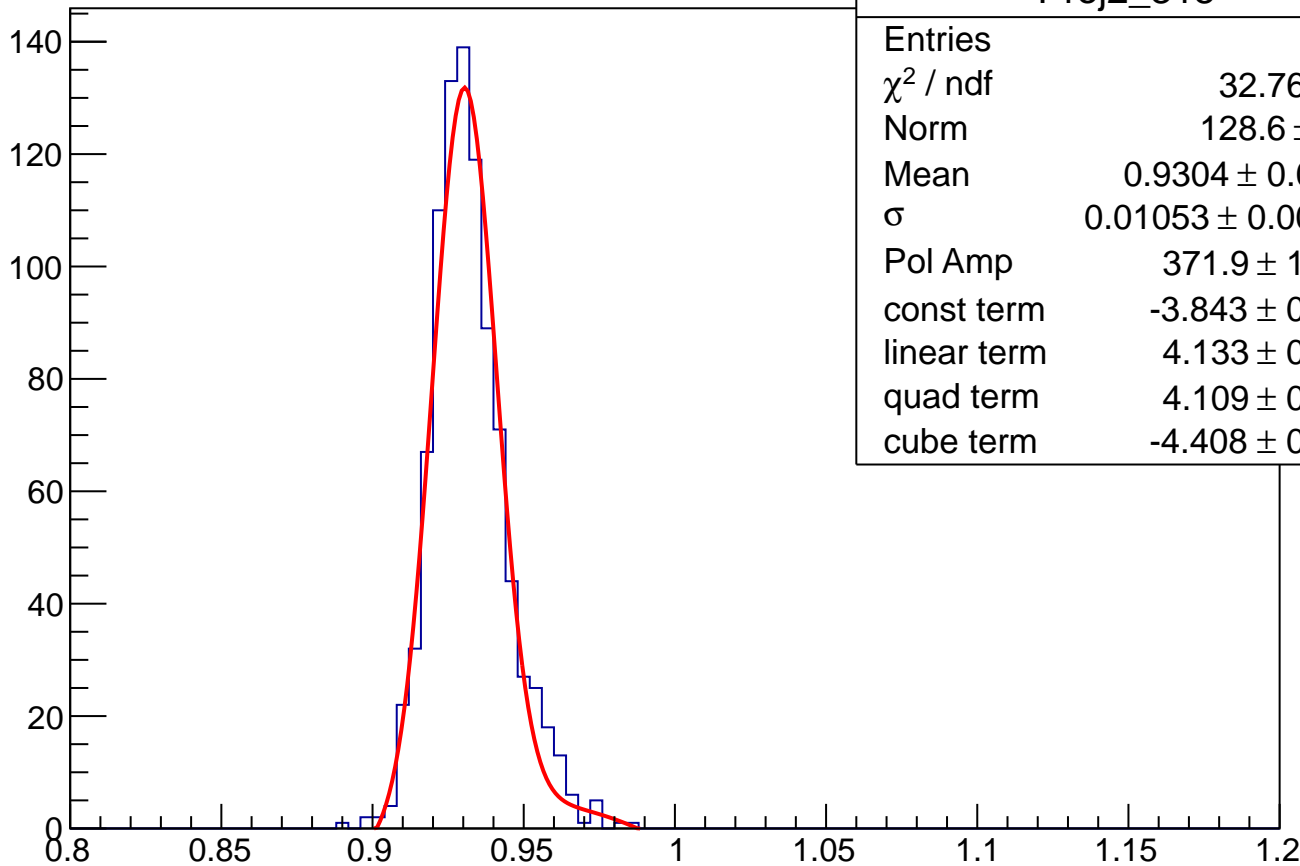
# PhiThetaMassPim



# PhiThetaMassPim

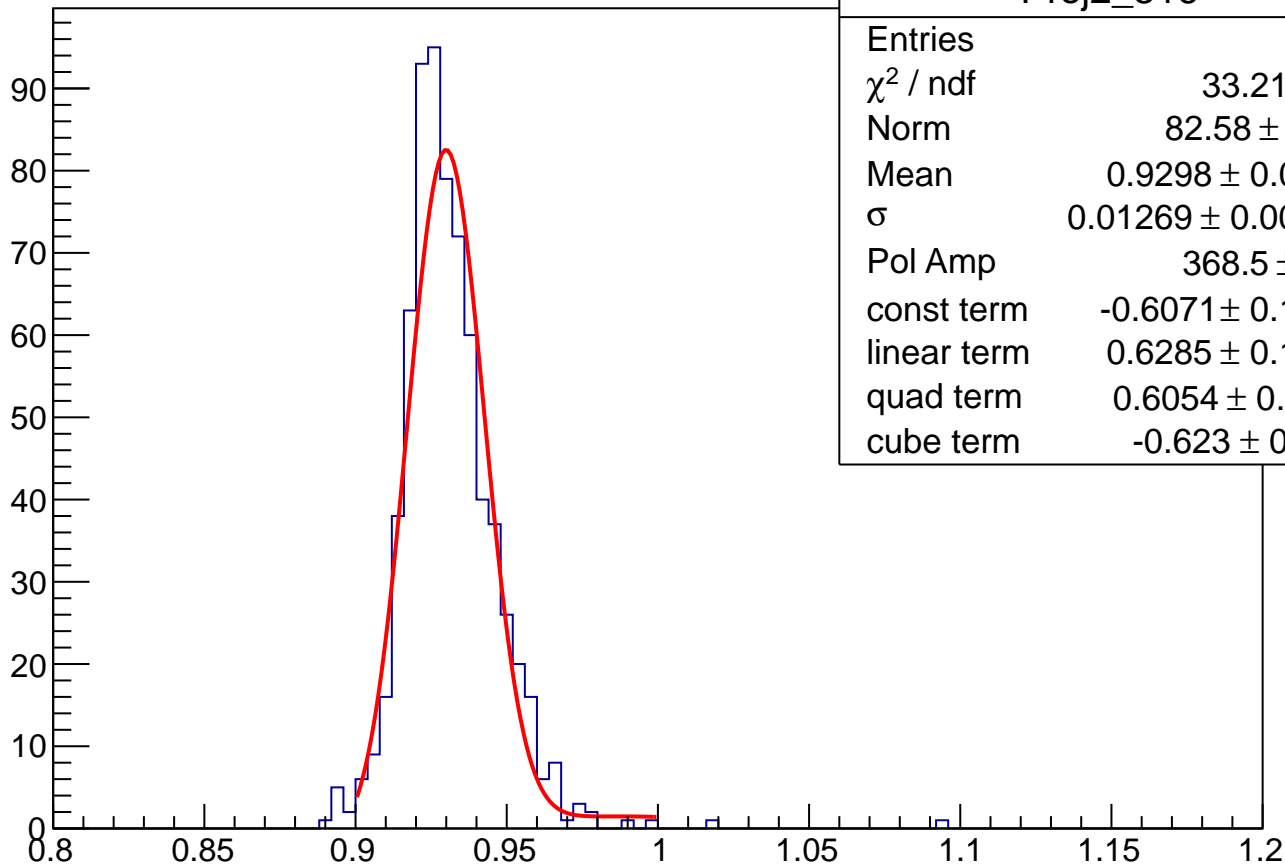


# PhiThetaMassPim





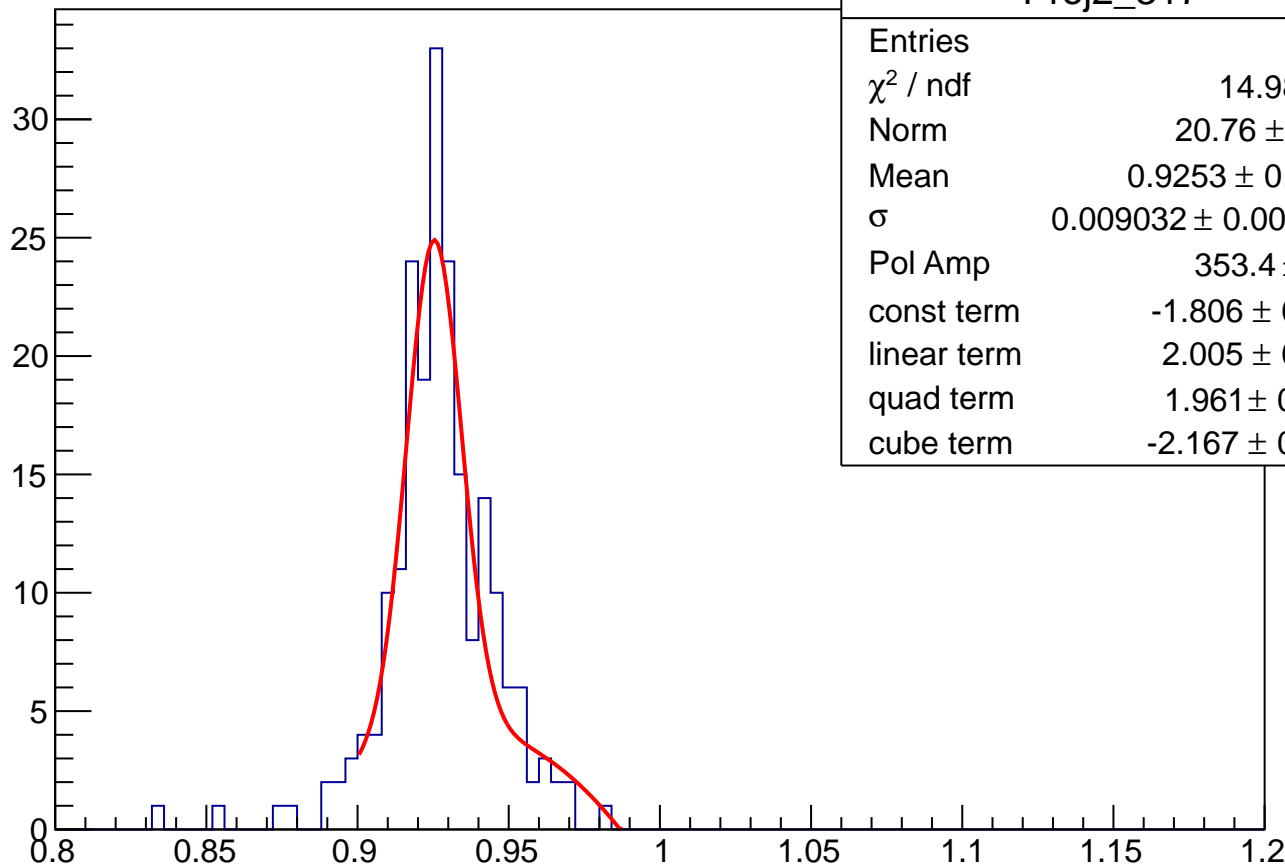
# PhiThetaMassPim



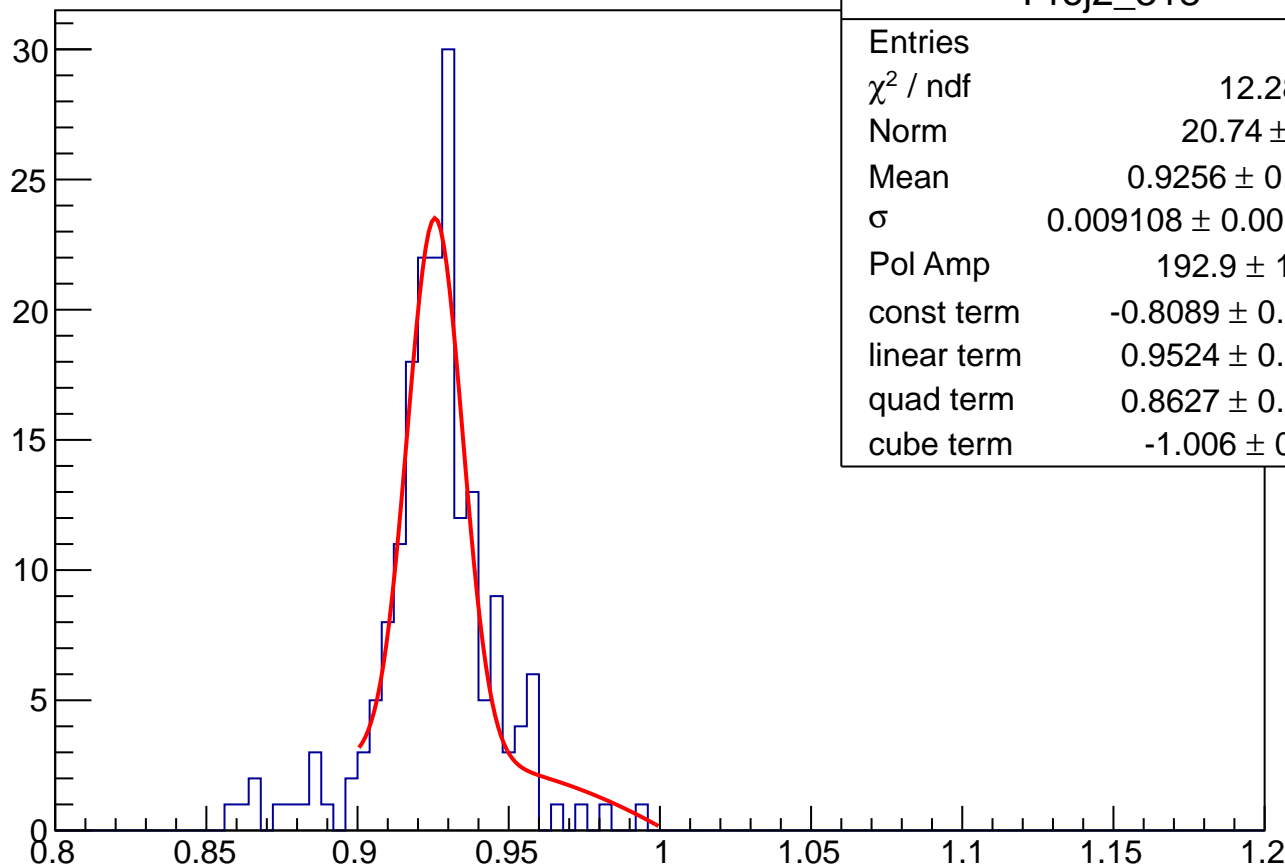
Proj2\_316

Entries	702
$\chi^2 / \text{ndf}$	33.21 / 14
Norm	$82.58 \pm 4.37$
Mean	$0.9298 \pm 0.0005$
$\sigma$	$0.01269 \pm 0.00086$
Pol Amp	$368.5 \pm 0.5$
const term	$-0.6071 \pm 0.1275$
linear term	$0.6285 \pm 0.1047$
quad term	$0.6054 \pm 0.1131$
cube term	$-0.623 \pm 0.095$

# PhiThetaMassPim



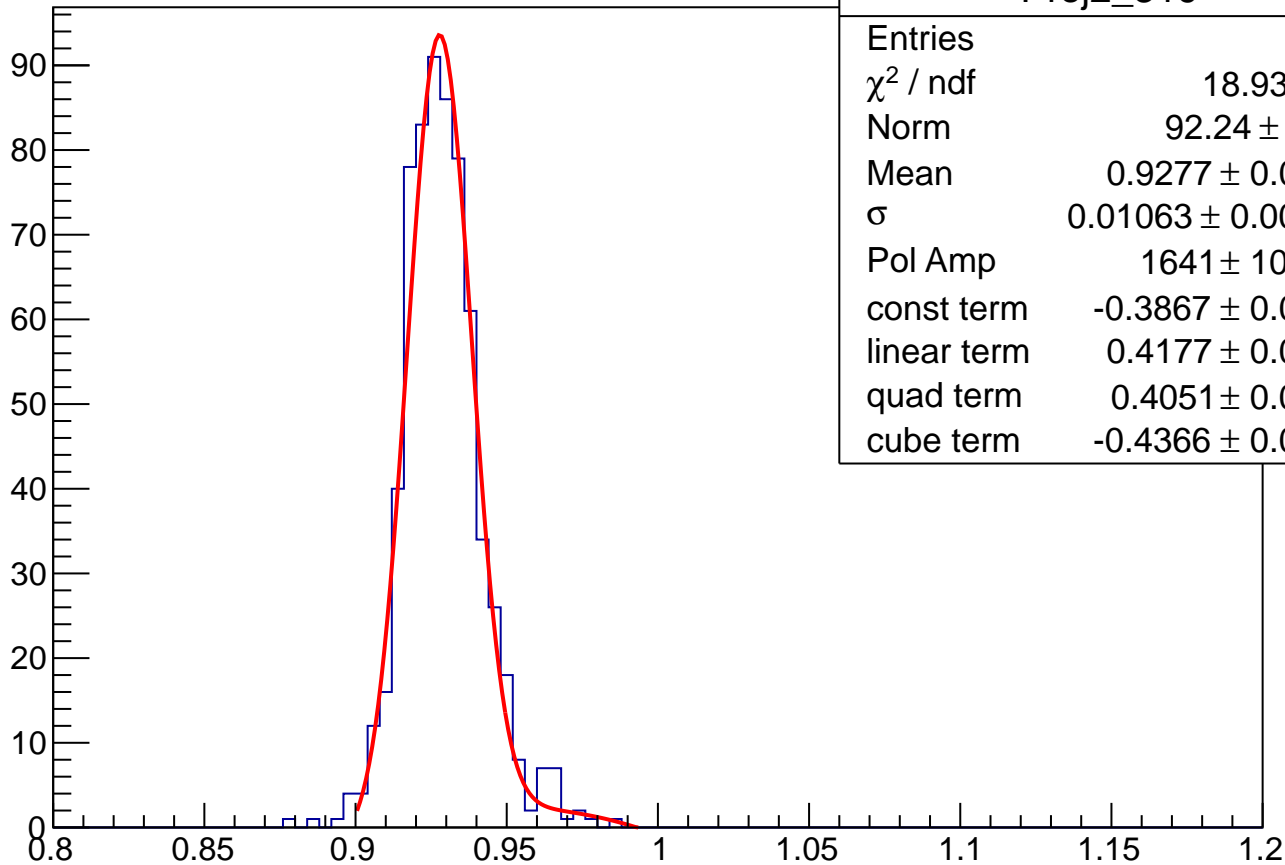
# PhiThetaMassPim



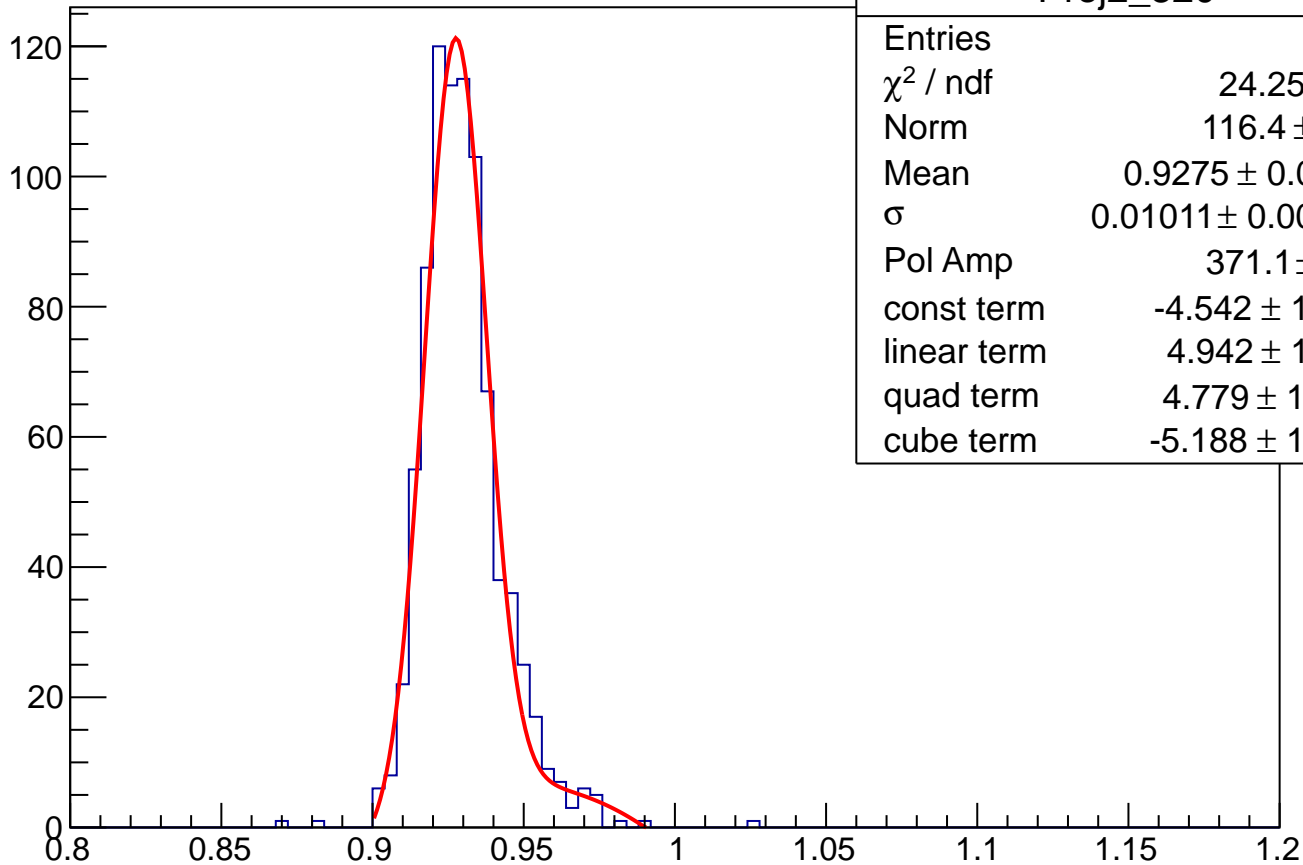
Proj2\_318

Entries	188
$\chi^2 / \text{ndf}$	12.28 / 11
Norm	$20.74 \pm 2.81$
Mean	$0.9256 \pm 0.0011$
$\sigma$	$0.009108 \pm 0.001445$
Pol Amp	$192.9 \pm 152.6$
const term	$-0.8089 \pm 0.0248$
linear term	$0.9524 \pm 0.0258$
quad term	$0.8627 \pm 0.0264$
cube term	$-1.006 \pm 0.027$

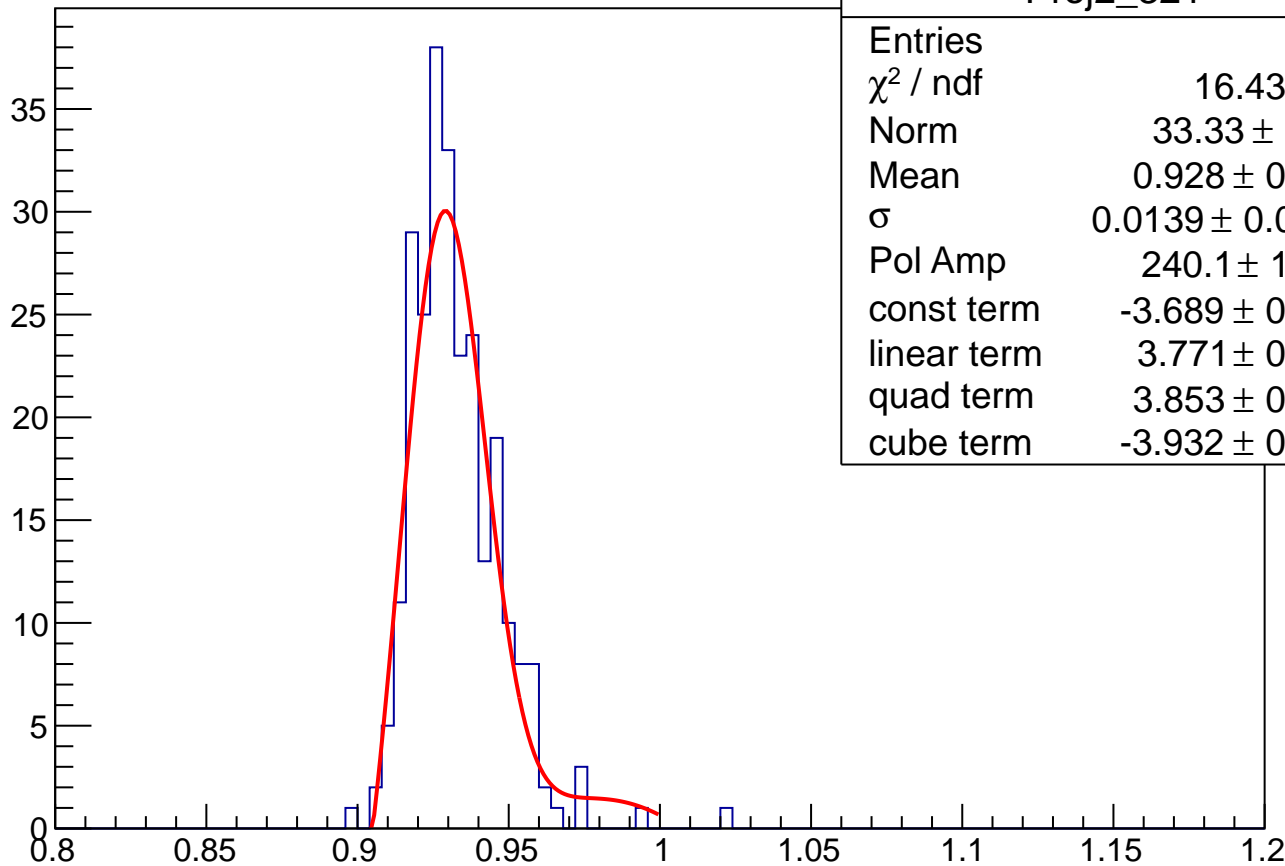
# PhiThetaMassPim



# PhiThetaMassPim



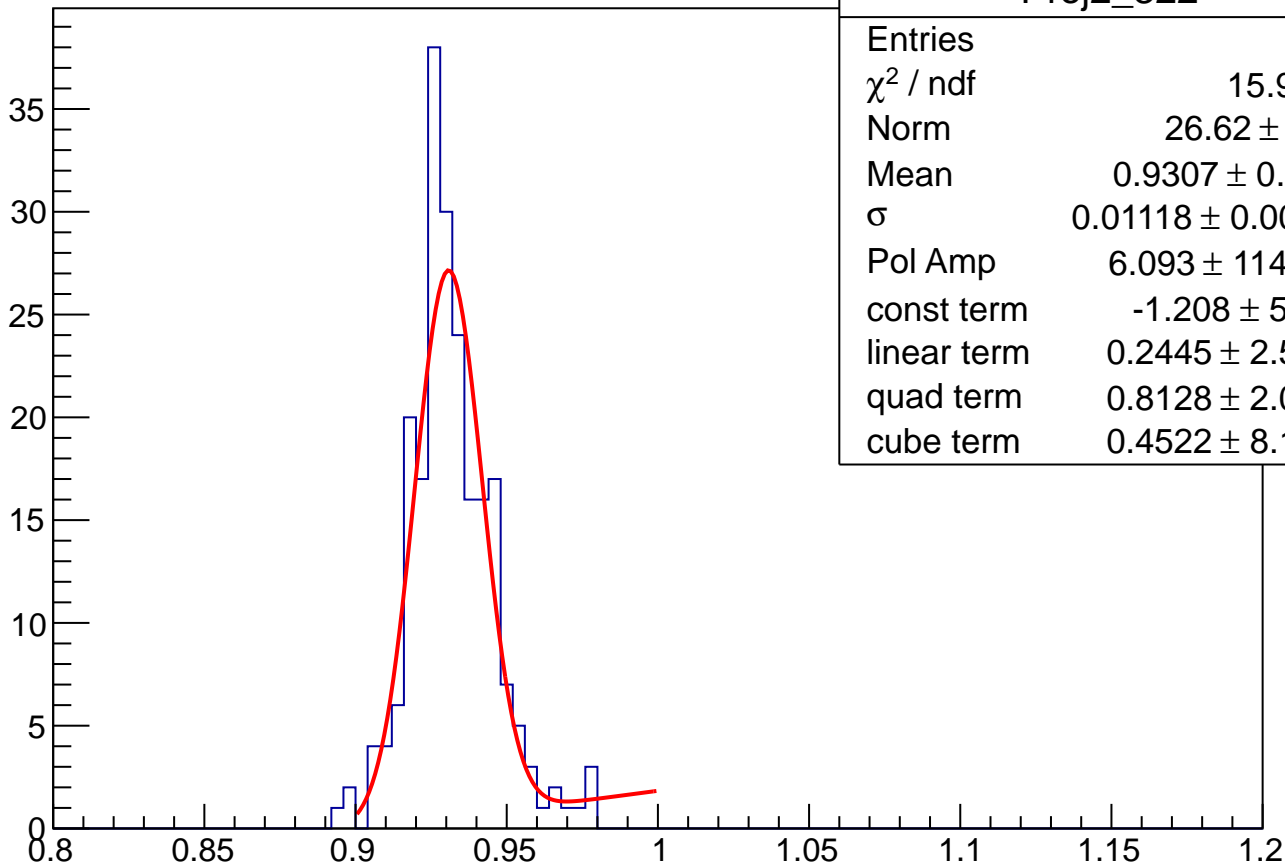
# PhiThetaMassPim



Proj2\_321

Entries	257
$\chi^2 / \text{ndf}$	16.43 / 10
Norm	$33.33 \pm 3.27$
Mean	$0.928 \pm 0.002$
$\sigma$	$0.0139 \pm 0.0015$
Pol Amp	$240.1 \pm 125.1$
const term	$-3.689 \pm 0.024$
linear term	$3.771 \pm 0.025$
quad term	$3.853 \pm 0.026$
cube term	$-3.932 \pm 0.026$

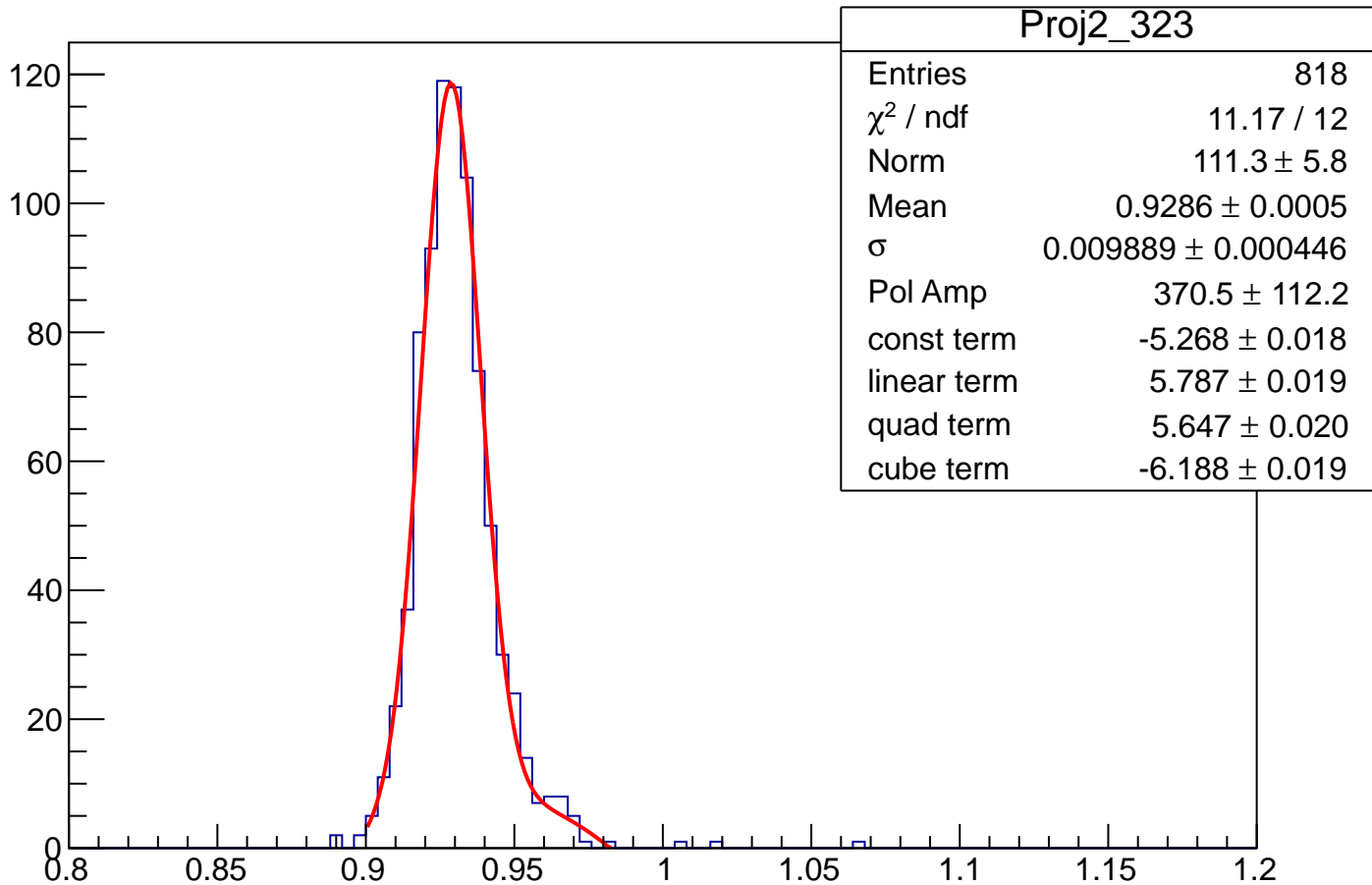
# PhiThetaMassPim



Proj2\_322

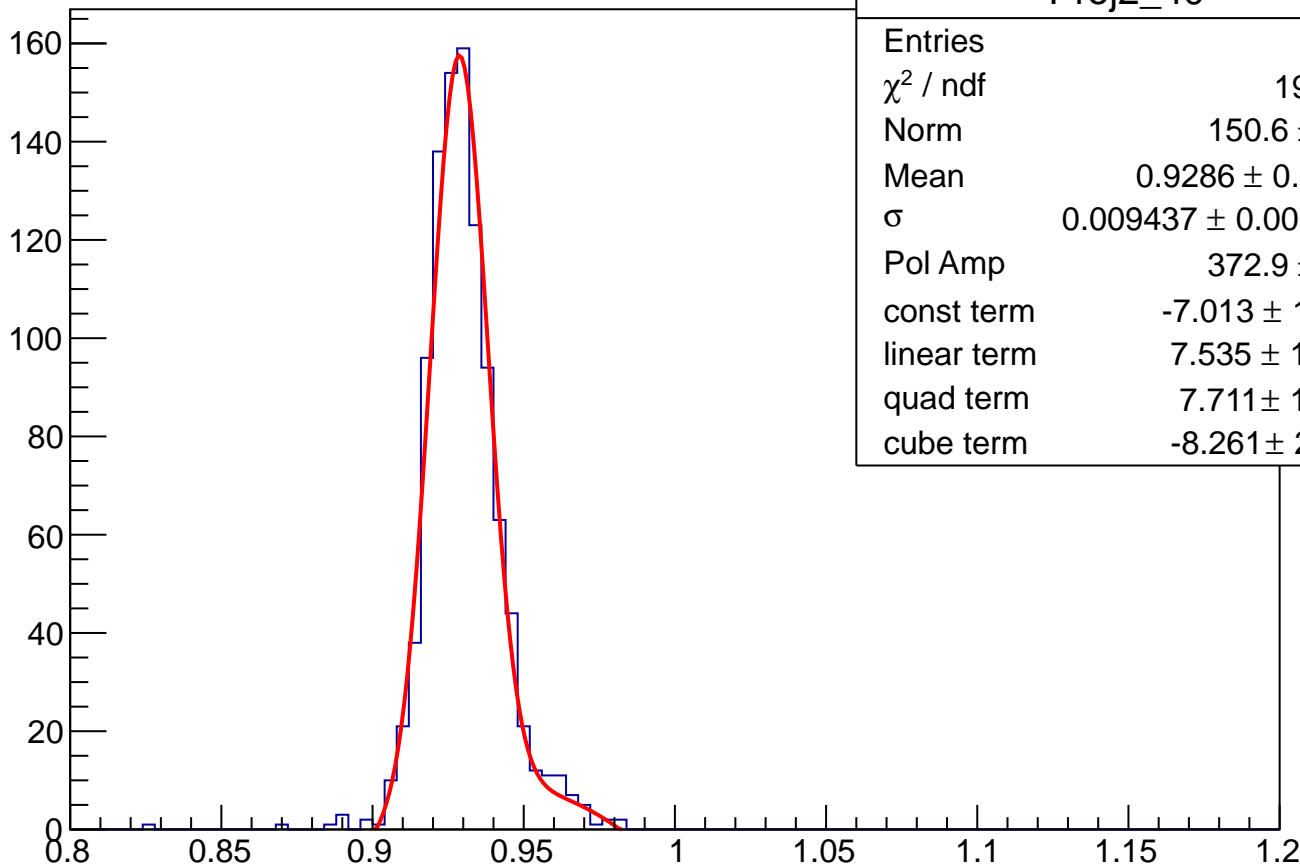
Entries	218
$\chi^2 / \text{ndf}$	15.9 / 11
Norm	$26.62 \pm 2.79$
Mean	$0.9307 \pm 0.0011$
$\sigma$	$0.01118 \pm 0.00138$
Pol Amp	$6.093 \pm 114.380$
const term	$-1.208 \pm 5.487$
linear term	$0.2445 \pm 2.5275$
quad term	$0.8128 \pm 2.0064$
cube term	$0.4522 \pm 8.1894$

# PhiThetaMassPim





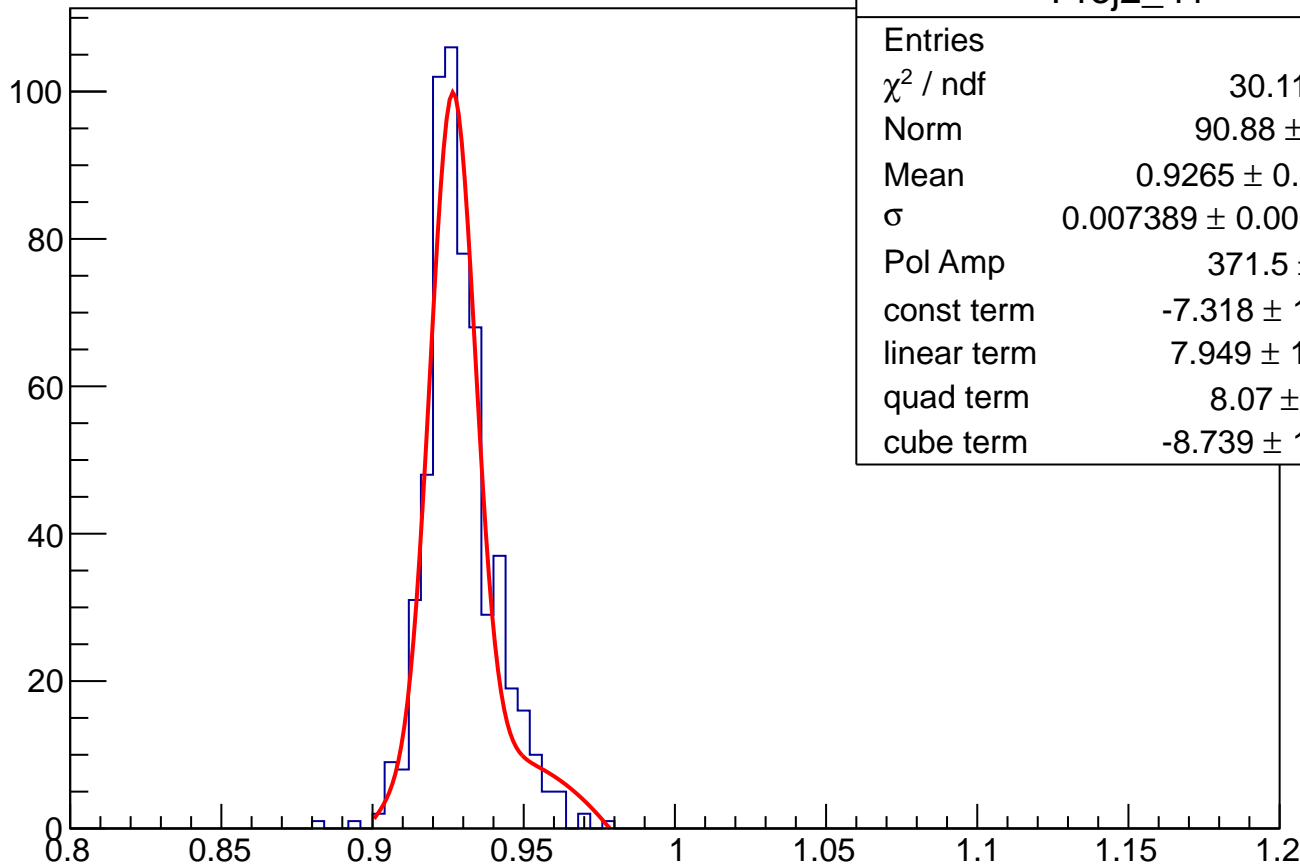
# PhiThetaMassPim



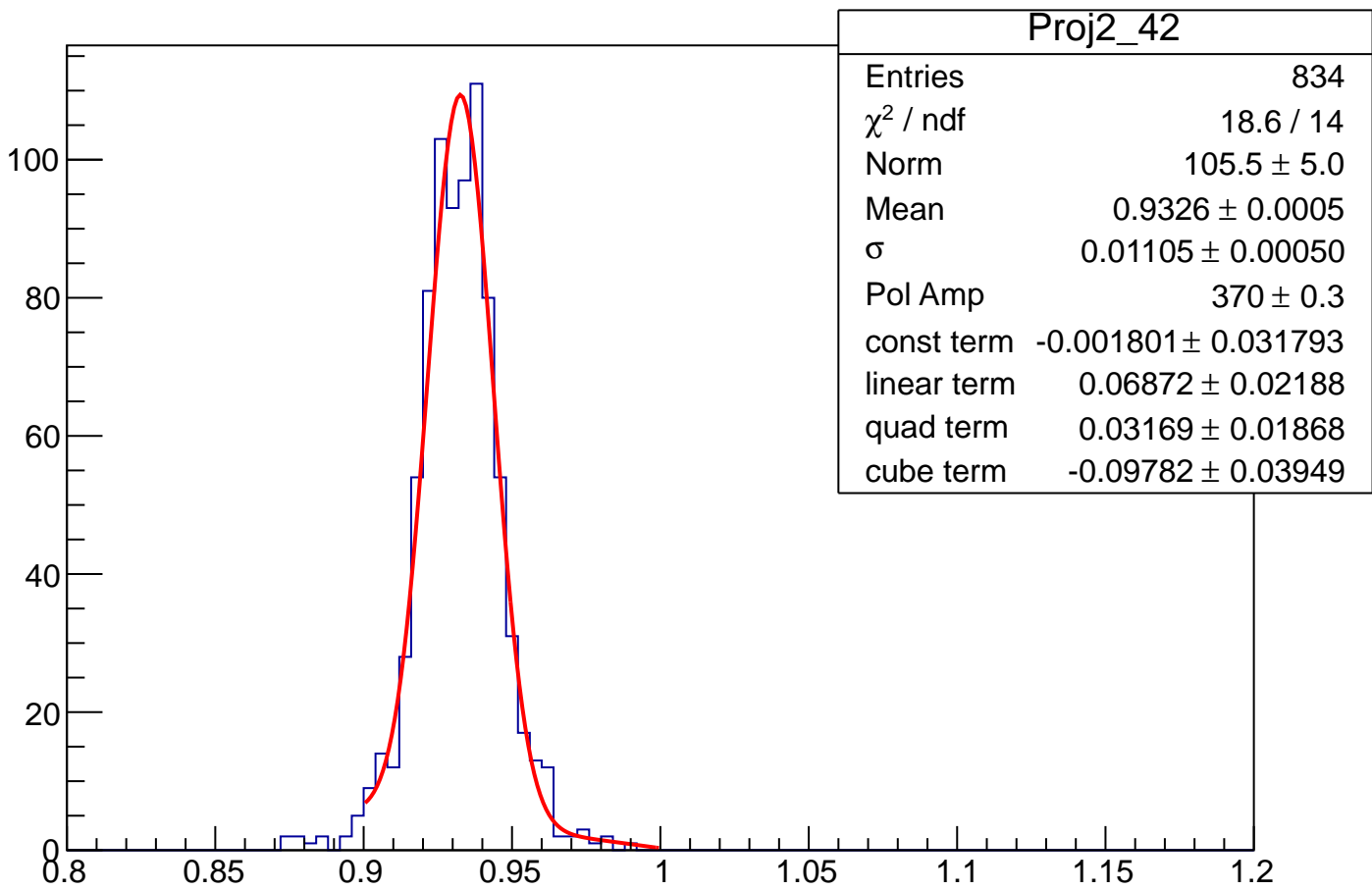
Proj2\_40

Entries	1021
$\chi^2 / \text{ndf}$	19 / 13
Norm	$150.6 \pm 6.4$
Mean	$0.9286 \pm 0.0004$
$\sigma$	$0.009437 \pm 0.000397$
Pol Amp	$372.9 \pm 1.0$
const term	$-7.013 \pm 1.772$
linear term	$7.535 \pm 1.923$
quad term	$7.711 \pm 1.958$
cube term	$-8.261 \pm 2.119$

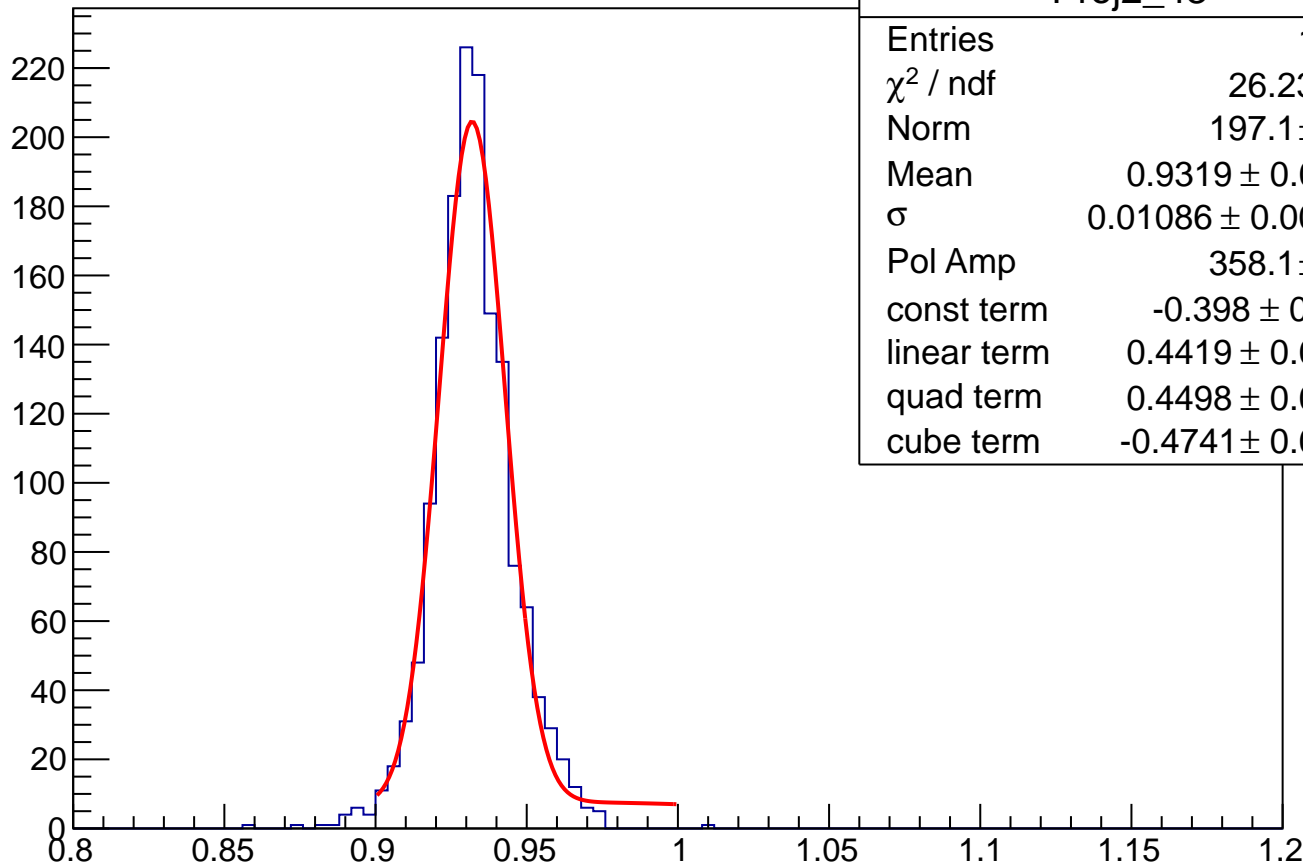
# PhiThetaMassPim



# PhiThetaMassPim



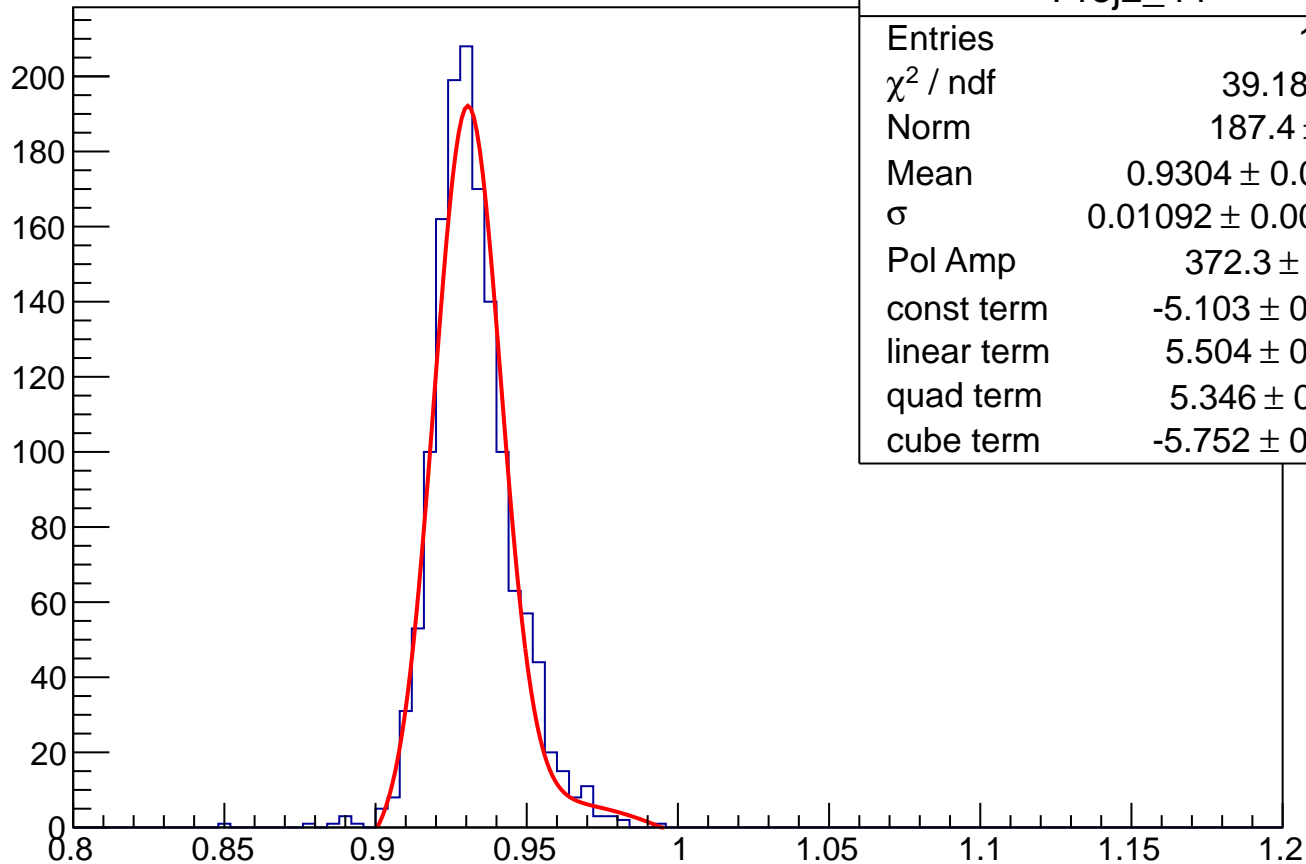
# PhiThetaMassPim



Proj2\_43

Entries	1524
$\chi^2 / \text{ndf}$	26.23 / 11
Norm	$197.1 \pm 7.4$
Mean	$0.9319 \pm 0.0004$
$\sigma$	$0.01086 \pm 0.00042$
Pol Amp	$358.1 \pm 0.7$
const term	$-0.398 \pm 0.084$
linear term	$0.4419 \pm 0.0489$
quad term	$0.4498 \pm 0.0649$
cube term	$-0.4741 \pm 0.0596$

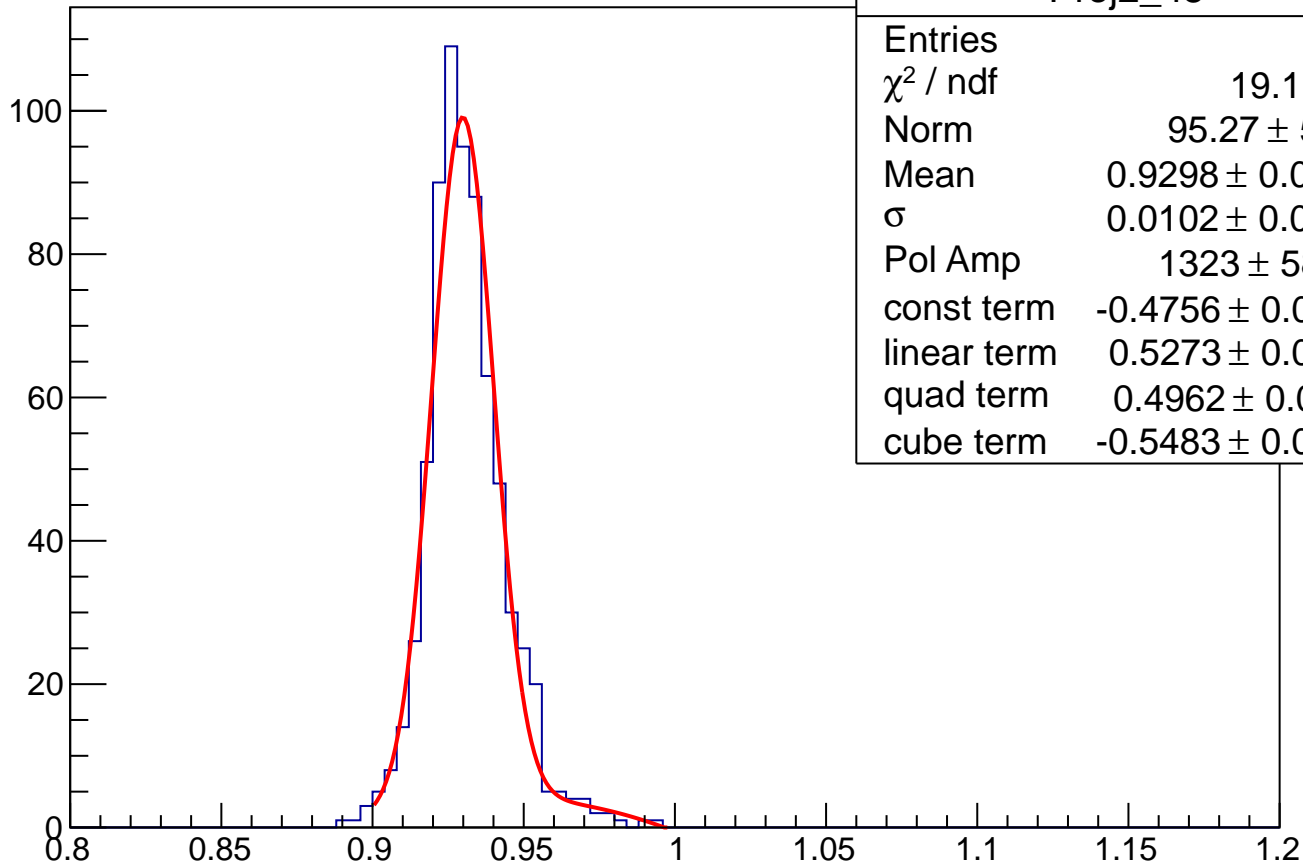
# PhiThetaMassPim



Proj2\_44

Entries	1410
$\chi^2 / \text{ndf}$	39.18 / 14
Norm	$187.4 \pm 7.1$
Mean	$0.9304 \pm 0.0004$
$\sigma$	$0.01092 \pm 0.00033$
Pol Amp	$372.3 \pm 79.8$
const term	$-5.103 \pm 0.018$
linear term	$5.504 \pm 0.020$
quad term	$5.346 \pm 0.021$
cube term	$-5.752 \pm 0.020$

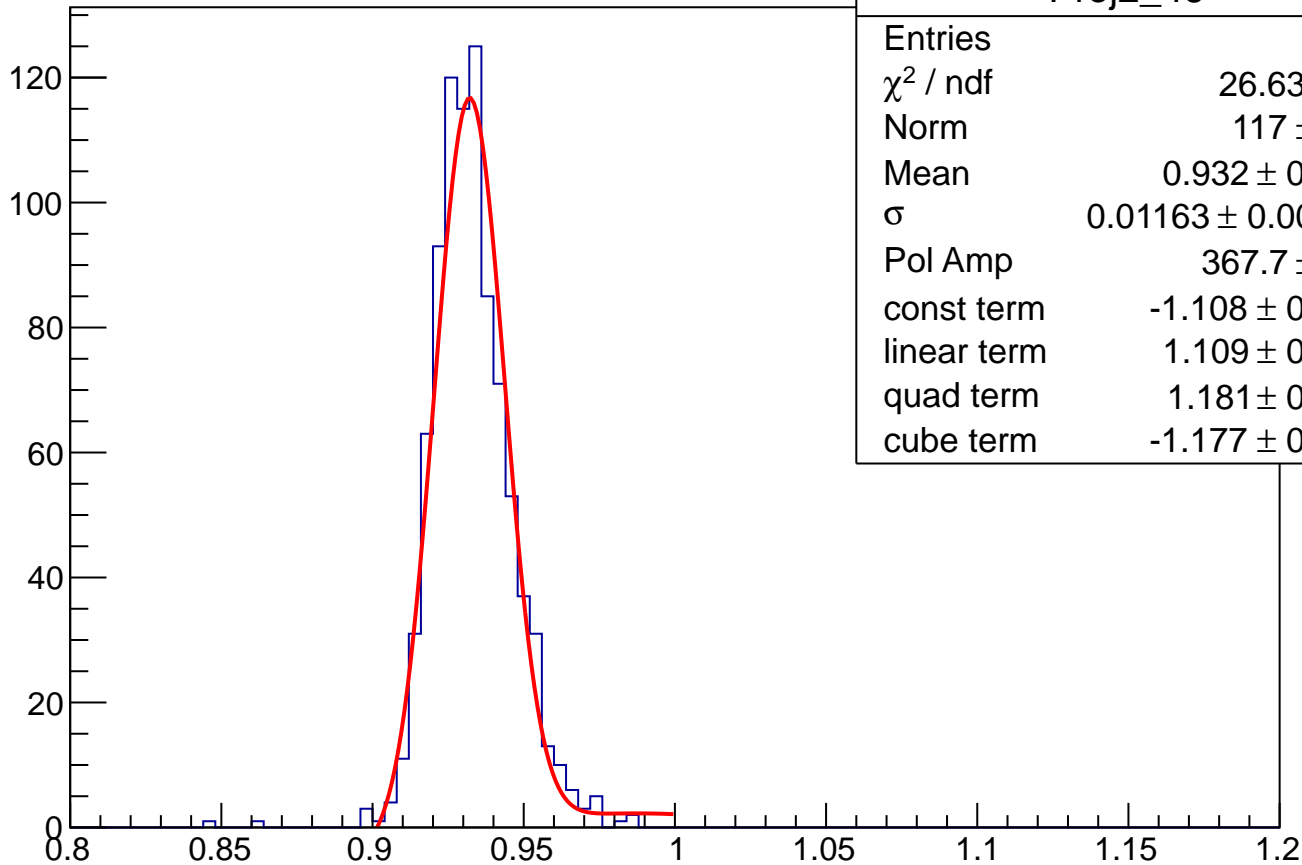
# PhiThetaMassPim



Proj2\_45

Entries	702
$\chi^2 / \text{ndf}$	19.1 / 15
Norm	$95.27 \pm 5.23$
Mean	$0.9298 \pm 0.0005$
$\sigma$	$0.0102 \pm 0.0005$
Pol Amp	$1323 \pm 582.6$
const term	$-0.4756 \pm 0.0038$
linear term	$0.5273 \pm 0.0040$
quad term	$0.4962 \pm 0.0041$
cube term	$-0.5483 \pm 0.0040$

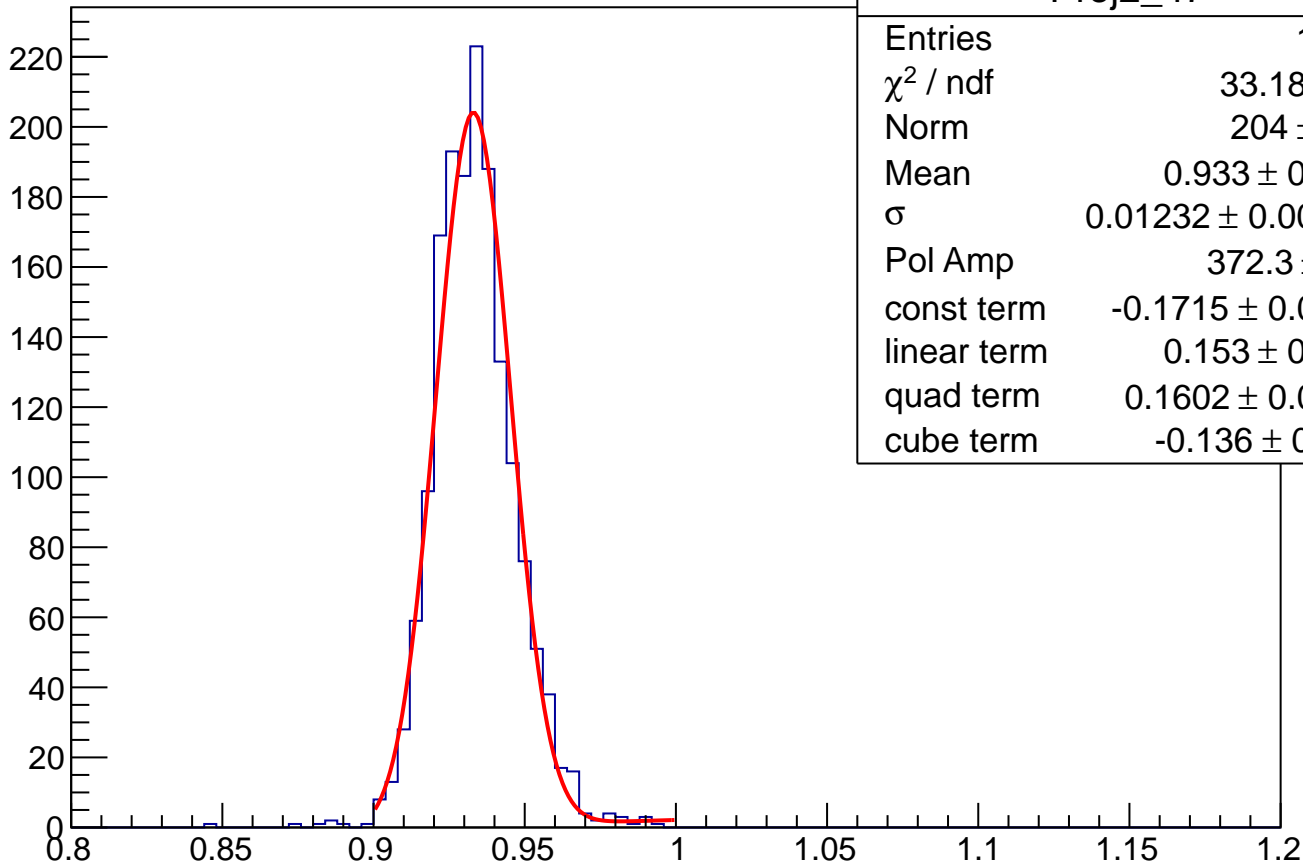
# PhiThetaMassPim



Proj2\_46

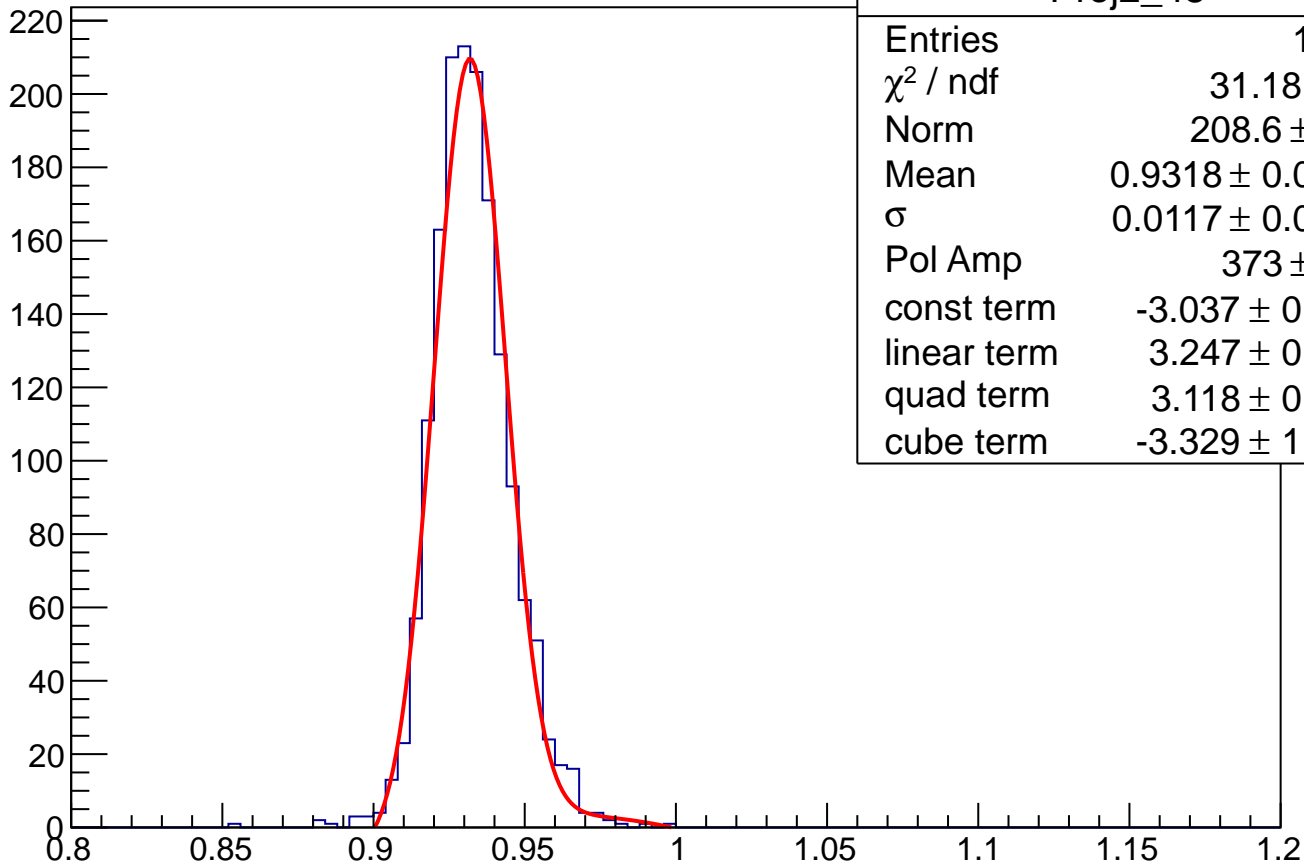
Entries	885
$\chi^2 / \text{ndf}$	26.63 / 13
Norm	$117 \pm 5.3$
Mean	$0.932 \pm 0.000$
$\sigma$	$0.01163 \pm 0.00046$
Pol Amp	$367.7 \pm 0.4$
const term	$-1.108 \pm 0.188$
linear term	$1.109 \pm 0.186$
quad term	$1.181 \pm 0.198$
cube term	$-1.177 \pm 0.198$

# PhiThetaMassPim





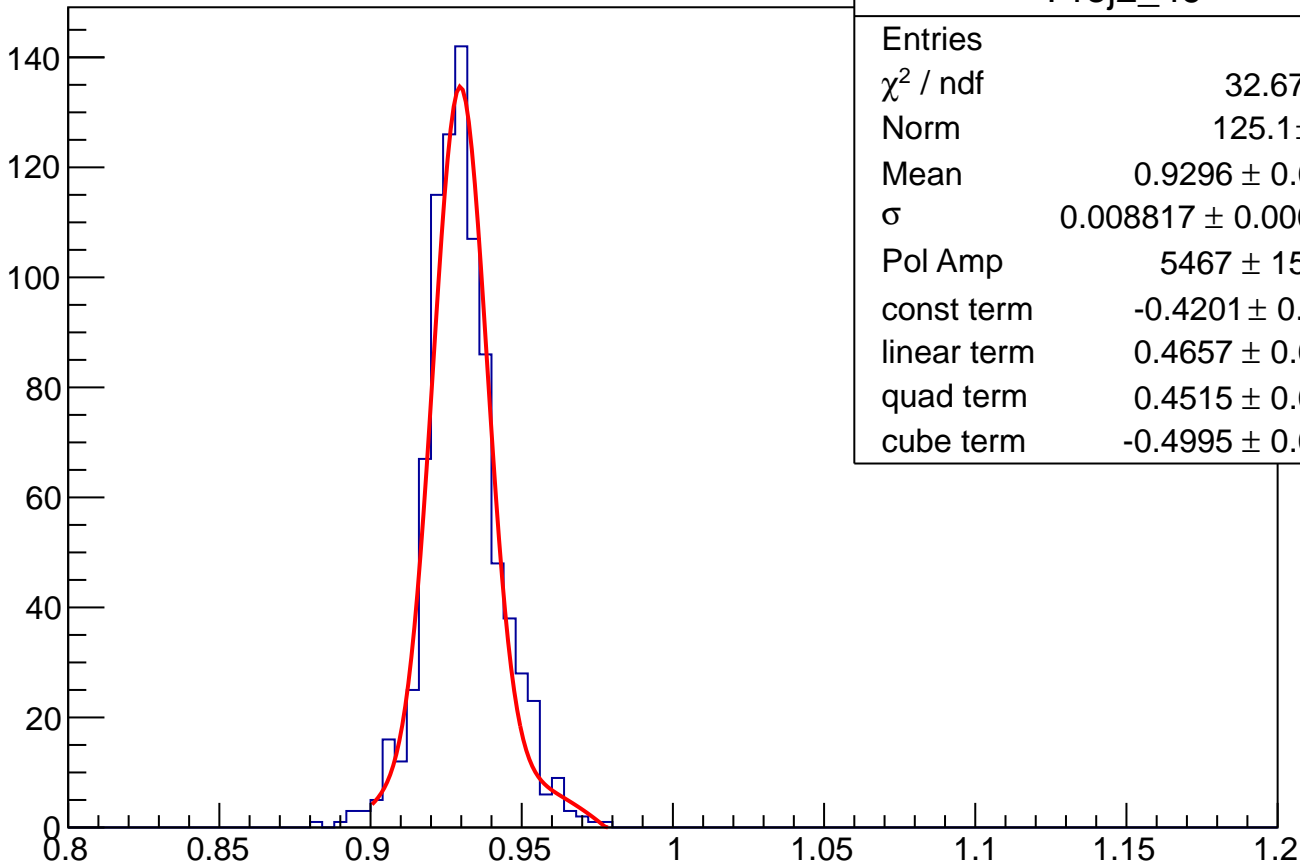
# PhiThetaMassPim



Proj2\_48

Entries	1586
$\chi^2 / \text{ndf}$	31.18 / 15
Norm	$208.6 \pm 7.0$
Mean	$0.9318 \pm 0.0004$
$\sigma$	$0.0117 \pm 0.0004$
Pol Amp	$373 \pm 0.2$
const term	$-3.037 \pm 0.909$
linear term	$3.247 \pm 0.982$
quad term	$3.118 \pm 0.938$
cube term	$-3.329 \pm 1.014$

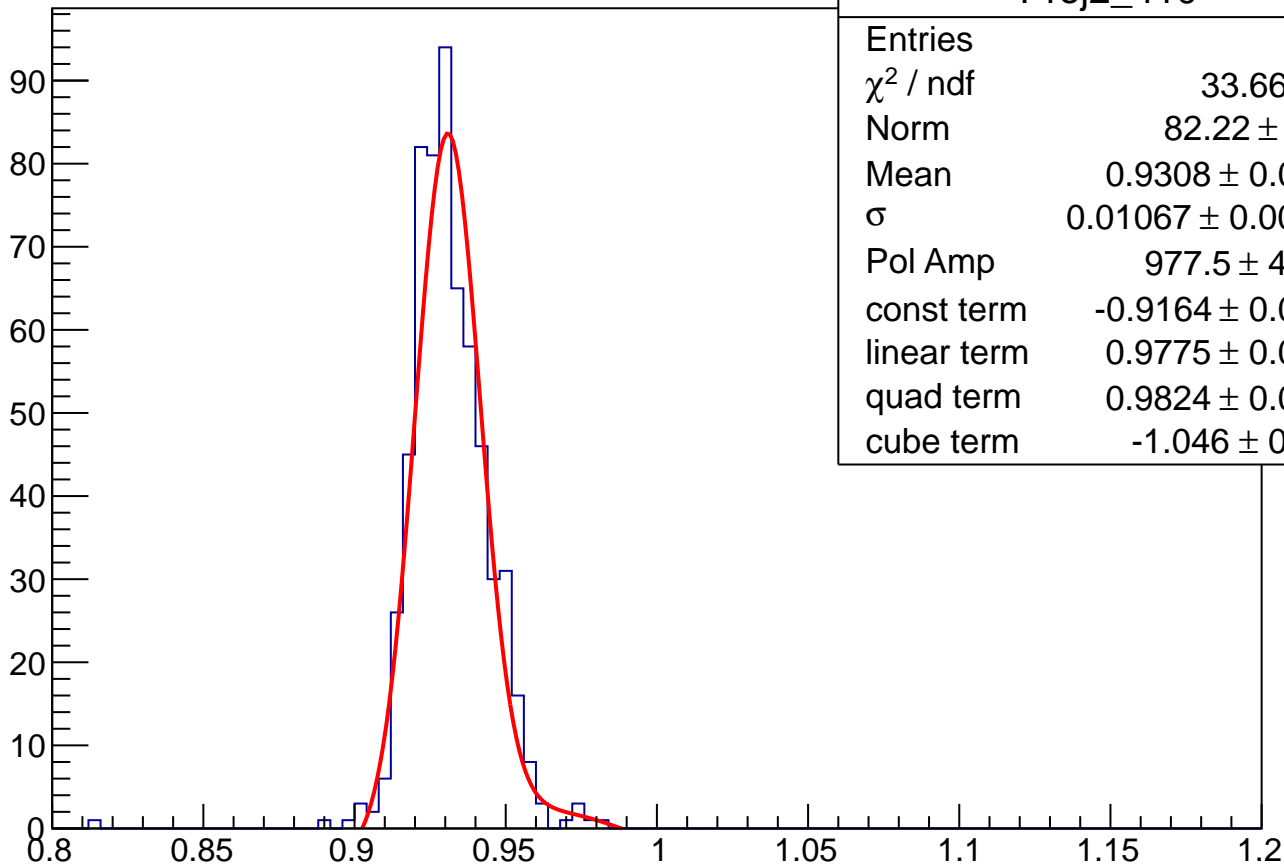
# PhiThetaMassPim



Proj2\_49

Entries	868
$\chi^2 / \text{ndf}$	32.67 / 12
Norm	$125.1 \pm 6.7$
Mean	$0.9296 \pm 0.0004$
$\sigma$	$0.008817 \pm 0.000458$
Pol Amp	$5467 \pm 1548.9$
const term	$-0.4201 \pm 0.0011$
linear term	$0.4657 \pm 0.0012$
quad term	$0.4515 \pm 0.0013$
cube term	$-0.4995 \pm 0.0012$

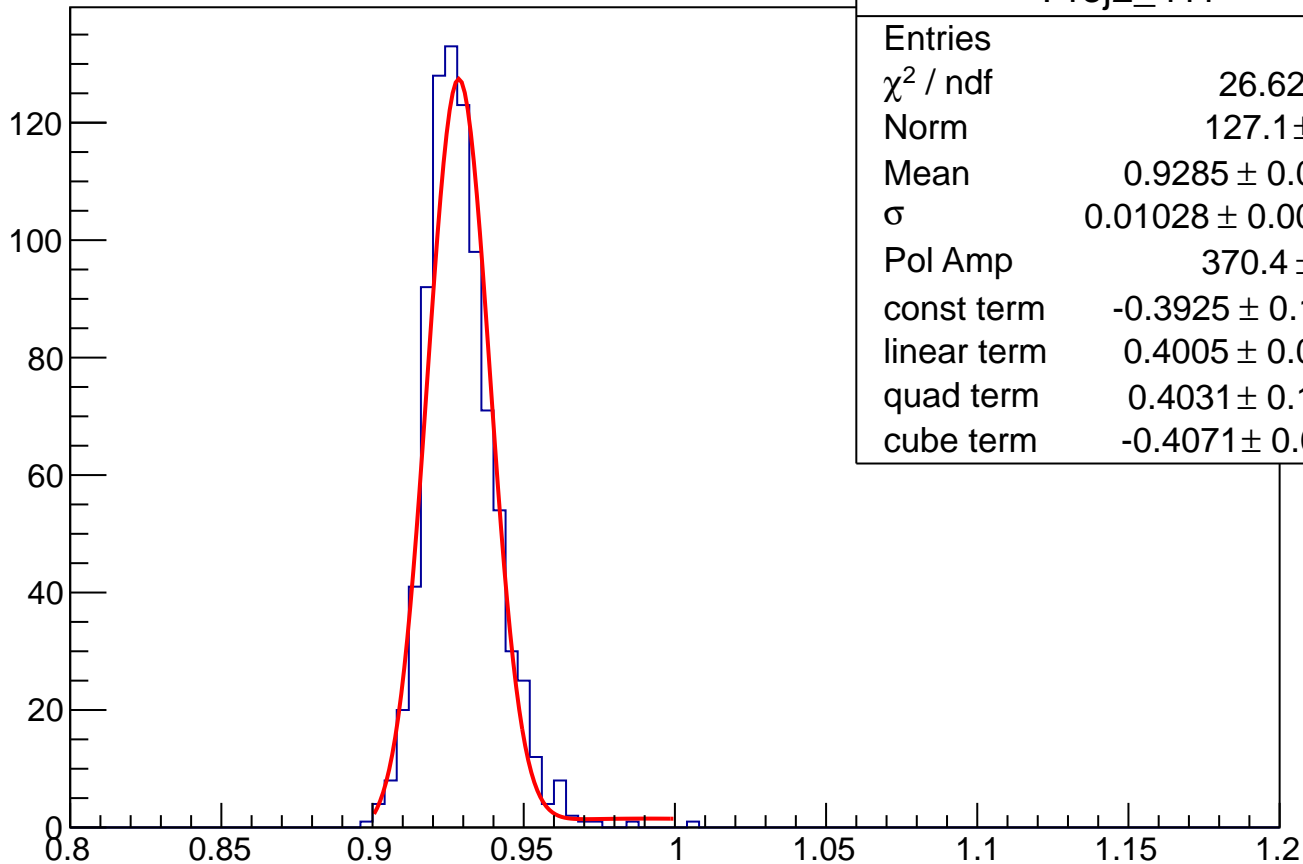
# PhiThetaMassPim



Proj2\_410

Entries	605
$\chi^2 / \text{ndf}$	33.66 / 12
Norm	$82.22 \pm 4.59$
Mean	$0.9308 \pm 0.0006$
$\sigma$	$0.01067 \pm 0.00047$
Pol Amp	$977.5 \pm 422.4$
const term	$-0.9164 \pm 0.0056$
linear term	$0.9775 \pm 0.0060$
quad term	$0.9824 \pm 0.0062$
cube term	$-1.046 \pm 0.006$

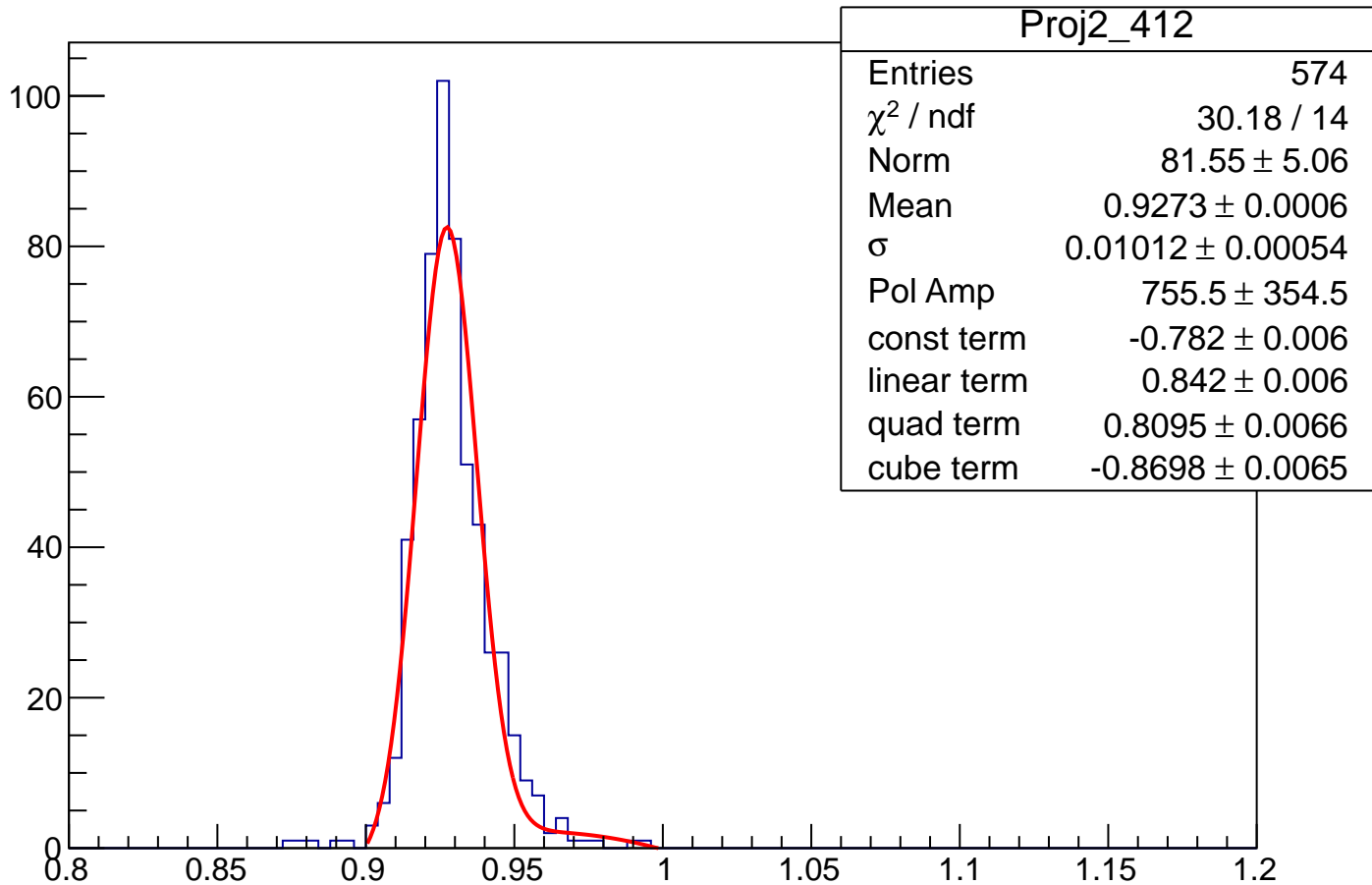
# PhiThetaMassPim



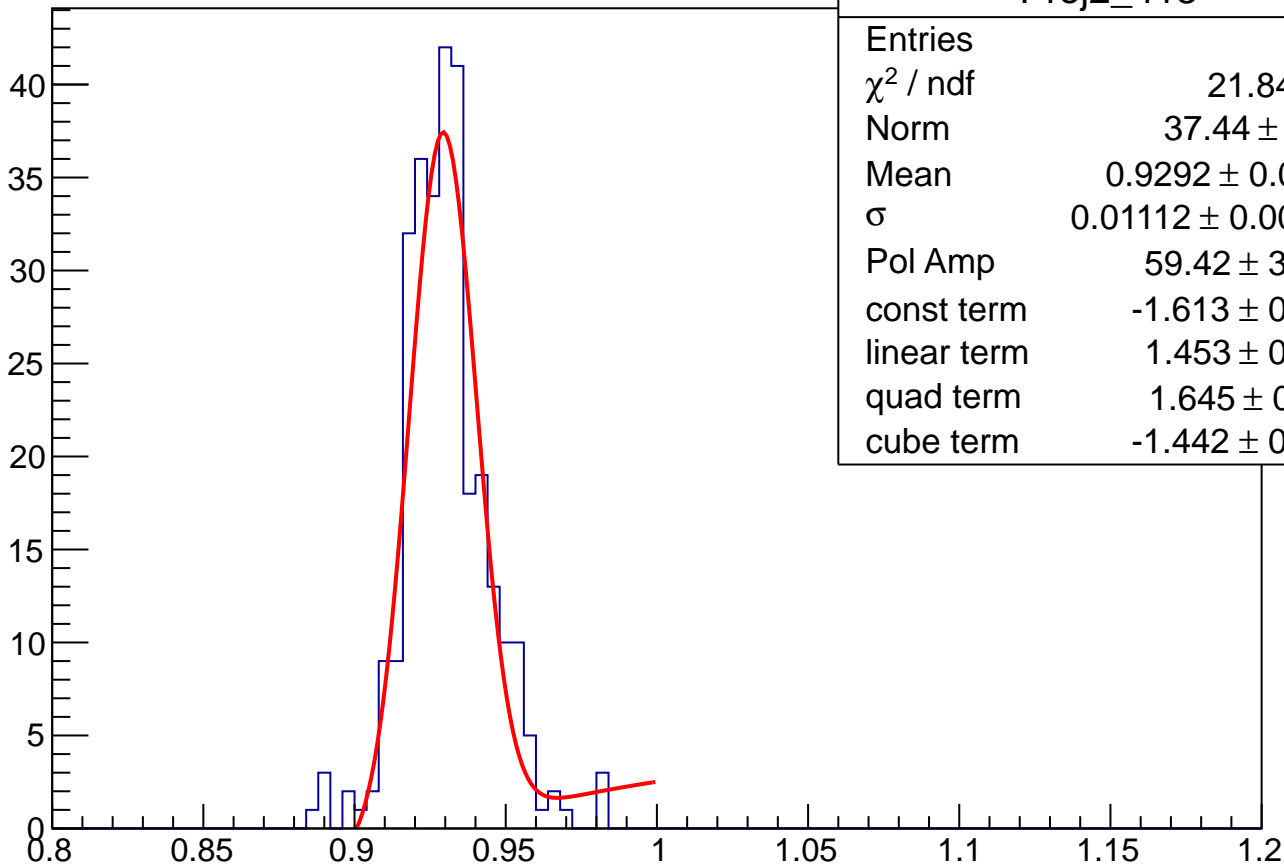
Proj2\_411

Entries	858
$\chi^2 / \text{ndf}$	26.62 / 12
Norm	$127.1 \pm 5.9$
Mean	$0.9285 \pm 0.0004$
$\sigma$	$0.01028 \pm 0.00047$
Pol Amp	$370.4 \pm 0.4$
const term	$-0.3925 \pm 0.1138$
linear term	$0.4005 \pm 0.0966$
quad term	$0.4031 \pm 0.1058$
cube term	$-0.4071 \pm 0.0931$

# PhiThetaMassPim



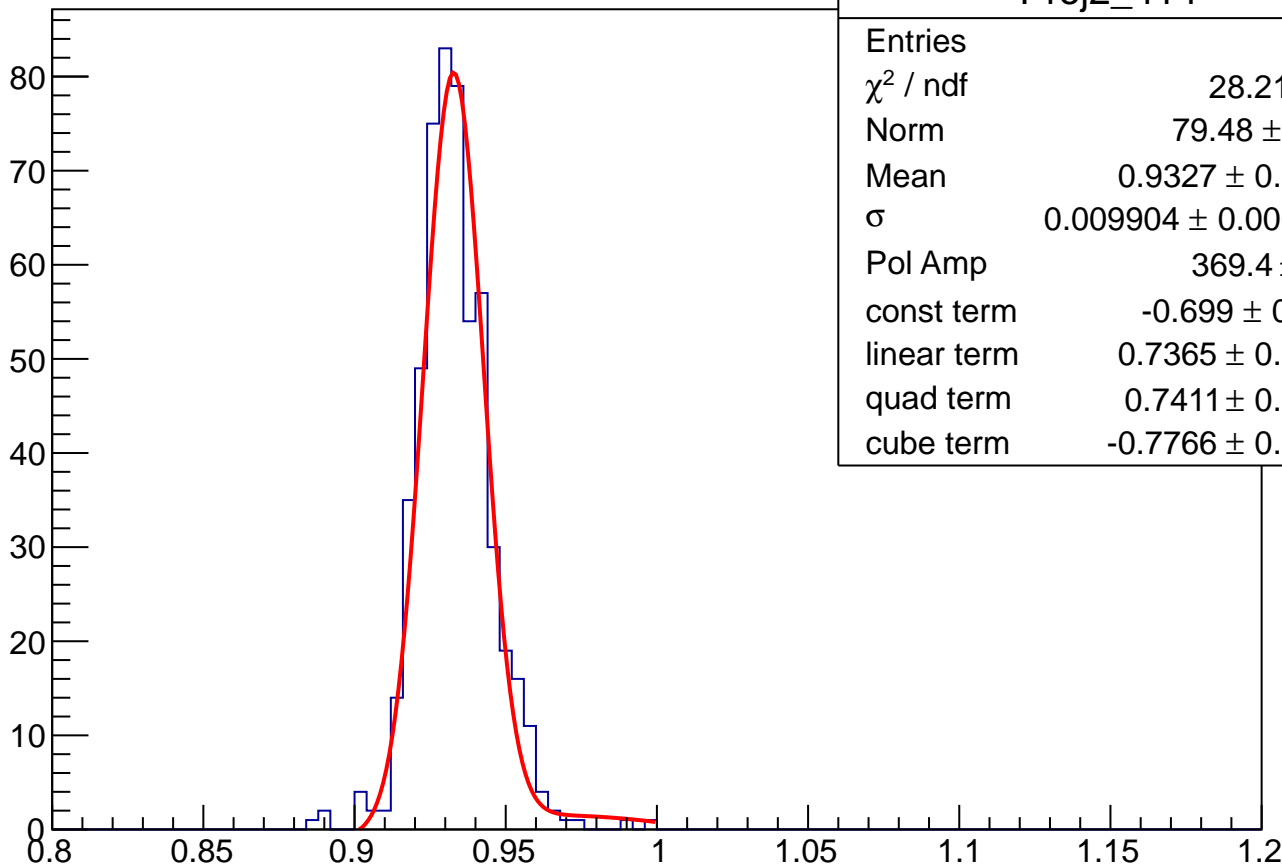
# PhiThetaMassPim



Proj2\_413

Entries	294
$\chi^2 / \text{ndf}$	21.84 / 11
Norm	$37.44 \pm 3.09$
Mean	$0.9292 \pm 0.0008$
$\sigma$	$0.01112 \pm 0.00107$
Pol Amp	$59.42 \pm 39.18$
const term	$-1.613 \pm 0.089$
linear term	$1.453 \pm 0.095$
quad term	$1.645 \pm 0.101$
cube term	$-1.442 \pm 0.107$

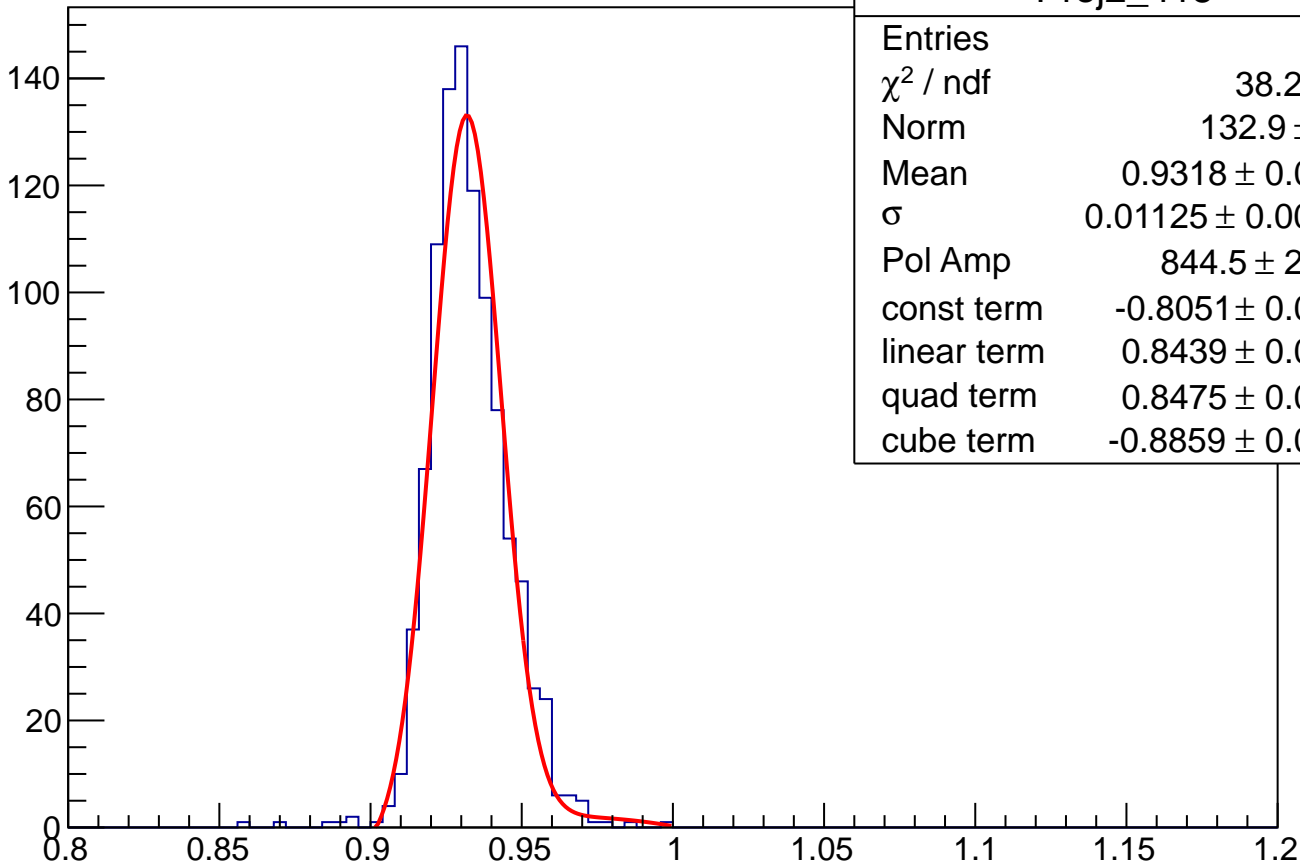
# PhiThetaMassPim



Proj2\_414

Entries	543
$\chi^2 / \text{ndf}$	28.21 / 13
Norm	$79.48 \pm 4.58$
Mean	$0.9327 \pm 0.0005$
$\sigma$	$0.009904 \pm 0.000443$
Pol Amp	$369.4 \pm 0.4$
const term	$-0.699 \pm 0.258$
linear term	$0.7365 \pm 0.2677$
quad term	$0.7411 \pm 0.2708$
cube term	$-0.7766 \pm 0.2820$

# PhiThetaMassPim

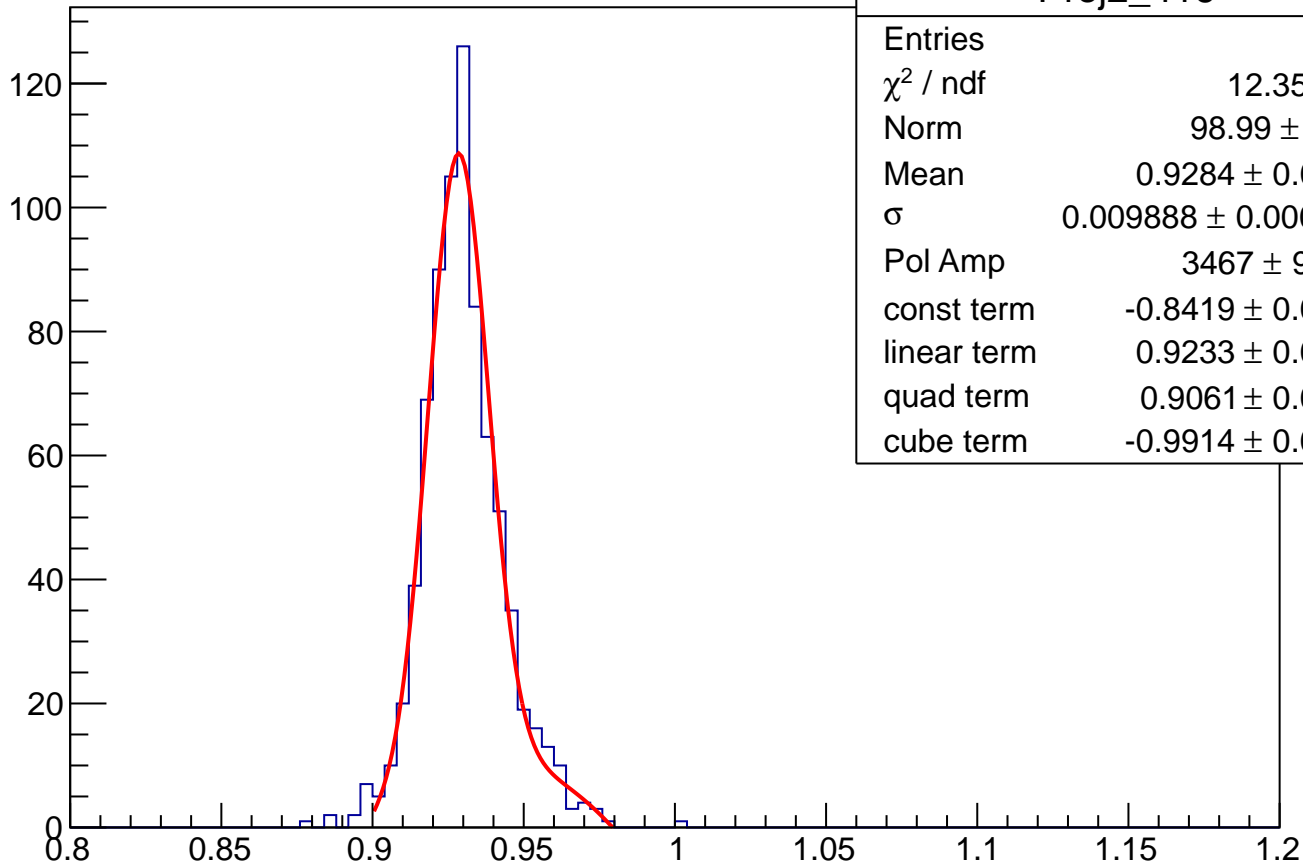


Proj2\_415

Entries	985
$\chi^2 / \text{ndf}$	38.2 / 14
Norm	$132.9 \pm 5.7$
Mean	$0.9318 \pm 0.0004$
$\sigma$	$0.01125 \pm 0.00038$
Pol Amp	$844.5 \pm 245.7$
const term	$-0.8051 \pm 0.0059$
linear term	$0.8439 \pm 0.0064$
quad term	$0.8475 \pm 0.0066$
cube term	$-0.8859 \pm 0.0065$



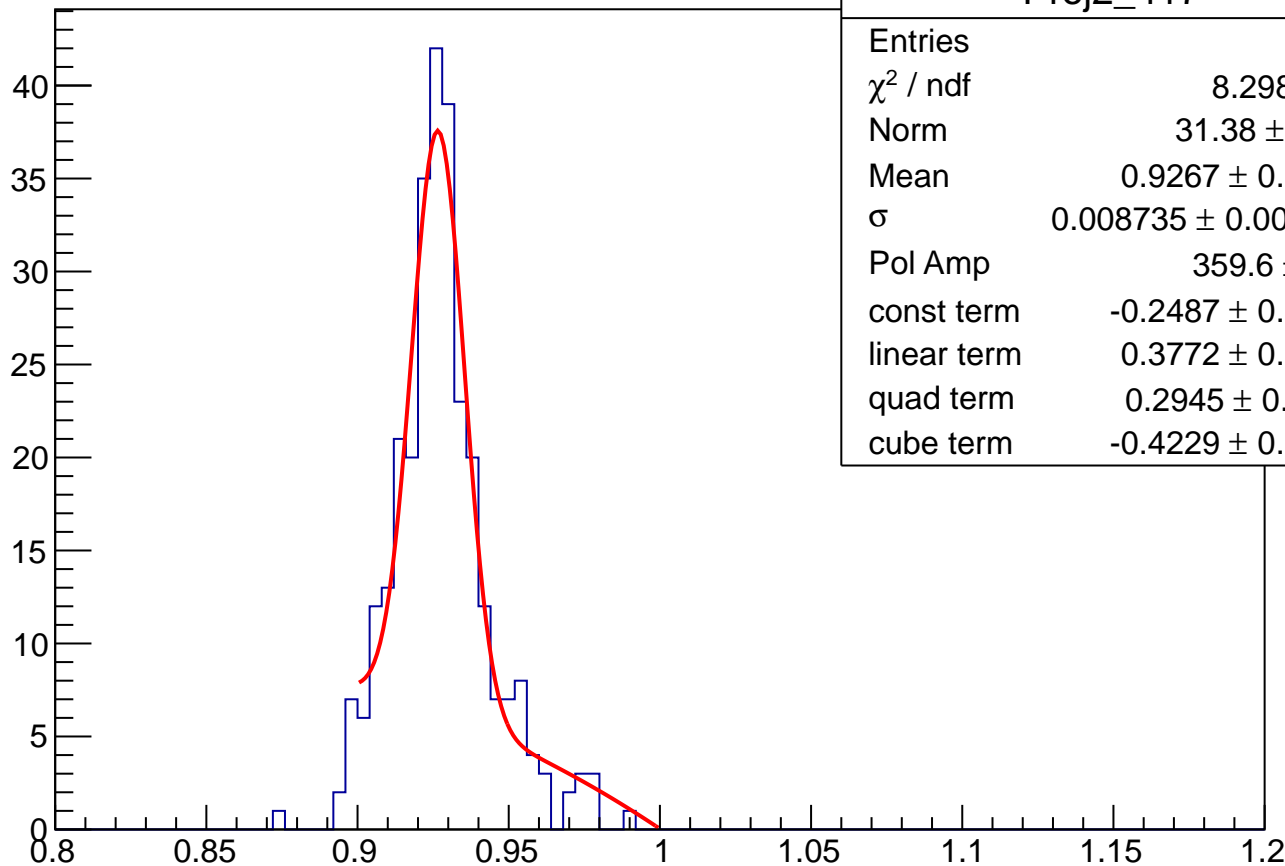
# PhiThetaMassPim



Proj2\_416

Entries	779
$\chi^2 / \text{ndf}$	12.35 / 12
Norm	$98.99 \pm 5.64$
Mean	$0.9284 \pm 0.0005$
$\sigma$	$0.009888 \pm 0.000516$
Pol Amp	$3467 \pm 923.0$
const term	$-0.8419 \pm 0.0020$
linear term	$0.9233 \pm 0.0022$
quad term	$0.9061 \pm 0.0023$
cube term	$-0.9914 \pm 0.0023$

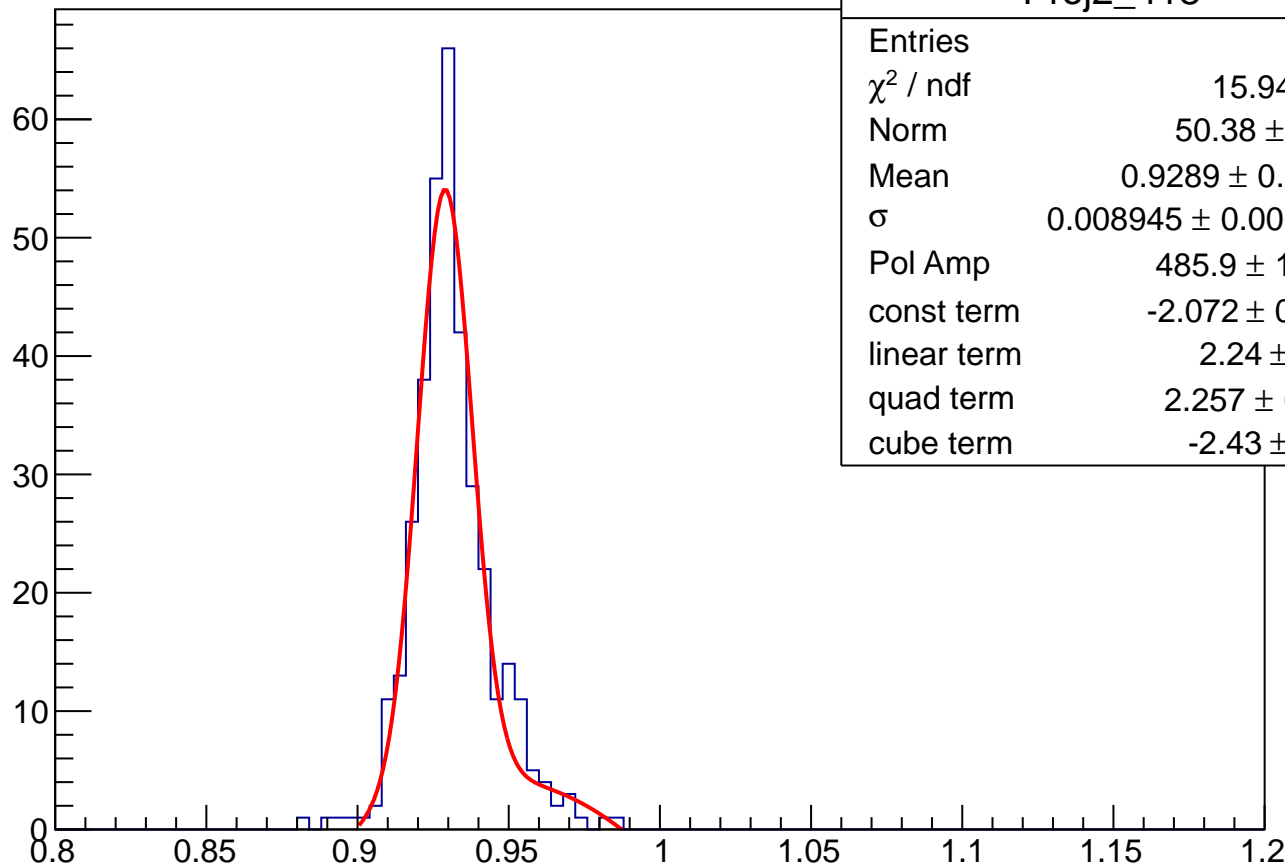
# PhiThetaMassPim



Proj2\_417

Entries	291
$\chi^2 / \text{ndf}$	8.298 / 12
Norm	$31.38 \pm 3.68$
Mean	$0.9267 \pm 0.0009$
$\sigma$	$0.008735 \pm 0.001126$
Pol Amp	$359.6 \pm 1.5$
const term	$-0.2487 \pm 0.0950$
linear term	$0.3772 \pm 0.0923$
quad term	$0.2945 \pm 0.0931$
cube term	$-0.4229 \pm 0.0967$

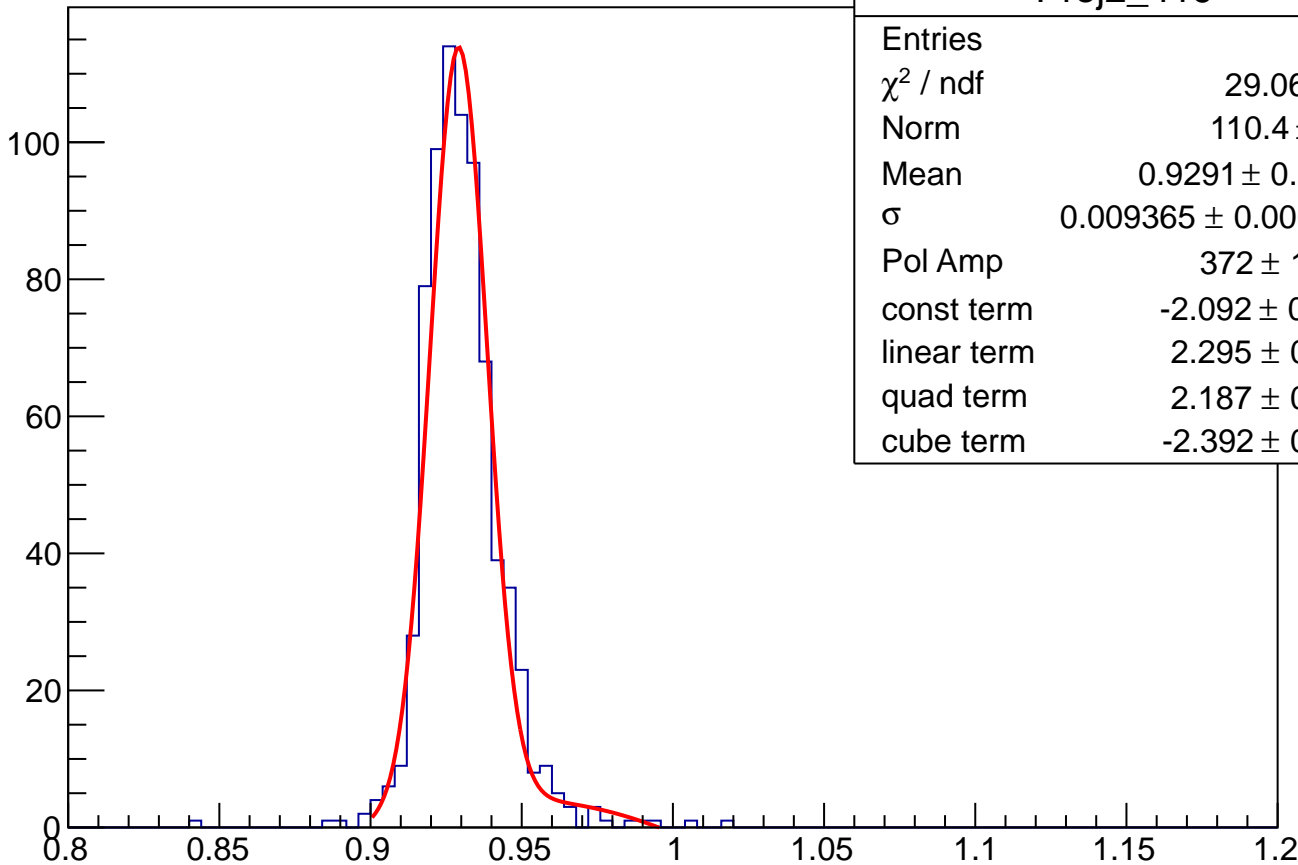
# PhiThetaMassPim



Proj2\_418

Entries	362
$\chi^2 / \text{ndf}$	15.94 / 13
Norm	$50.38 \pm 4.30$
Mean	$0.9289 \pm 0.0007$
$\sigma$	$0.008945 \pm 0.000693$
Pol Amp	$485.9 \pm 167.9$
const term	$-2.072 \pm 0.009$
linear term	$2.24 \pm 0.01$
quad term	$2.257 \pm 0.011$
cube term	$-2.43 \pm 0.01$

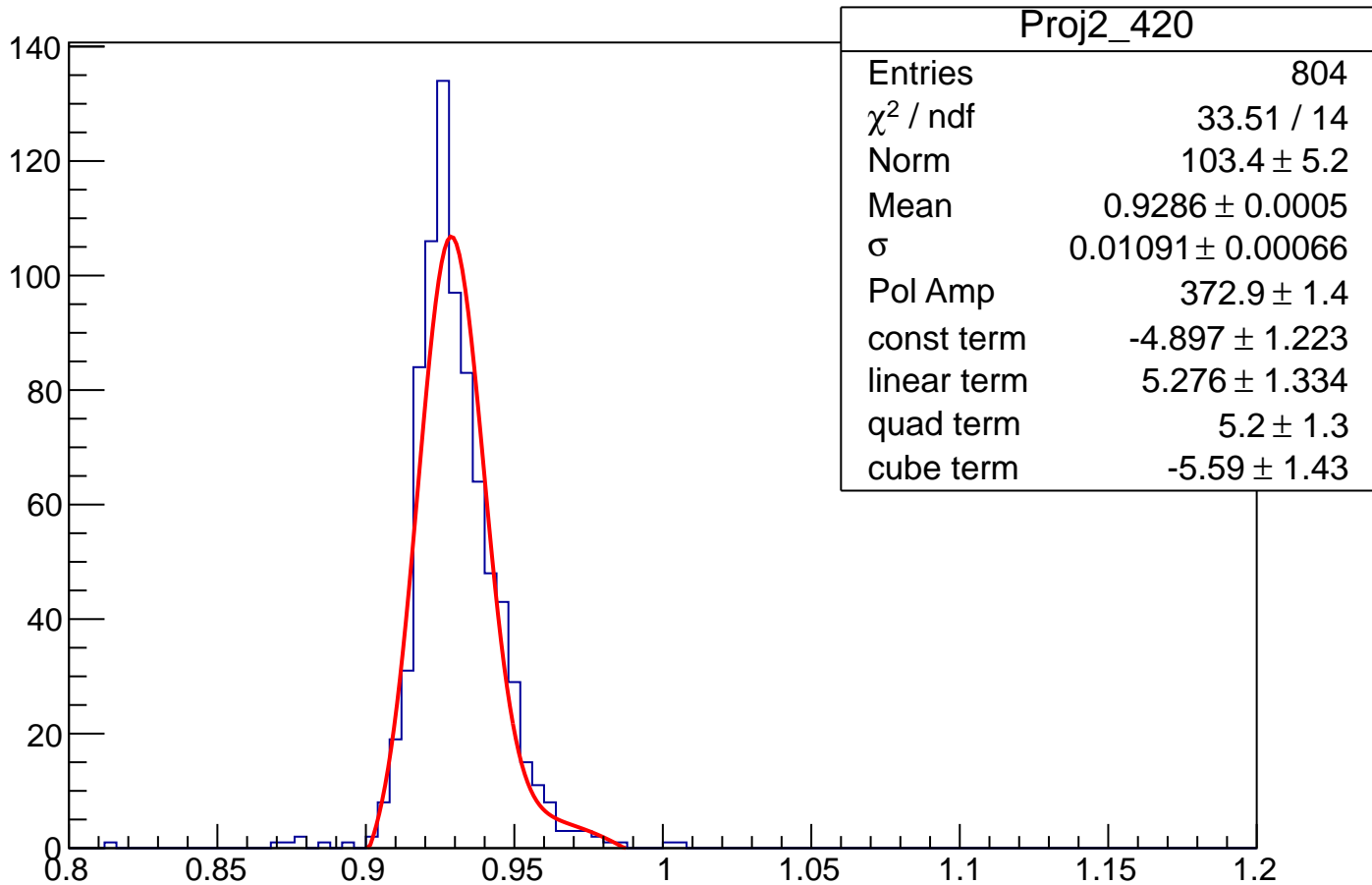
# PhiThetaMassPim



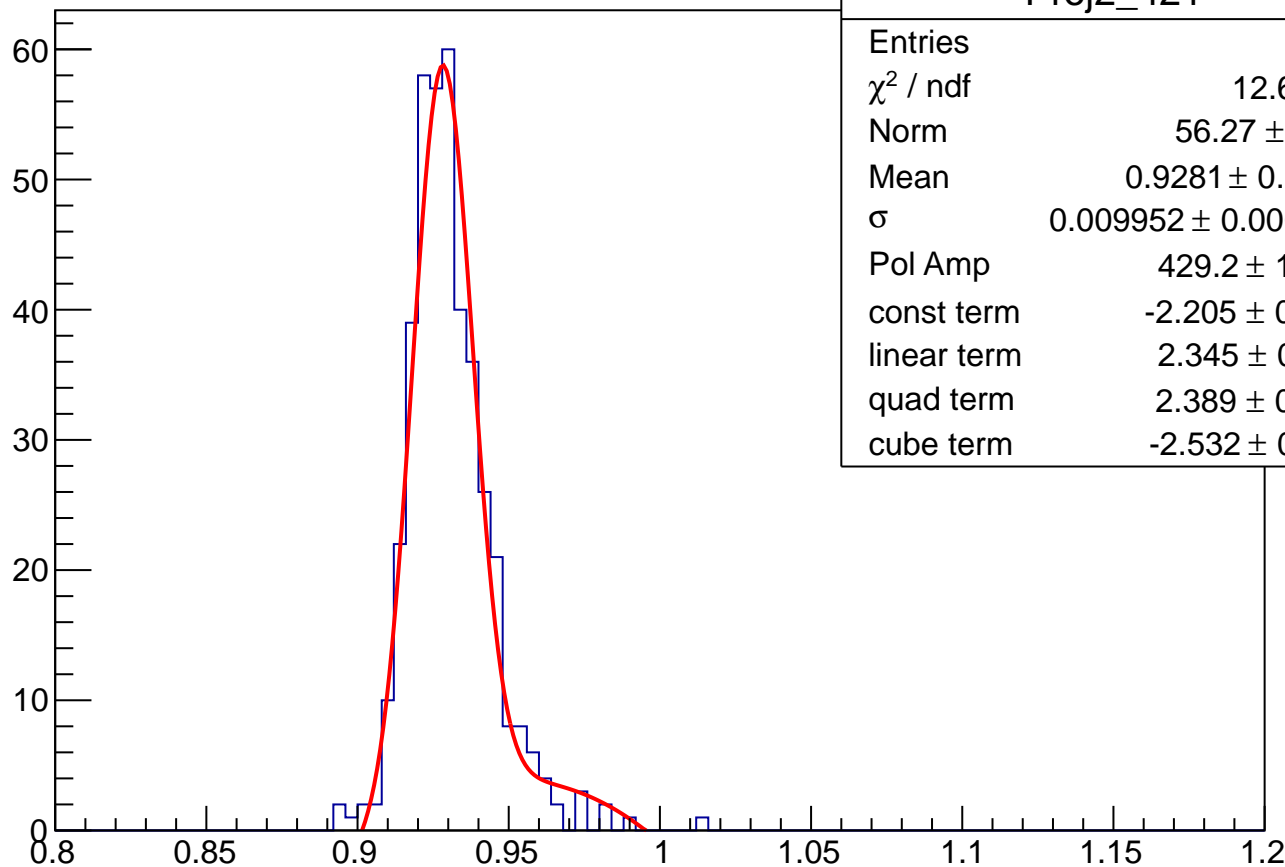
Proj2\_419

Entries	744
$\chi^2 / \text{ndf}$	29.06 / 14
Norm	$110.4 \pm 5.8$
Mean	$0.9291 \pm 0.0005$
$\sigma$	$0.009365 \pm 0.000389$
Pol Amp	$372 \pm 142.4$
const term	$-2.092 \pm 0.013$
linear term	$2.295 \pm 0.014$
quad term	$2.187 \pm 0.014$
cube term	$-2.392 \pm 0.014$

# PhiThetaMassPim



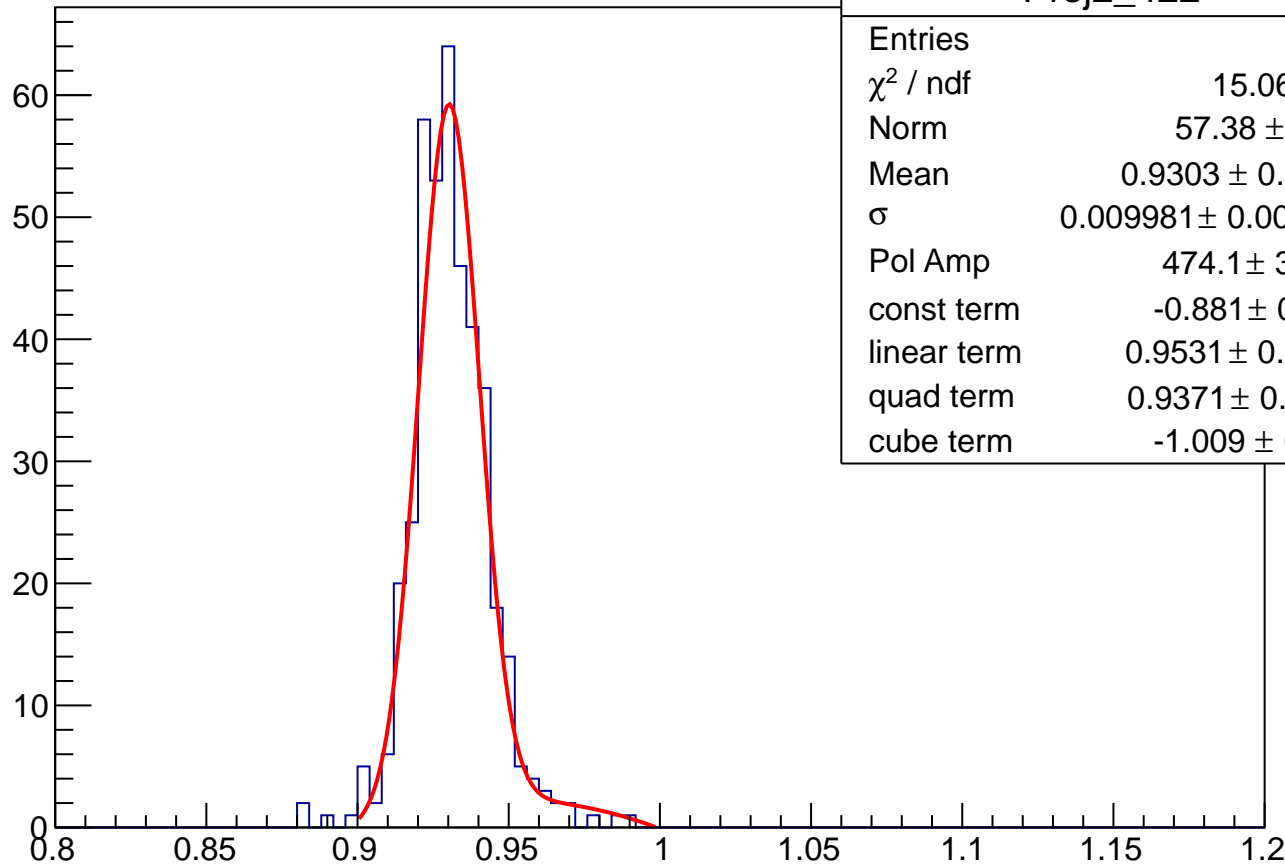
# PhiThetaMassPim



Proj2\_421

Entries	411
$\chi^2 / \text{ndf}$	12.6 / 12
Norm	$56.27 \pm 3.95$
Mean	$0.9281 \pm 0.0007$
$\sigma$	$0.009952 \pm 0.000586$
Pol Amp	$429.2 \pm 144.7$
const term	$-2.205 \pm 0.013$
linear term	$2.345 \pm 0.014$
quad term	$2.389 \pm 0.015$
cube term	$-2.532 \pm 0.014$

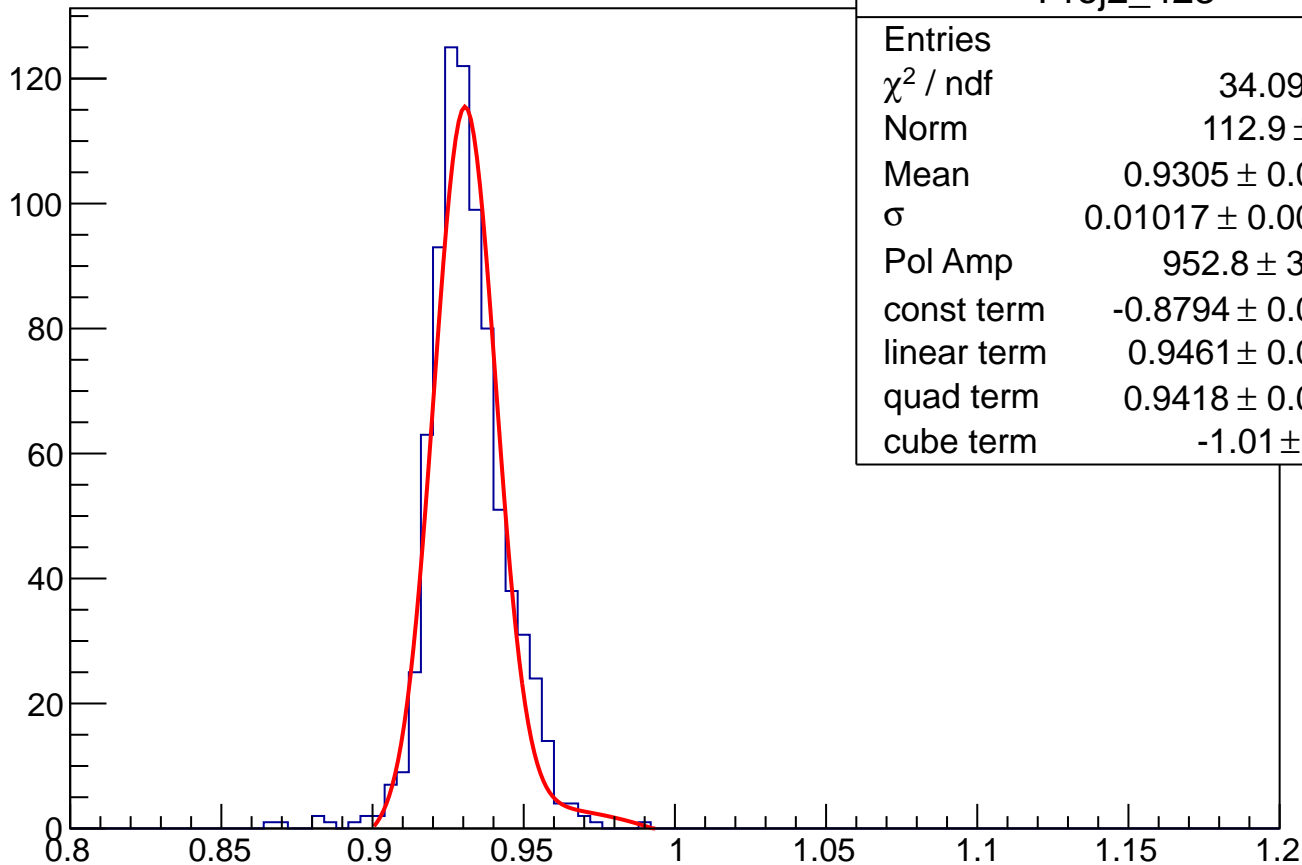
# PhiThetaMassPim



Proj2\_422

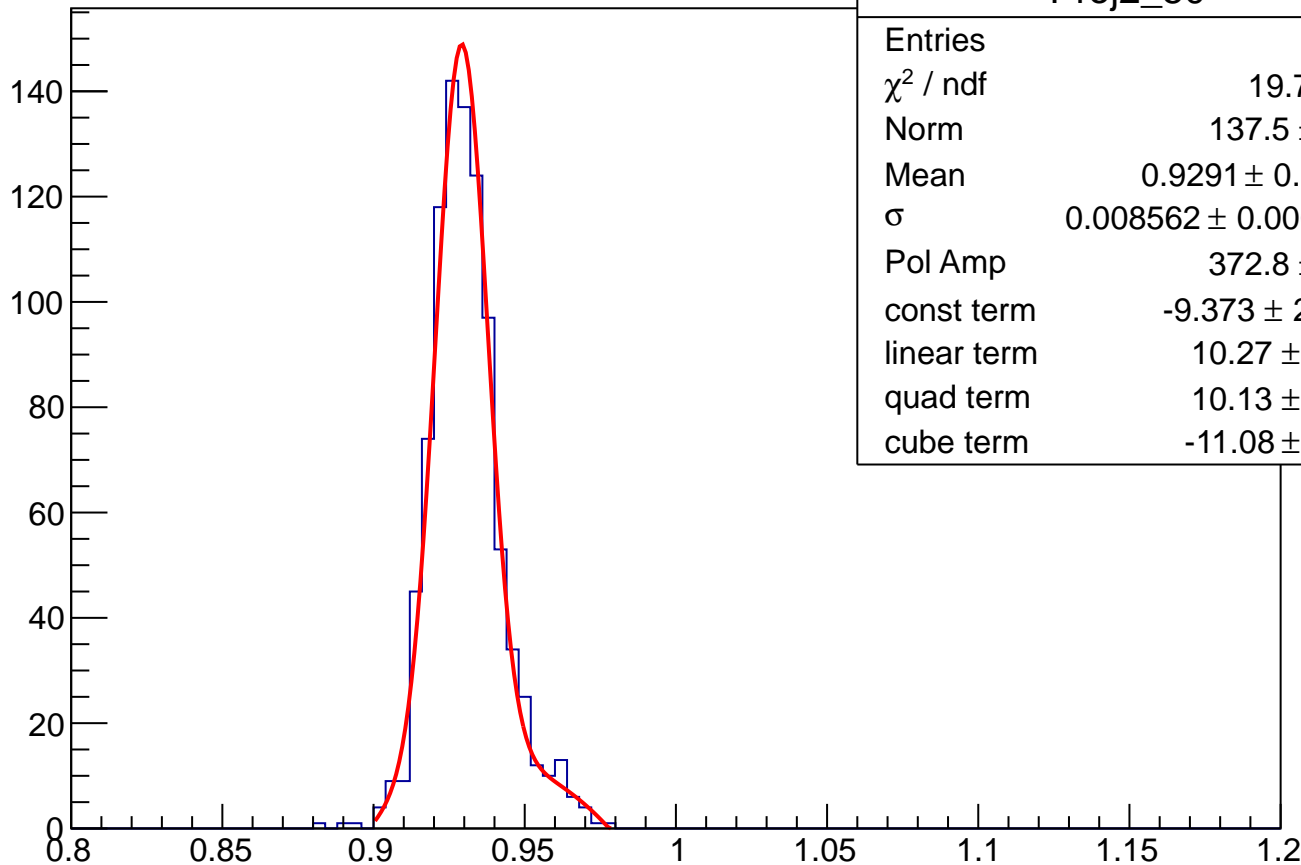
Entries	411
$\chi^2 / \text{ndf}$	15.06 / 13
Norm	$57.38 \pm 3.87$
Mean	$0.9303 \pm 0.0007$
$\sigma$	$0.009981 \pm 0.000521$
Pol Amp	$474.1 \pm 358.5$
const term	$-0.881 \pm 0.010$
linear term	$0.9531 \pm 0.0106$
quad term	$0.9371 \pm 0.0110$
cube term	$-1.009 \pm 0.011$

# PhiThetaMassPim

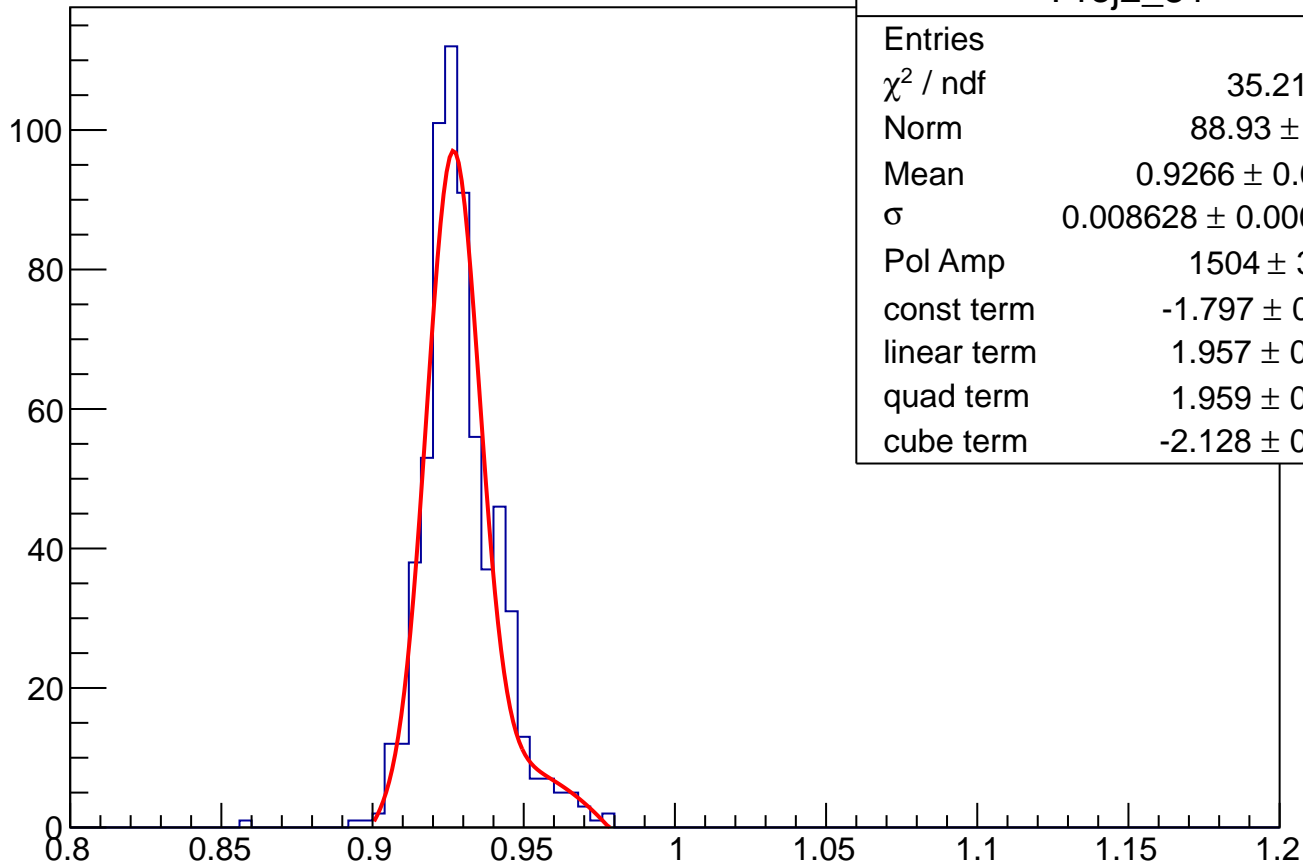




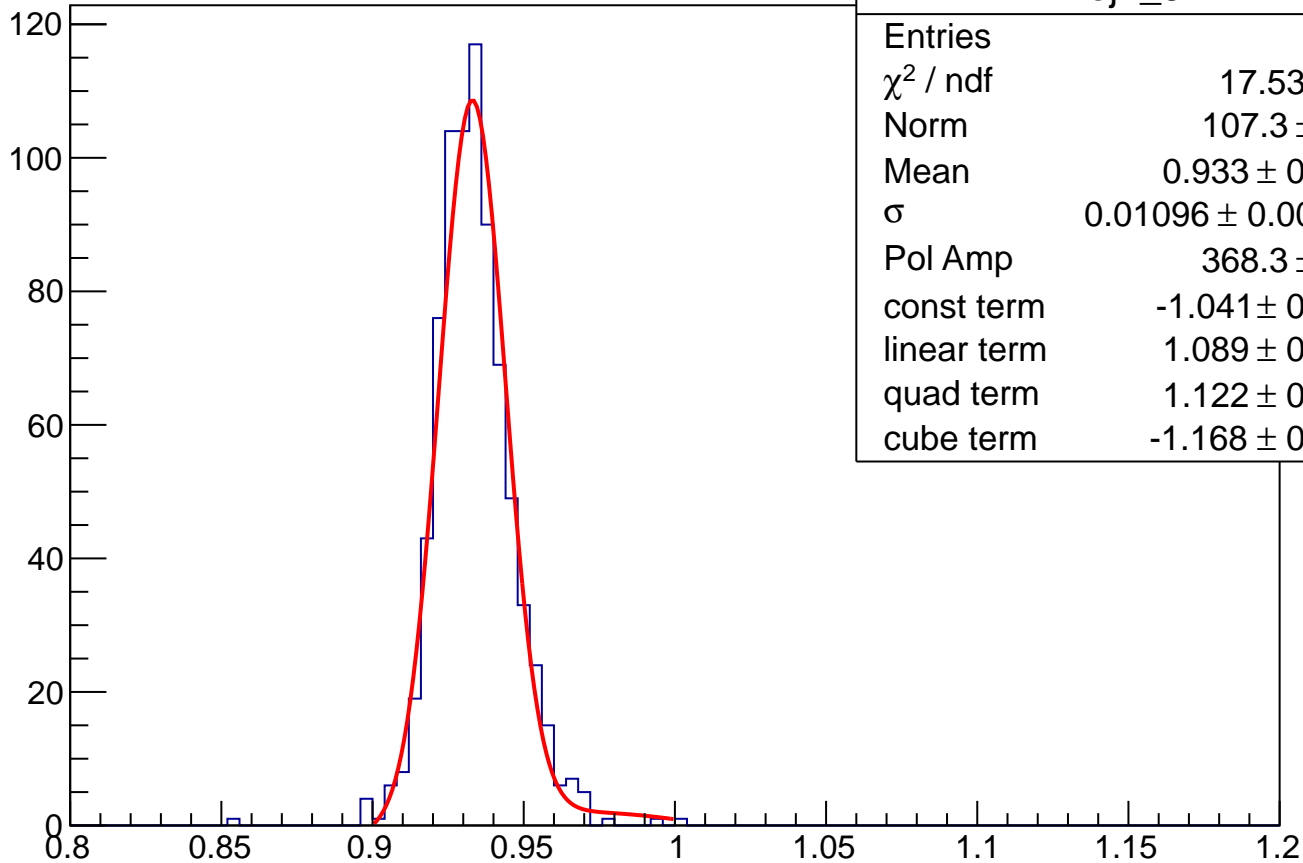
# PhiThetaMassPim



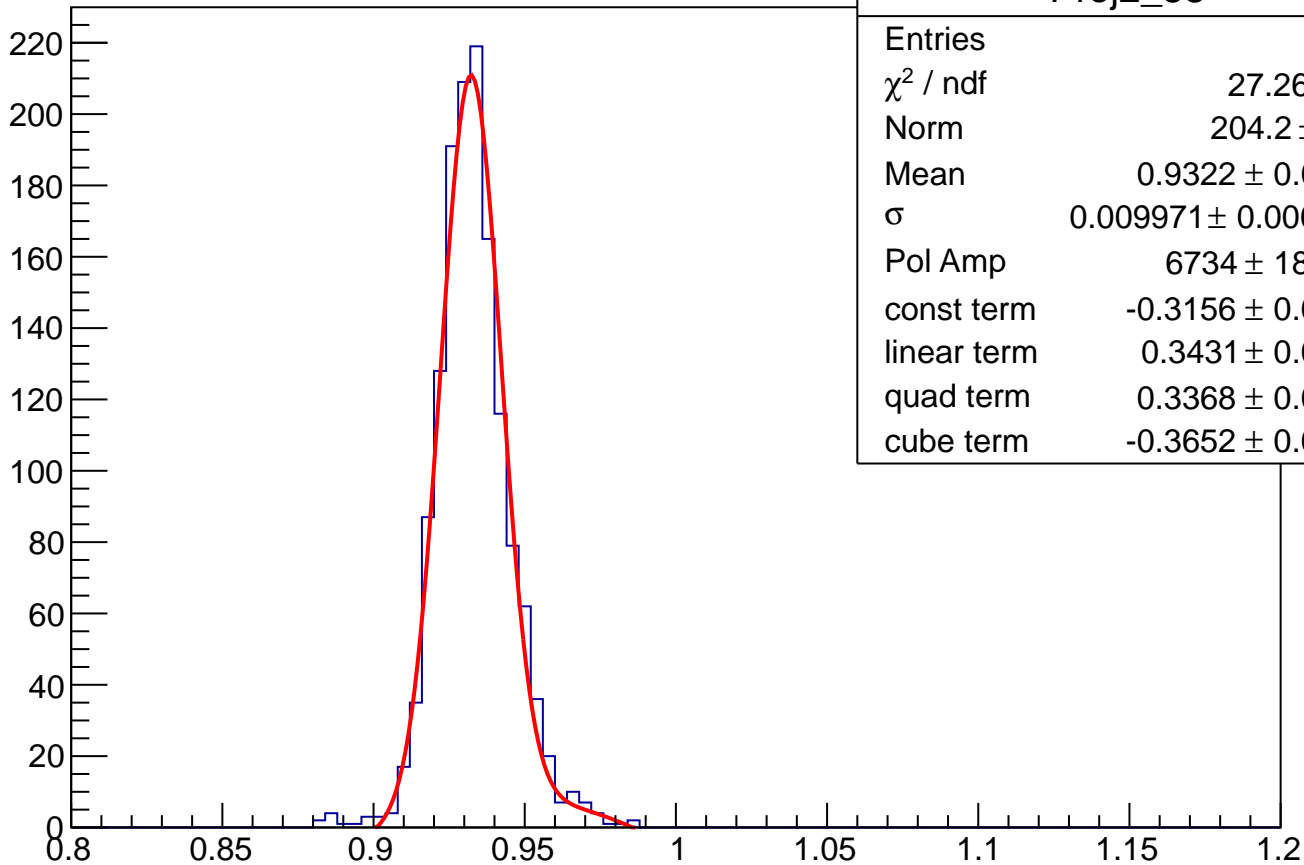
# PhiThetaMassPim



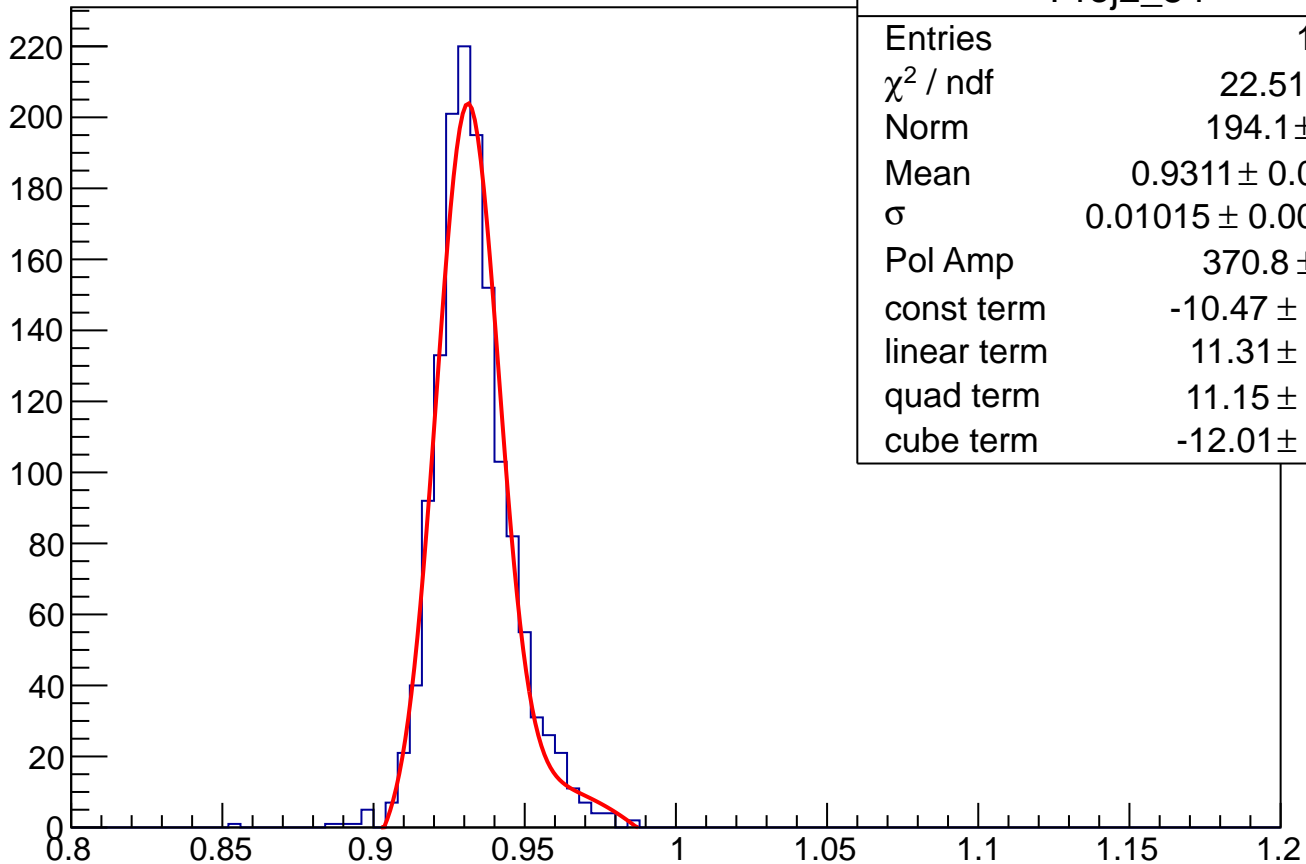
# PhiThetaMassPim



# PhiThetaMassPim



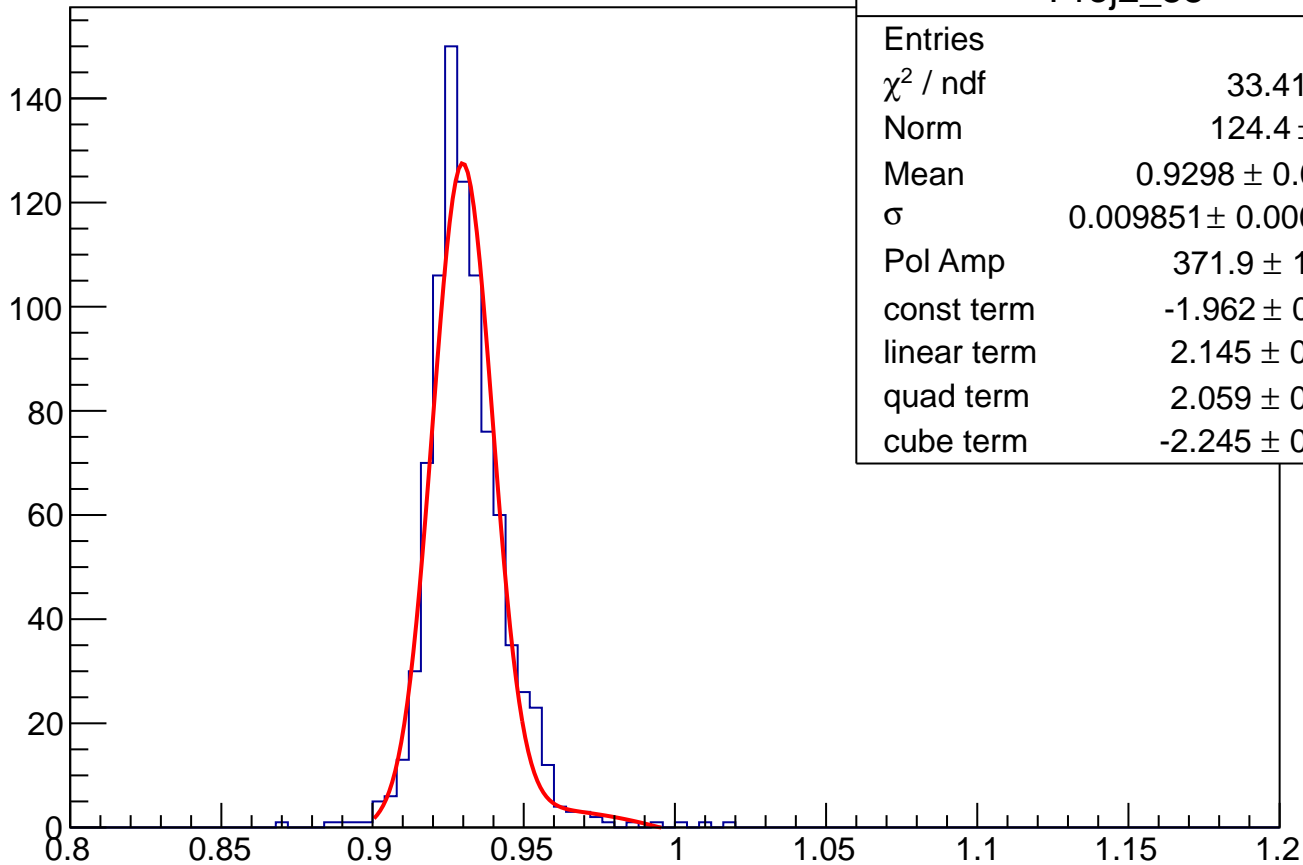
# PhiThetaMassPim



Proj2\_54

Entries	1416
$\chi^2 / \text{ndf}$	22.51 / 12
Norm	$194.1 \pm 7.5$
Mean	$0.9311 \pm 0.0004$
$\sigma$	$0.01015 \pm 0.00048$
Pol Amp	$370.8 \pm 1.0$
const term	$-10.47 \pm 2.10$
linear term	$11.31 \pm 2.28$
quad term	$11.15 \pm 2.24$
cube term	$-12.01 \pm 2.43$

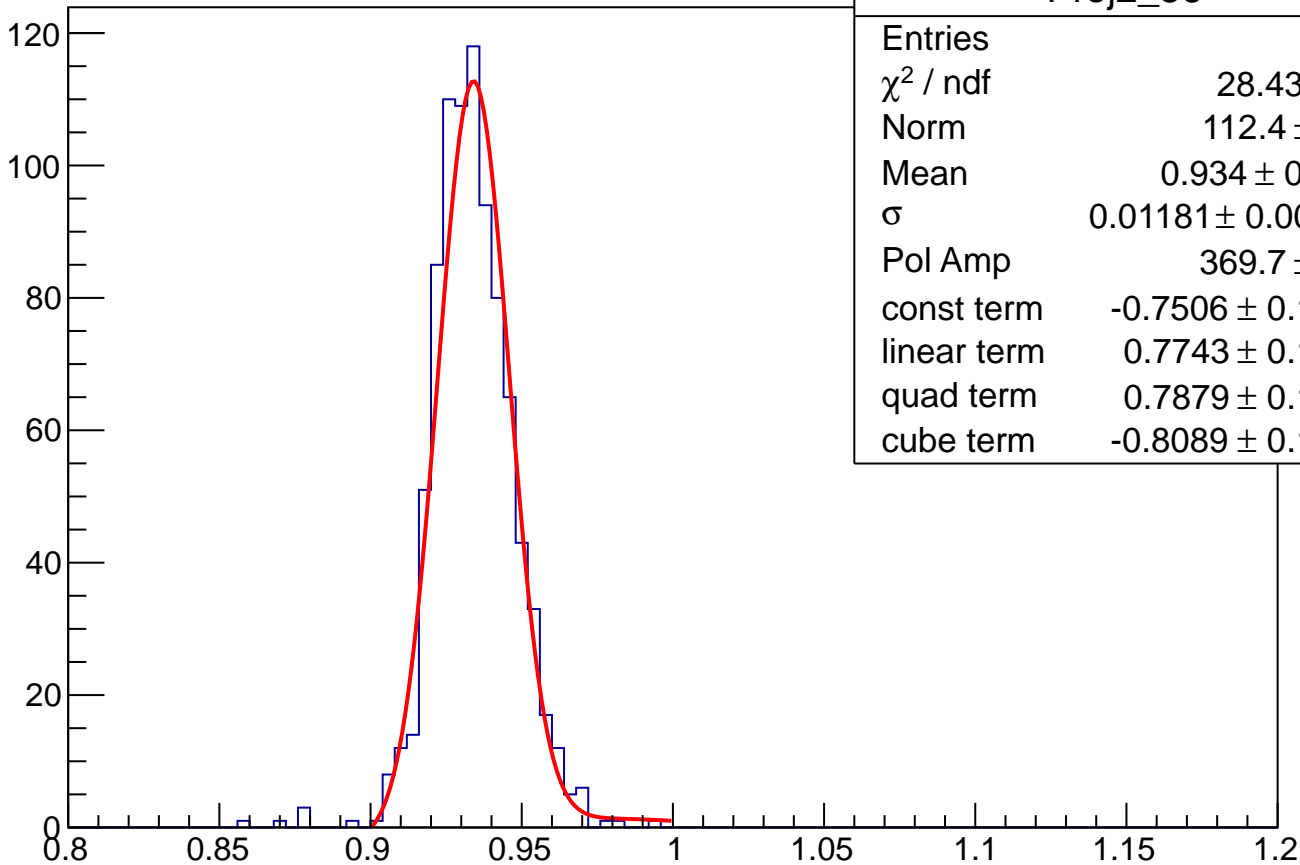
# PhiThetaMassPim



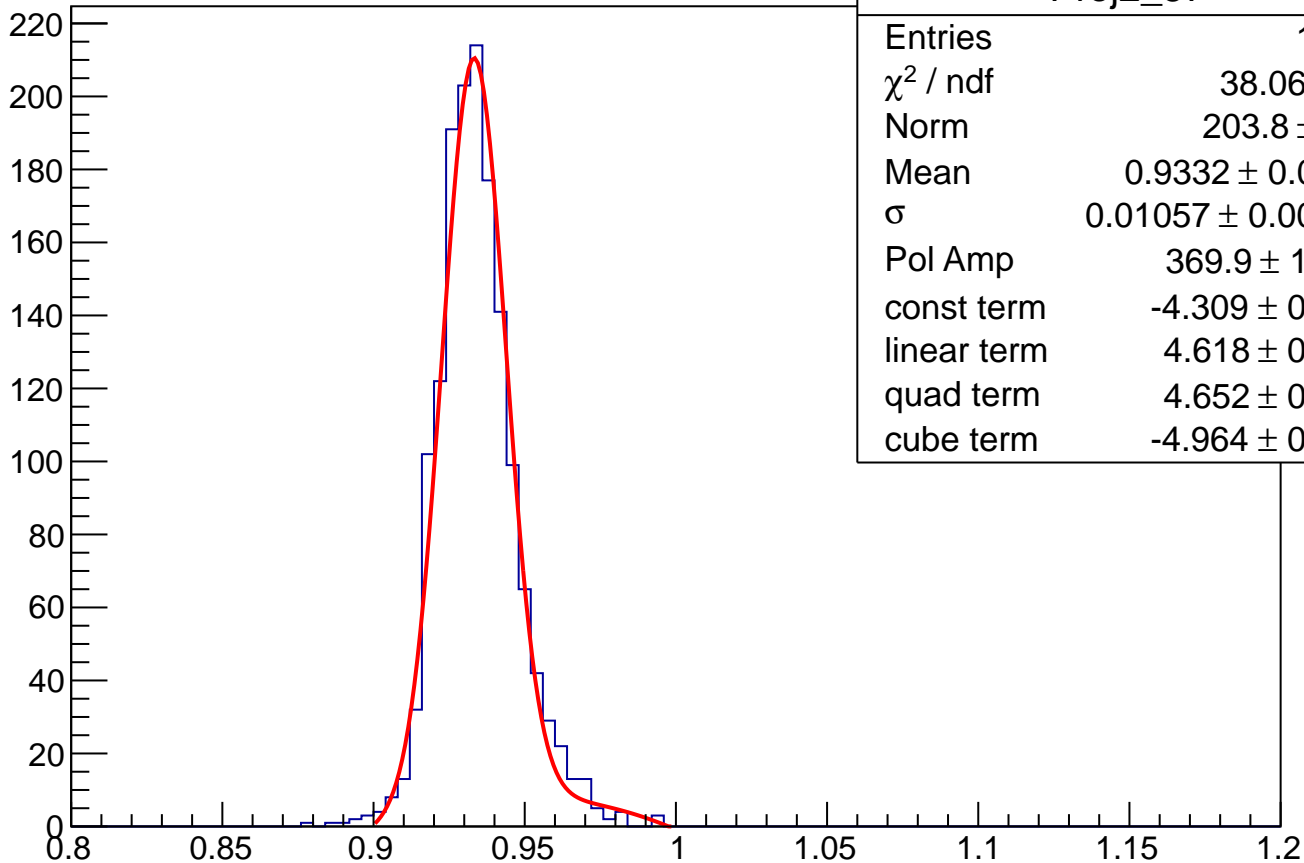
Proj2\_55

Entries	865
$\chi^2 / \text{ndf}$	33.41 / 14
Norm	$124.4 \pm 6.2$
Mean	$0.9298 \pm 0.0004$
$\sigma$	$0.009851 \pm 0.000394$
Pol Amp	$371.9 \pm 156.0$
const term	$-1.962 \pm 0.014$
linear term	$2.145 \pm 0.015$
quad term	$2.059 \pm 0.015$
cube term	$-2.245 \pm 0.015$

# PhiThetaMassPim



# PhiThetaMassPim

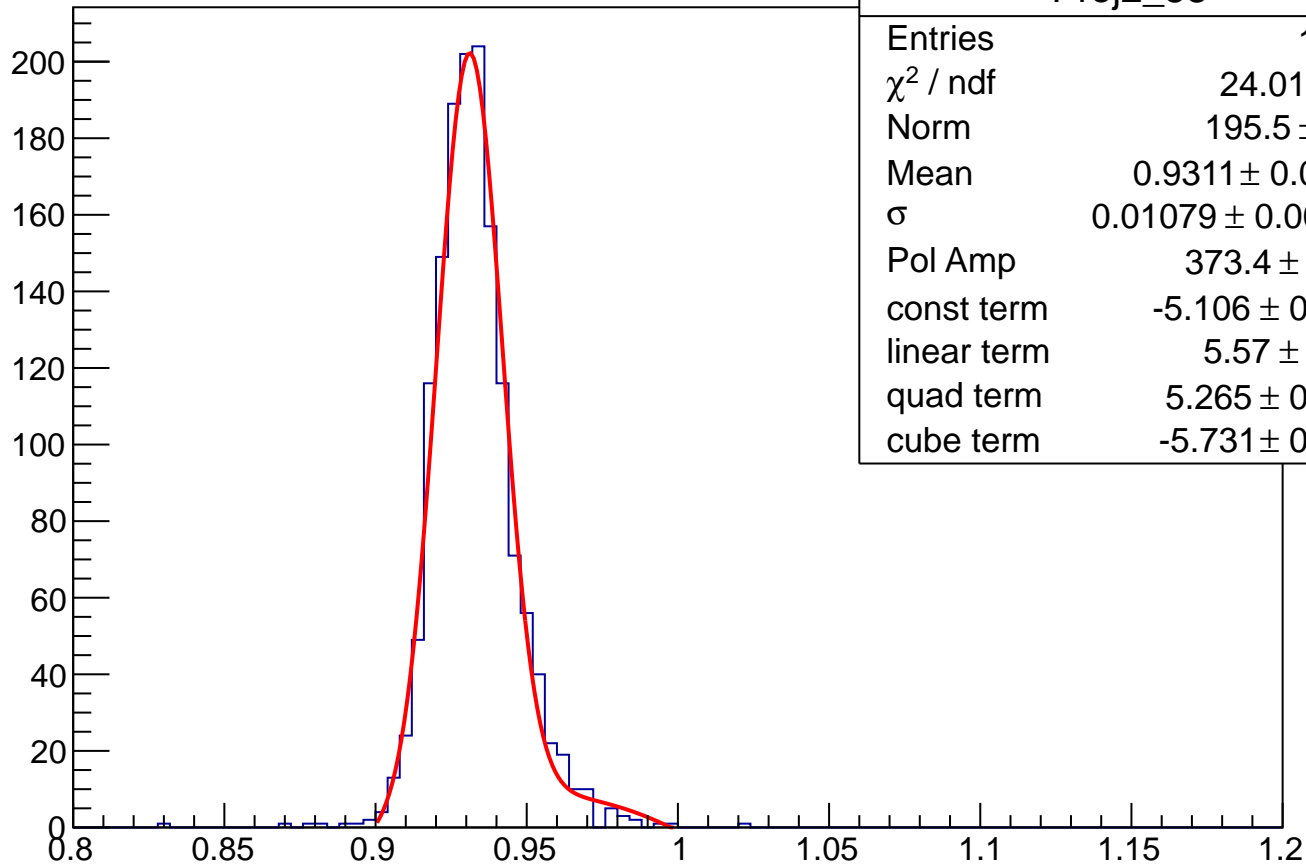


Proj2\_57

Entries	1512
$\chi^2 / \text{ndf}$	38.06 / 14
Norm	$203.8 \pm 7.4$
Mean	$0.9332 \pm 0.0003$
$\sigma$	$0.01057 \pm 0.00030$
Pol Amp	$369.9 \pm 117.5$
const term	$-4.309 \pm 0.020$
linear term	$4.618 \pm 0.023$
quad term	$4.652 \pm 0.024$
cube term	$-4.964 \pm 0.023$



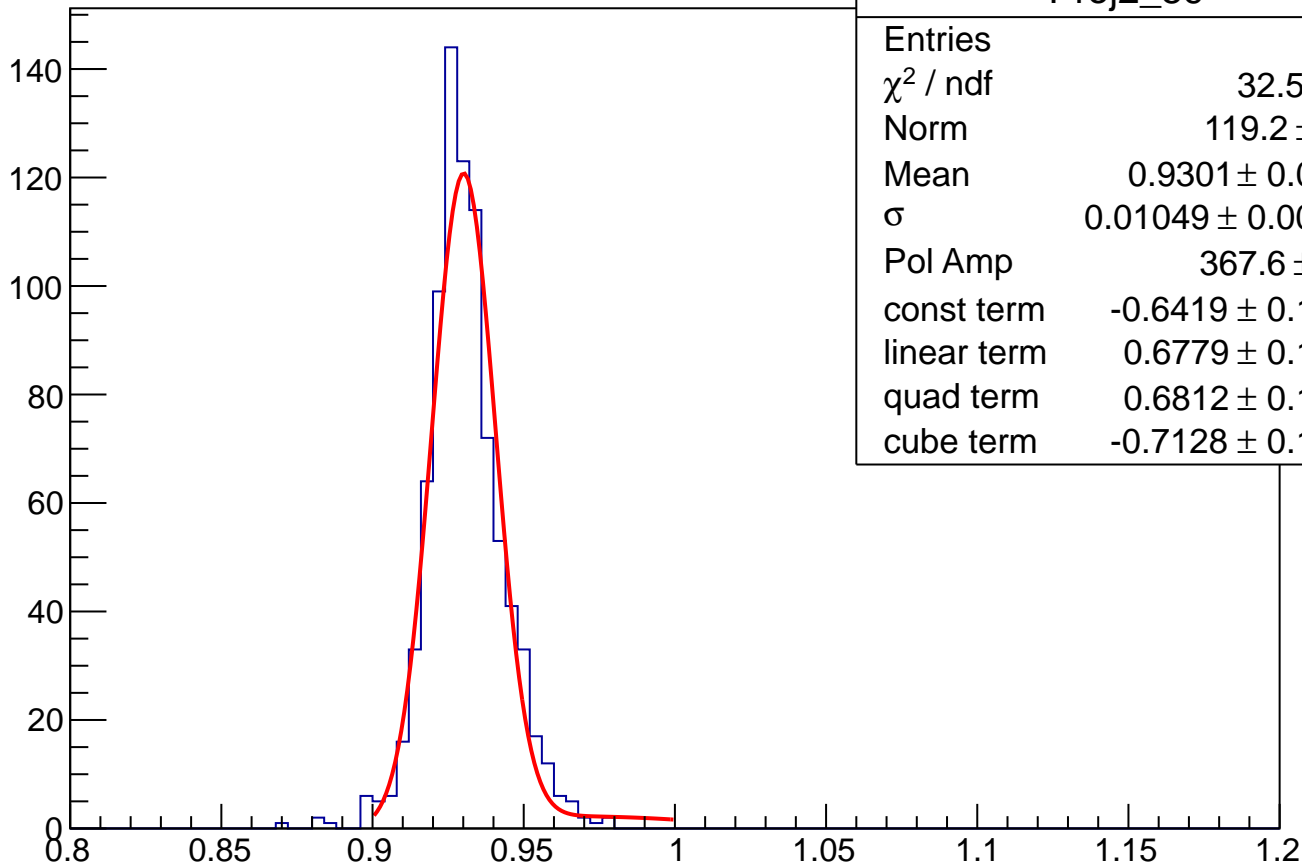
# PhiThetaMassPim



Proj2\_58

Entries	1472
$\chi^2 / \text{ndf}$	24.01 / 15
Norm	$195.5 \pm 7.2$
Mean	$0.9311 \pm 0.0004$
$\sigma$	$0.01079 \pm 0.00031$
Pol Amp	$373.4 \pm 74.2$
const term	$-5.106 \pm 0.016$
linear term	$5.57 \pm 0.02$
quad term	$5.265 \pm 0.018$
cube term	$-5.731 \pm 0.017$

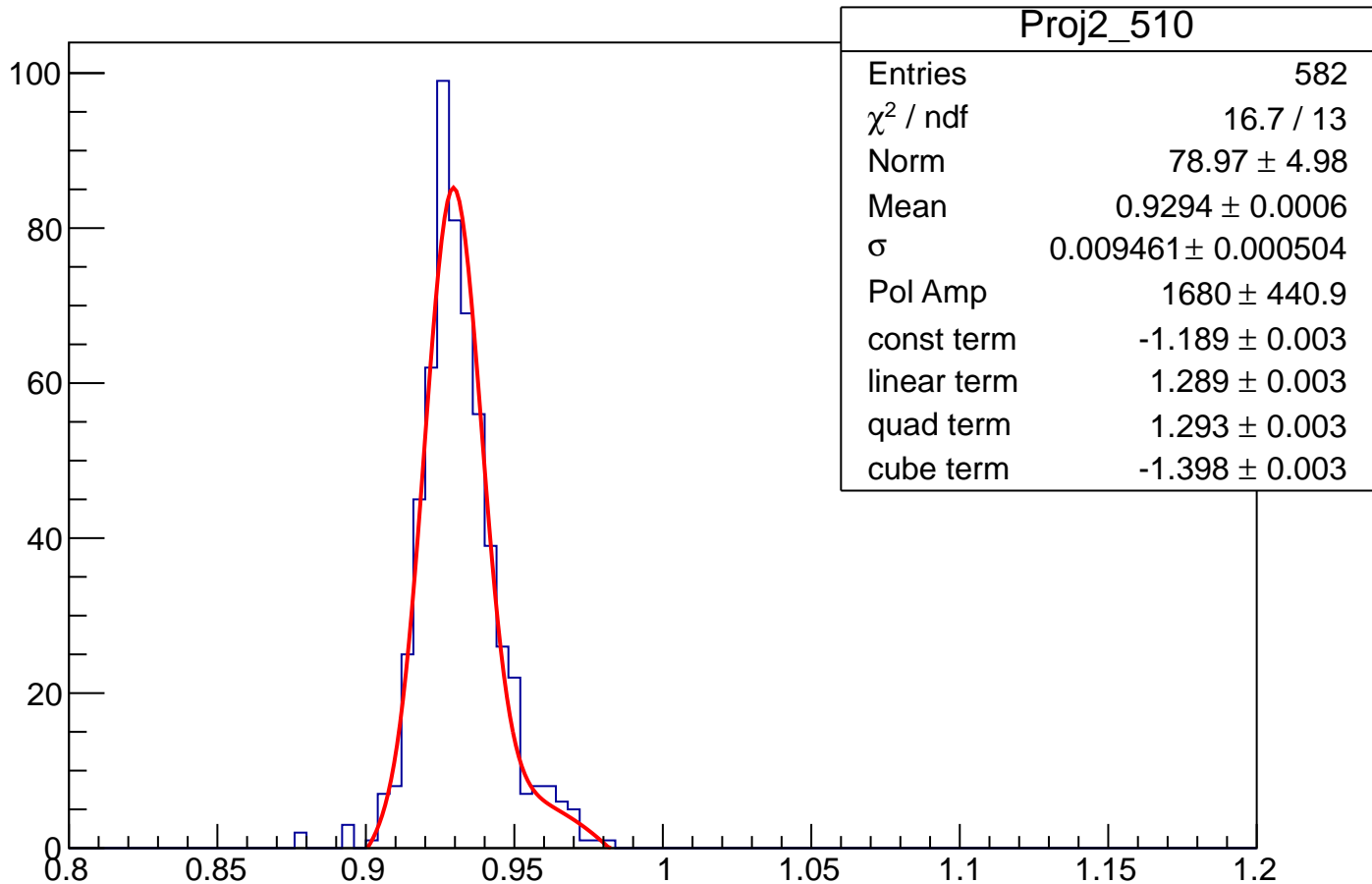
# PhiThetaMassPim



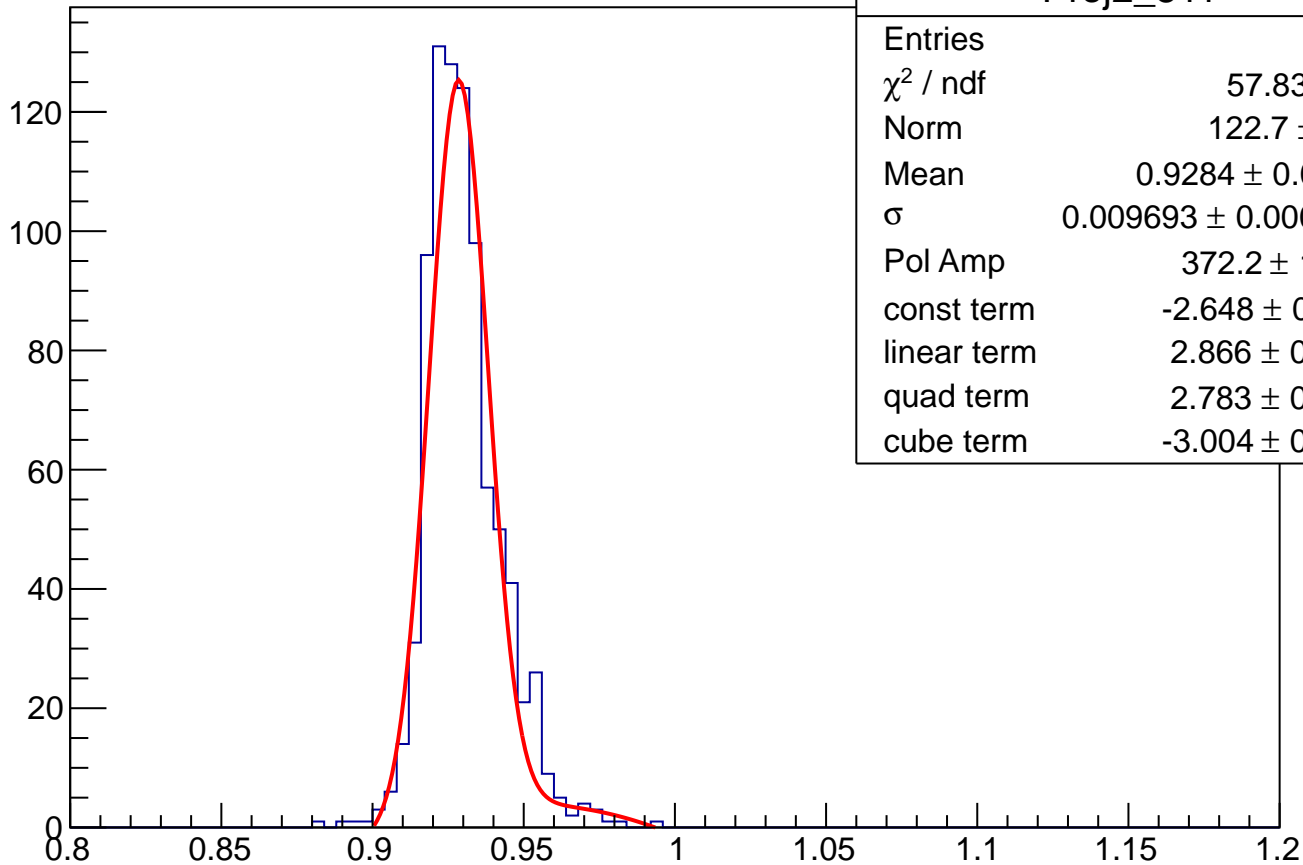
Proj2\_59

Entries	858
$\chi^2 / \text{ndf}$	32.5 / 12
Norm	$119.2 \pm 6.0$
Mean	$0.9301 \pm 0.0004$
$\sigma$	$0.01049 \pm 0.00056$
Pol Amp	$367.6 \pm 0.5$
const term	$-0.6419 \pm 0.1585$
linear term	$0.6779 \pm 0.1423$
quad term	$0.6812 \pm 0.1540$
cube term	$-0.7128 \pm 0.1414$

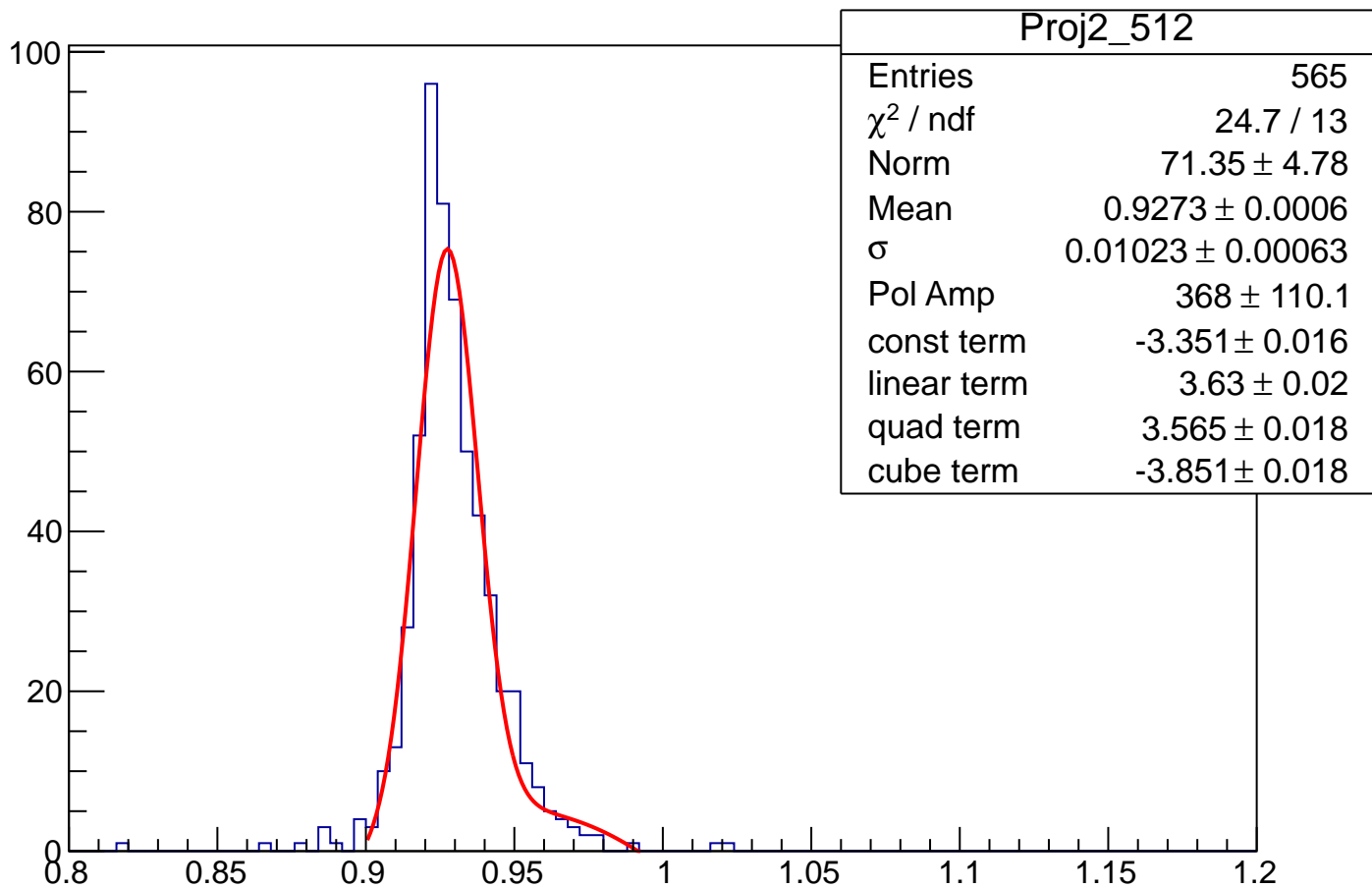
# PhiThetaMassPim



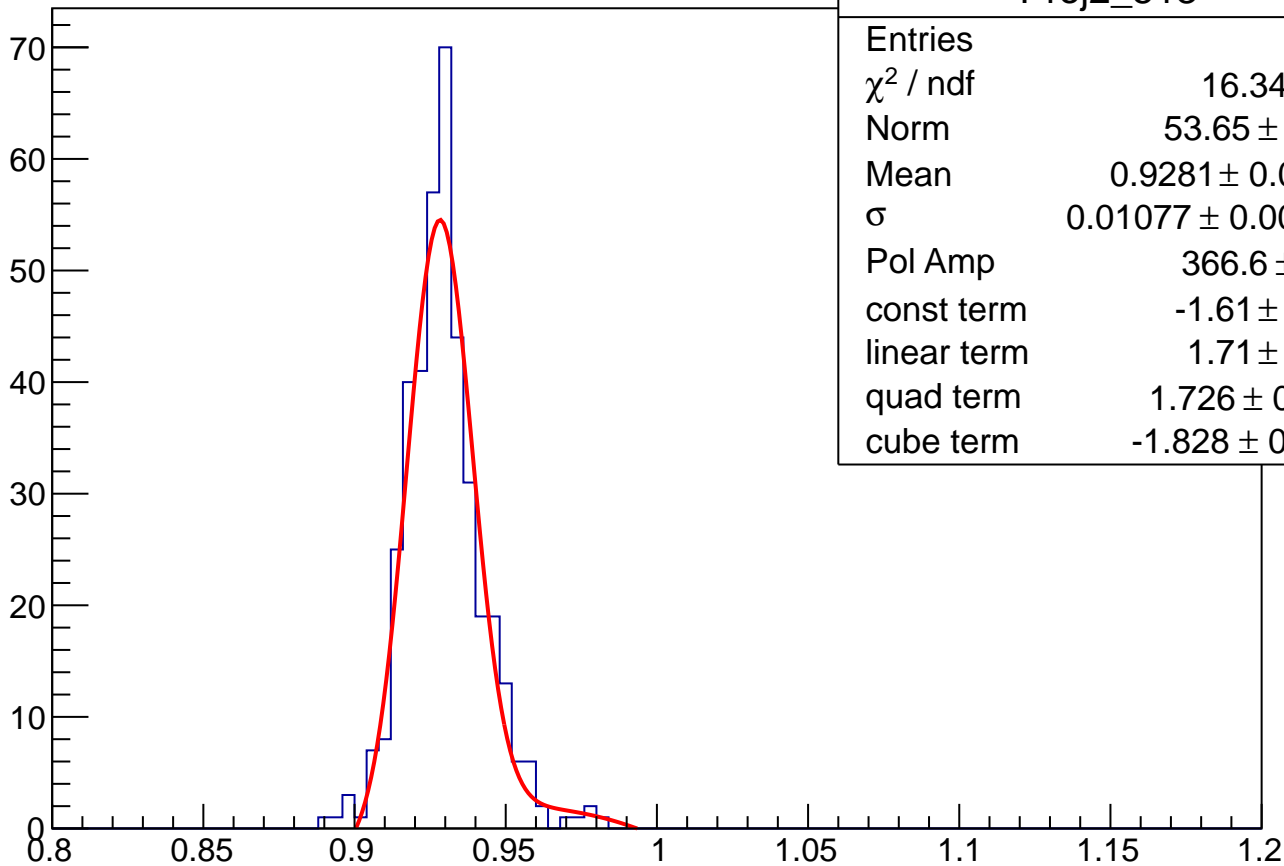
# PhiThetaMassPim



# PhiThetaMassPim



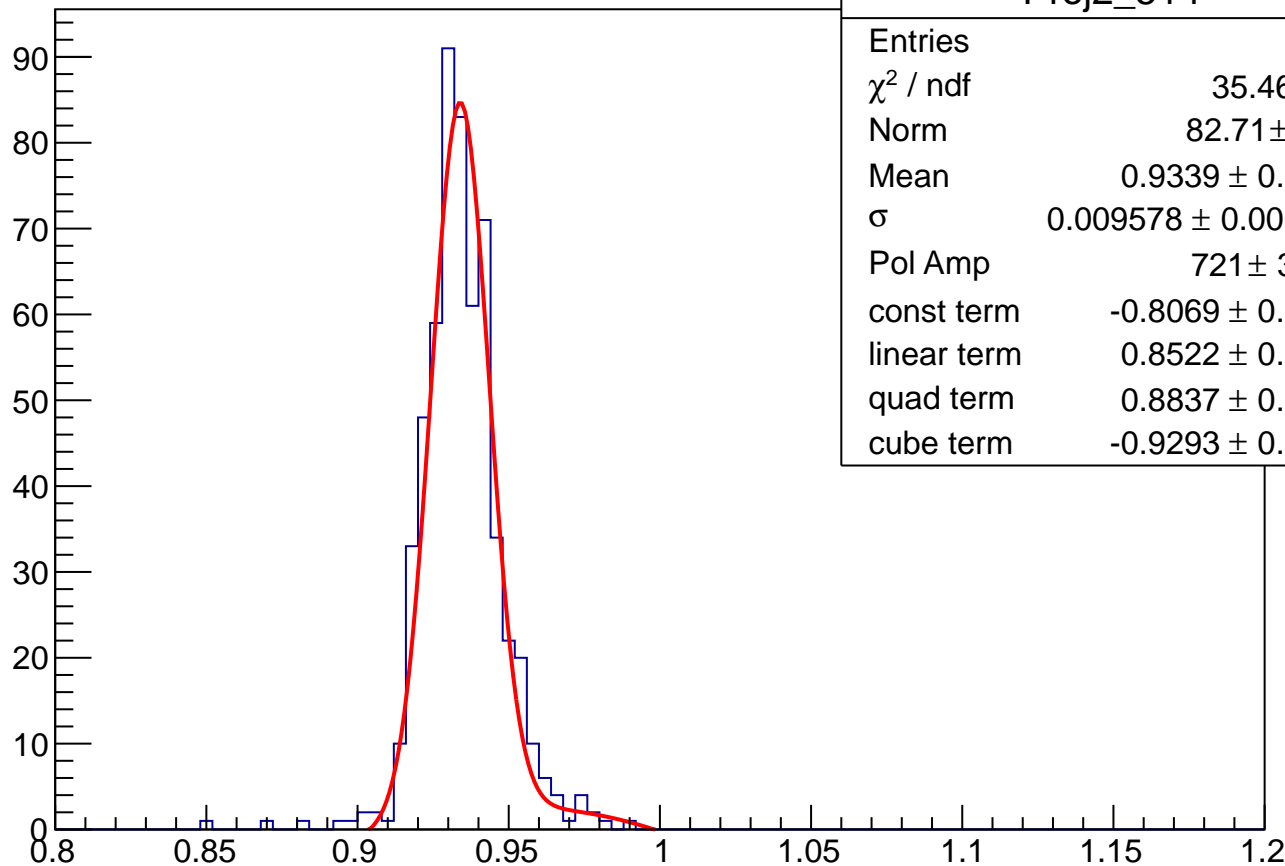
# PhiThetaMassPim



Proj2\_513

Entries	399
$\chi^2 / \text{ndf}$	16.34 / 12
Norm	$53.65 \pm 3.83$
Mean	$0.9281 \pm 0.0006$
$\sigma$	$0.01077 \pm 0.00076$
Pol Amp	$366.6 \pm 0.8$
const term	$-1.61 \pm 0.43$
linear term	$1.71 \pm 0.44$
quad term	$1.726 \pm 0.451$
cube term	$-1.828 \pm 0.469$

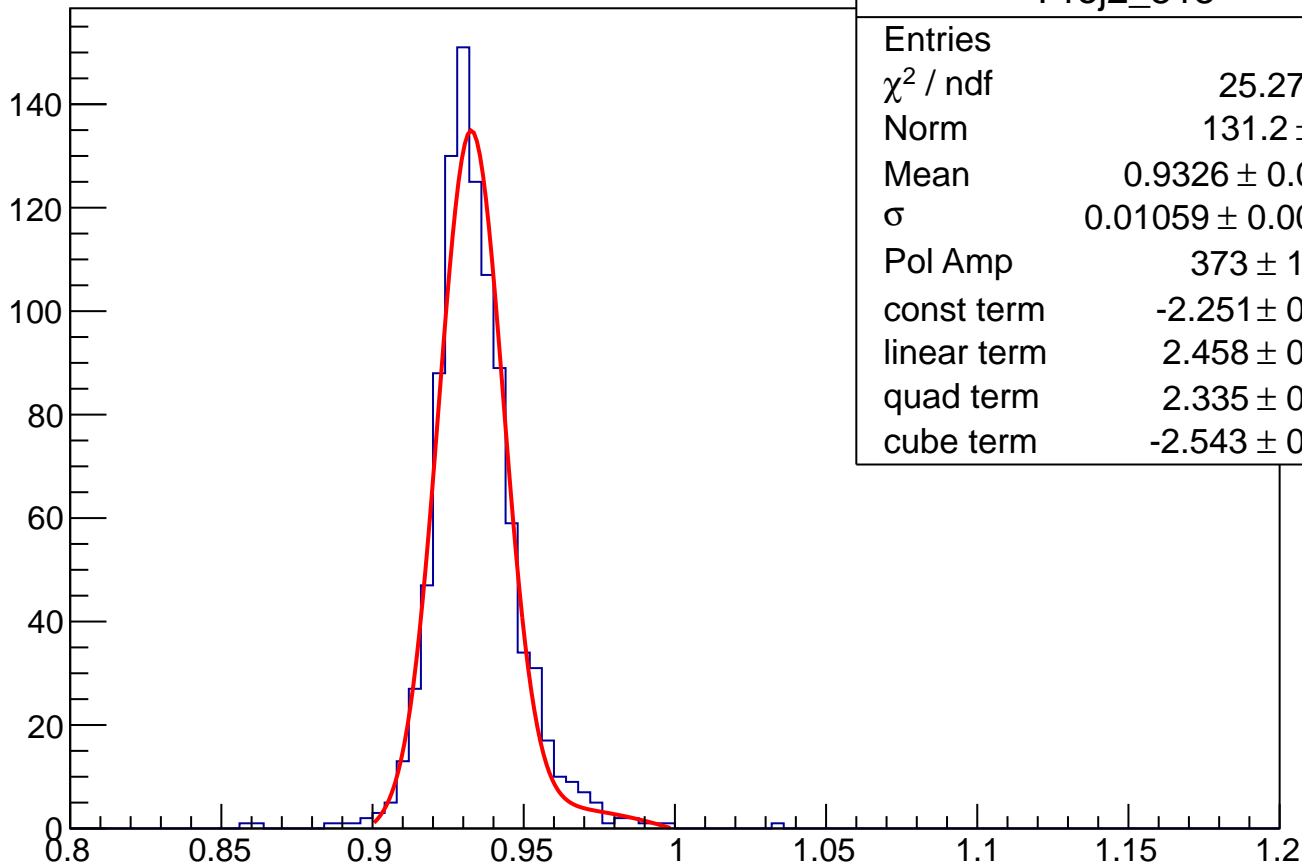
# PhiThetaMassPim



Proj2\_514

Entries	571
$\chi^2 / \text{ndf}$	35.46 / 14
Norm	$82.71 \pm 4.71$
Mean	$0.9339 \pm 0.0005$
$\sigma$	$0.009578 \pm 0.000395$
Pol Amp	$721 \pm 347.4$
const term	$-0.8069 \pm 0.0060$
linear term	$0.8522 \pm 0.0068$
quad term	$0.8837 \pm 0.0072$
cube term	$-0.9293 \pm 0.0070$

# PhiThetaMassPim

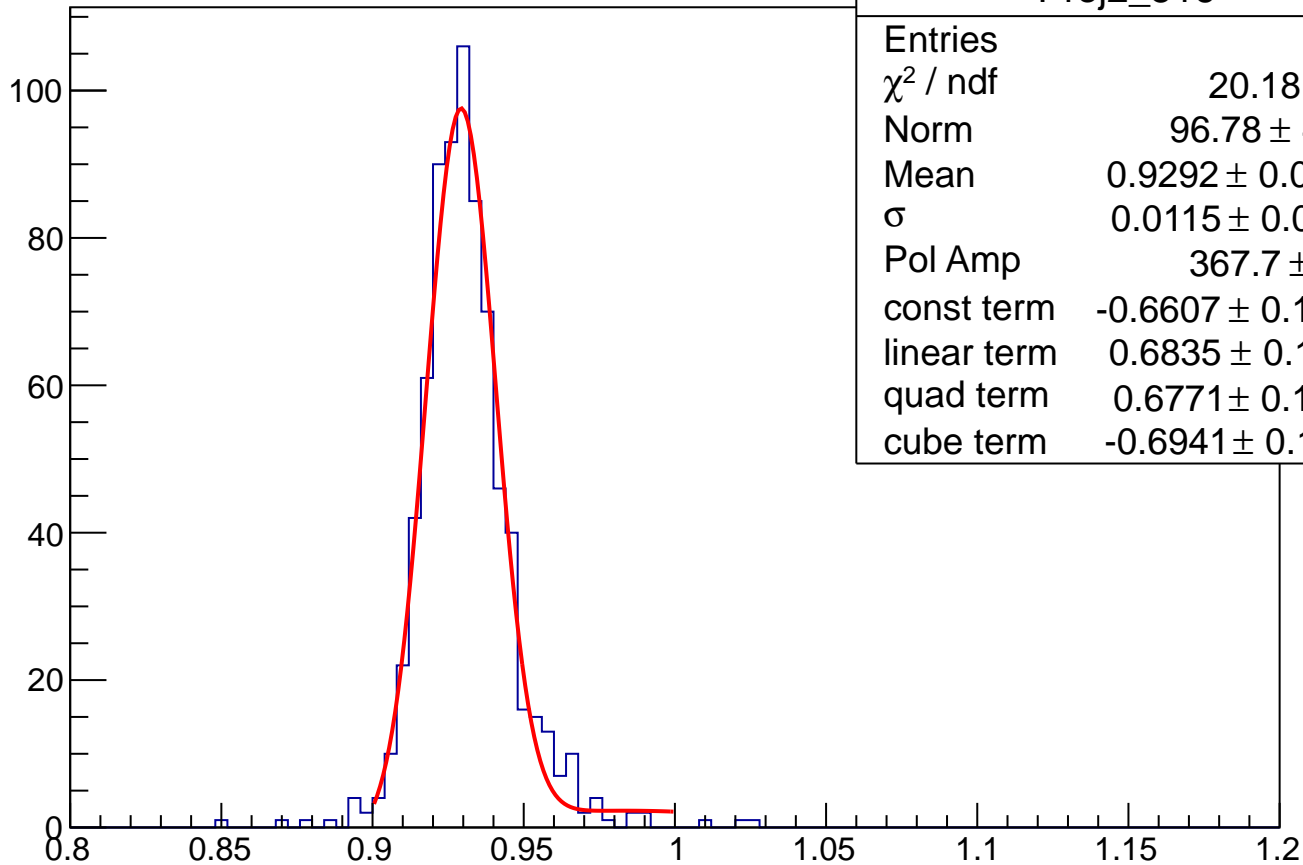


Proj2\_515

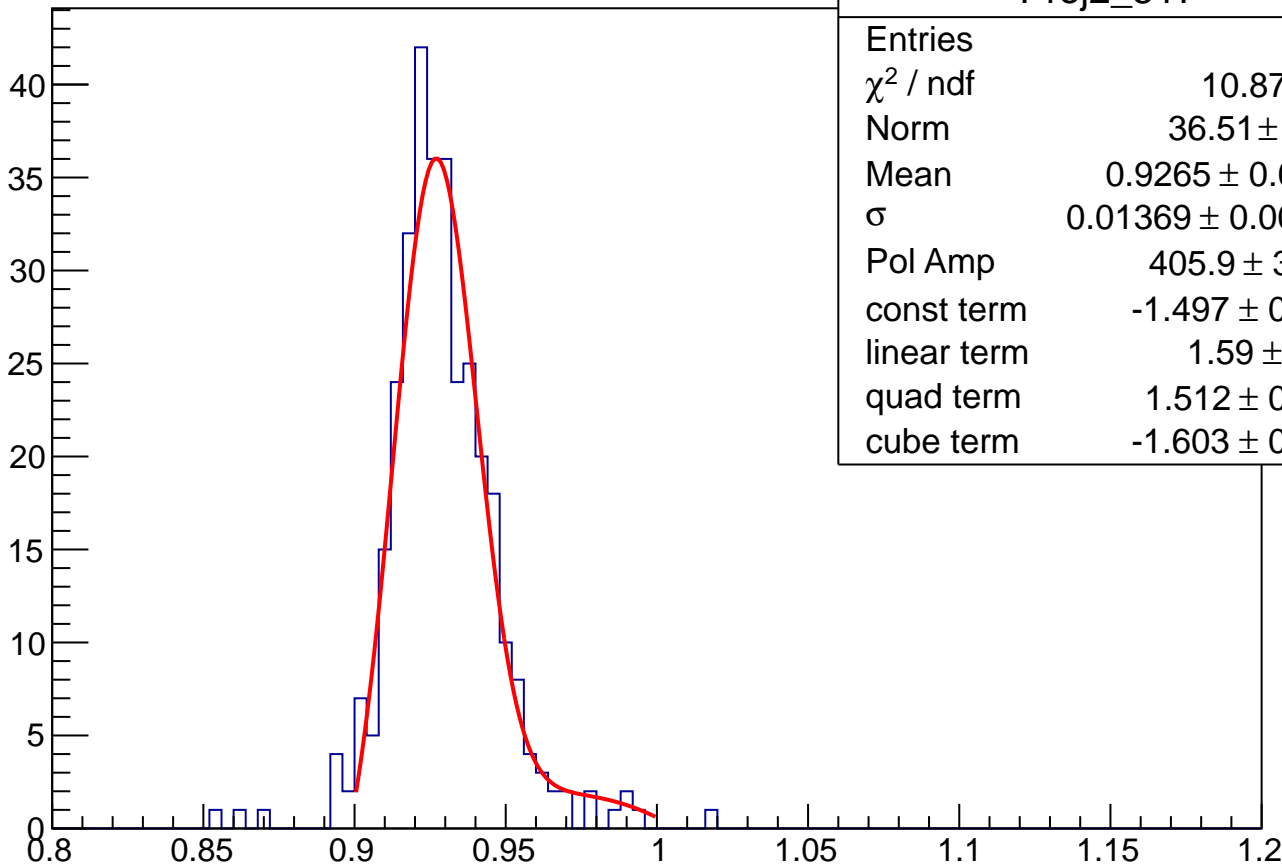
Entries	973
$\chi^2 / \text{ndf}$	25.27 / 17
Norm	$131.2 \pm 6.0$
Mean	$0.9326 \pm 0.0004$
$\sigma$	$0.01059 \pm 0.00038$
Pol Amp	$373 \pm 128.5$
const term	$-2.251 \pm 0.012$
linear term	$2.458 \pm 0.013$
quad term	$2.335 \pm 0.014$
cube term	$-2.543 \pm 0.013$



# PhiThetaMassPim



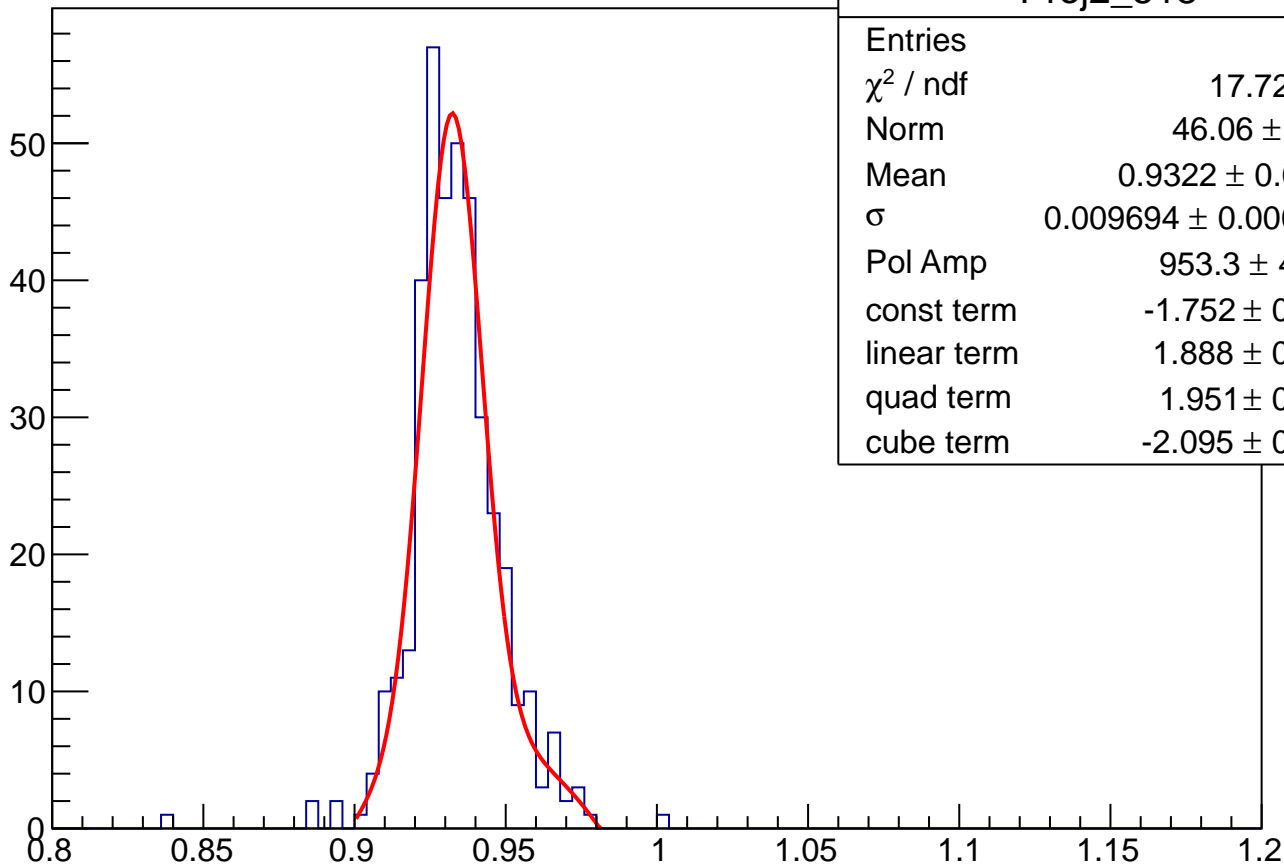
# PhiThetaMassPim



Proj2\_517

Entries	329
$\chi^2 / \text{ndf}$	10.87 / 14
Norm	$36.51 \pm 3.12$
Mean	$0.9265 \pm 0.0014$
$\sigma$	$0.01369 \pm 0.00108$
Pol Amp	$405.9 \pm 303.1$
const term	$-1.497 \pm 0.013$
linear term	$1.59 \pm 0.01$
quad term	$1.512 \pm 0.014$
cube term	$-1.603 \pm 0.014$

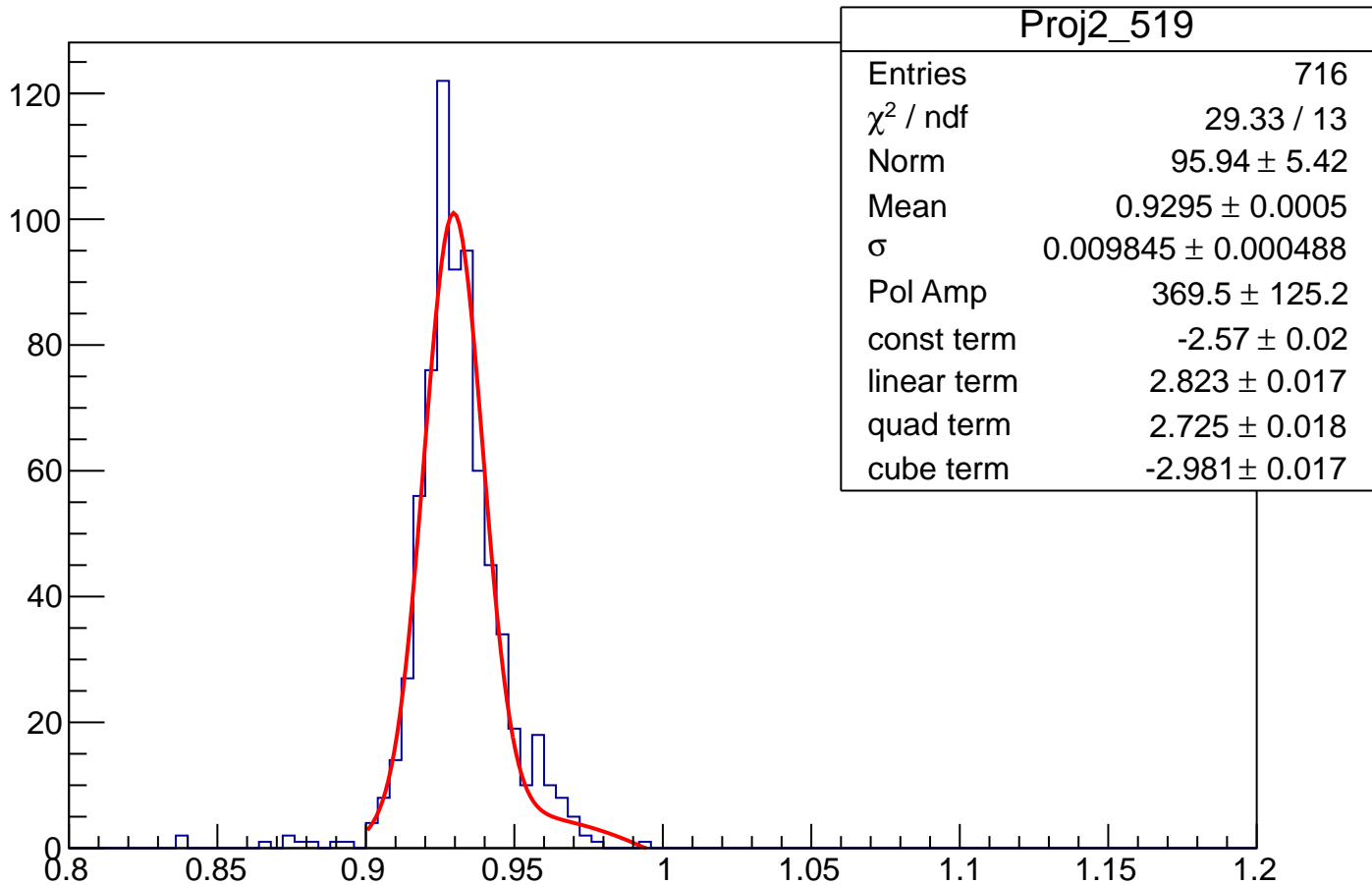
# PhiThetaMassPim



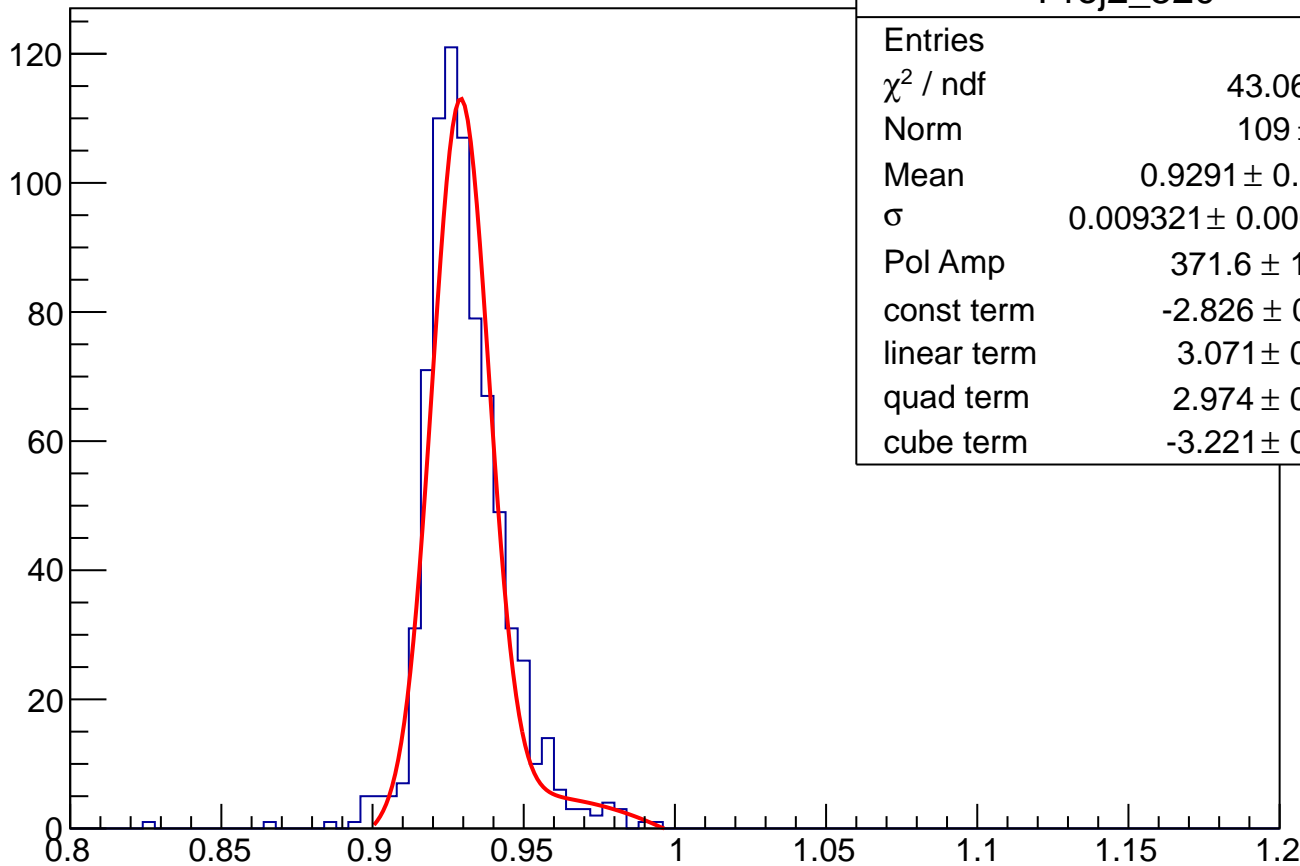
Proj2\_518

Entries	391
$\chi^2 / \text{ndf}$	17.72 / 12
Norm	$46.06 \pm 4.07$
Mean	$0.9322 \pm 0.0008$
$\sigma$	$0.009694 \pm 0.000873$
Pol Amp	$953.3 \pm 414.1$
const term	$-1.752 \pm 0.005$
linear term	$1.888 \pm 0.006$
quad term	$1.951 \pm 0.007$
cube term	$-2.095 \pm 0.006$

# PhiThetaMassPim



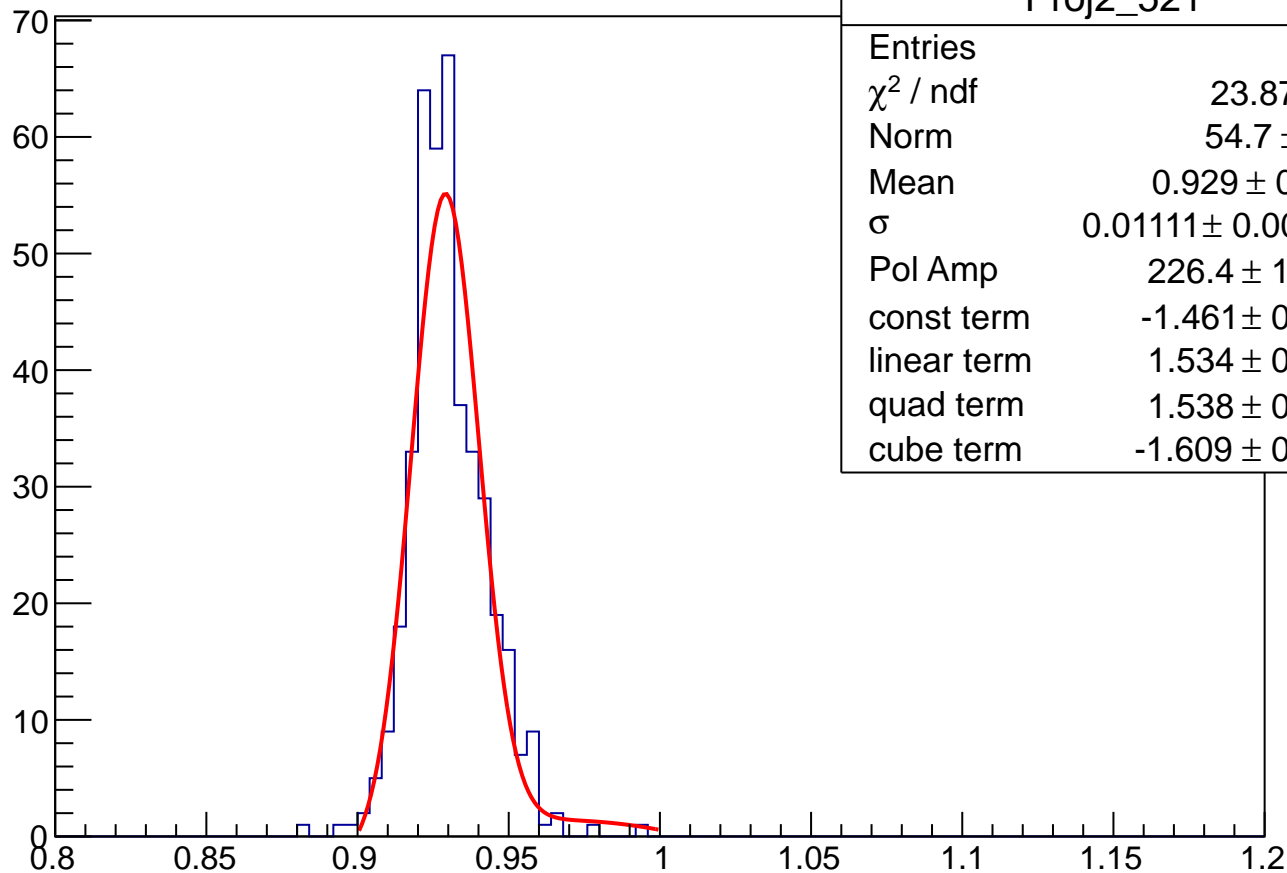
# PhiThetaMassPim



Proj2\_520

Entries	765
$\chi^2 / \text{ndf}$	43.06 / 15
Norm	$109 \pm 5.9$
Mean	$0.9291 \pm 0.0005$
$\sigma$	$0.009321 \pm 0.000409$
Pol Amp	$371.6 \pm 108.3$
const term	$-2.826 \pm 0.014$
linear term	$3.071 \pm 0.015$
quad term	$2.974 \pm 0.016$
cube term	$-3.221 \pm 0.015$

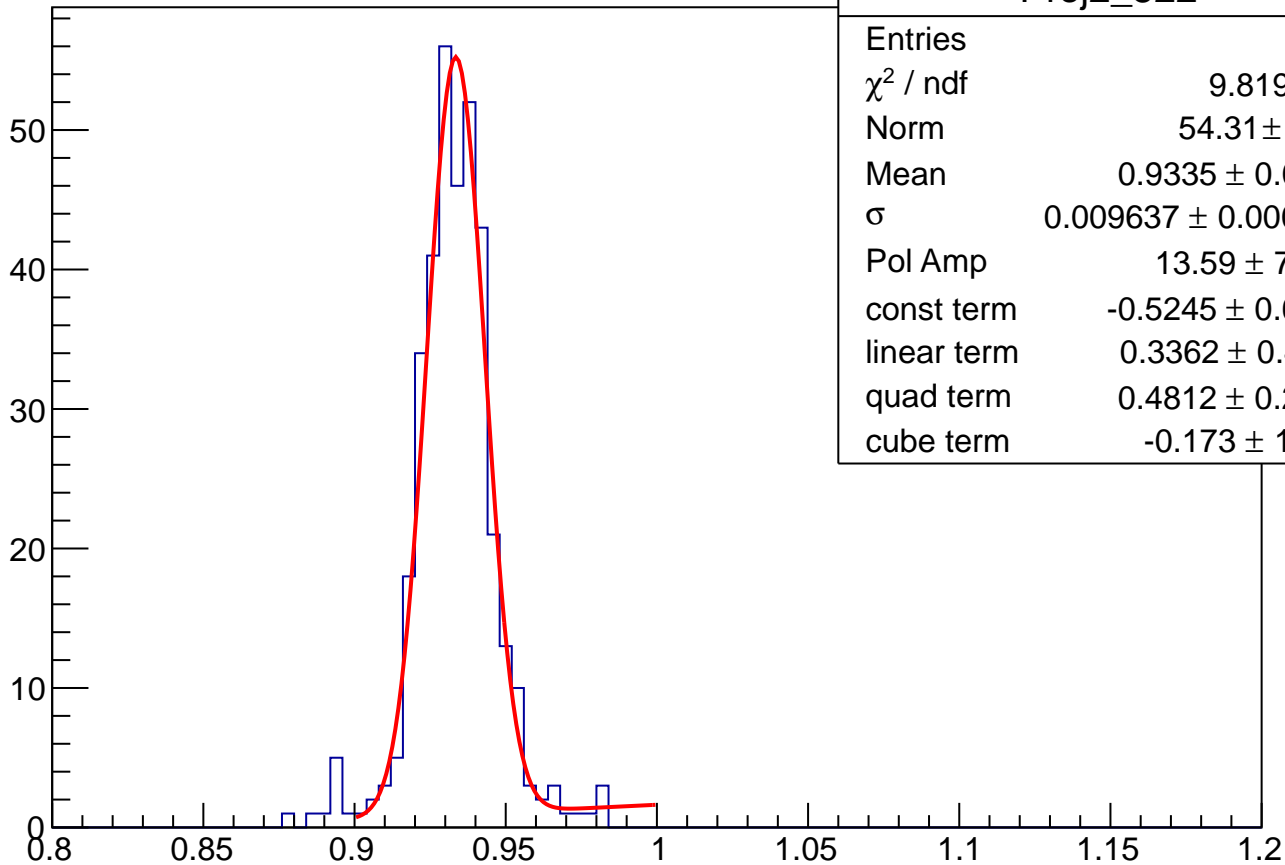
# PhiThetaMassPim



Proj2\_521

Entries	415
$\chi^2 / \text{ndf}$	23.87 / 11
Norm	$54.7 \pm 3.7$
Mean	$0.929 \pm 0.001$
$\sigma$	$0.01111 \pm 0.00072$
Pol Amp	$226.4 \pm 165.6$
const term	$-1.461 \pm 0.023$
linear term	$1.534 \pm 0.025$
quad term	$1.538 \pm 0.026$
cube term	$-1.609 \pm 0.026$

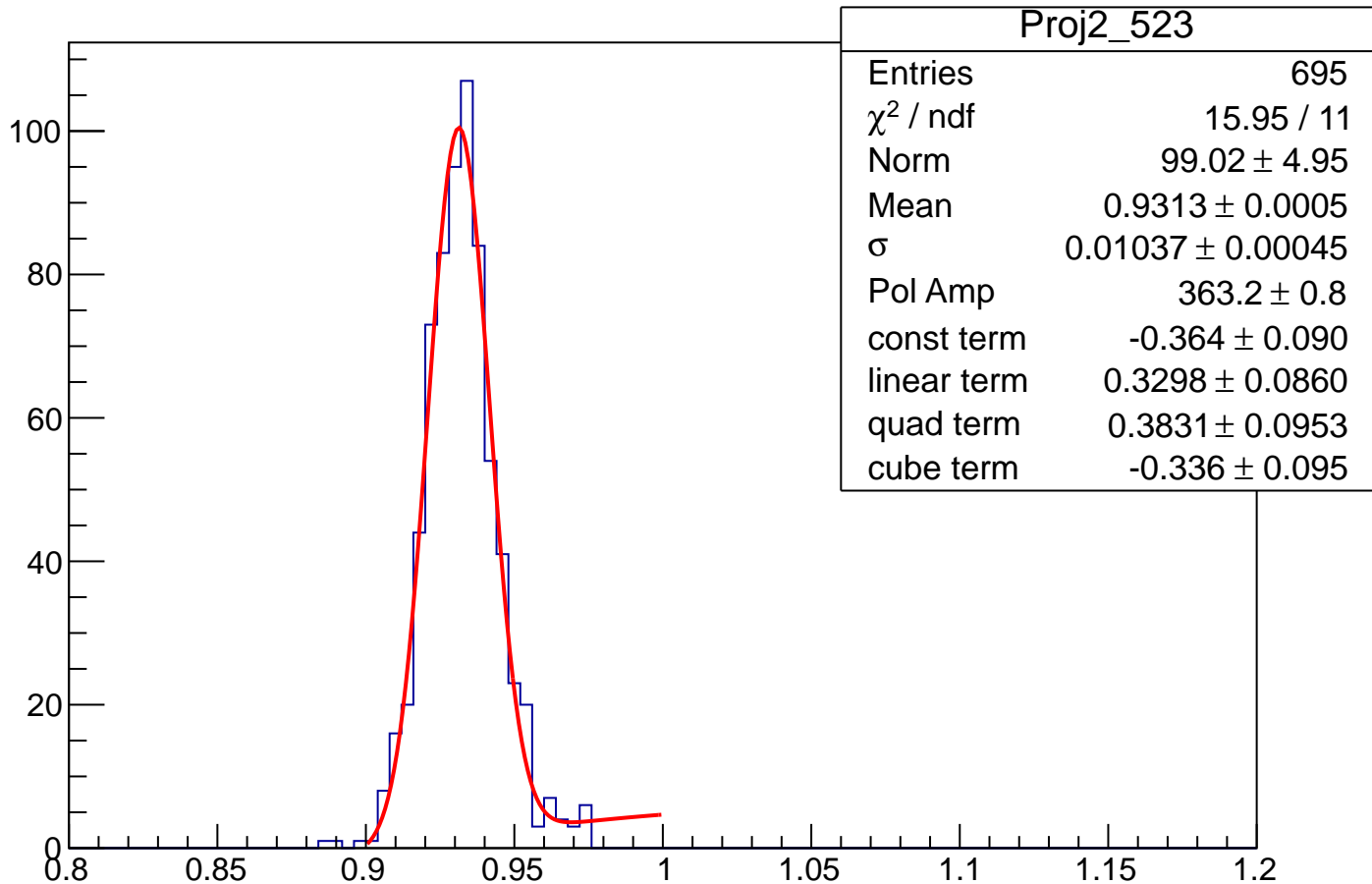
# PhiThetaMassPim



Proj2\_522

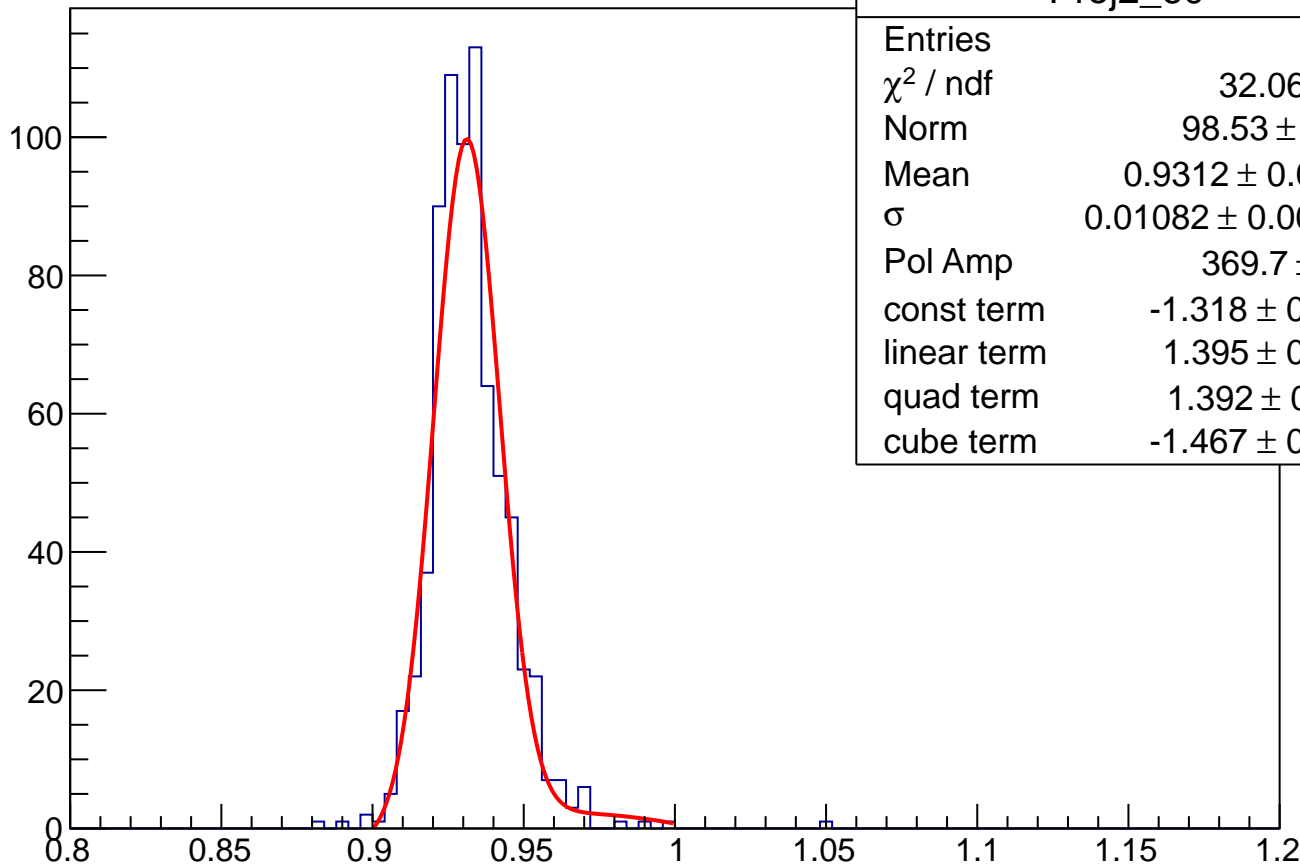
Entries	368
$\chi^2 / \text{ndf}$	9.819 / 13
Norm	$54.31 \pm 3.80$
Mean	$0.9335 \pm 0.0006$
$\sigma$	$0.009637 \pm 0.000486$
Pol Amp	$13.59 \pm 76.10$
const term	$-0.5245 \pm 0.6374$
linear term	$0.3362 \pm 0.4115$
quad term	$0.4812 \pm 0.2360$
cube term	$-0.173 \pm 1.340$

# PhiThetaMassPim





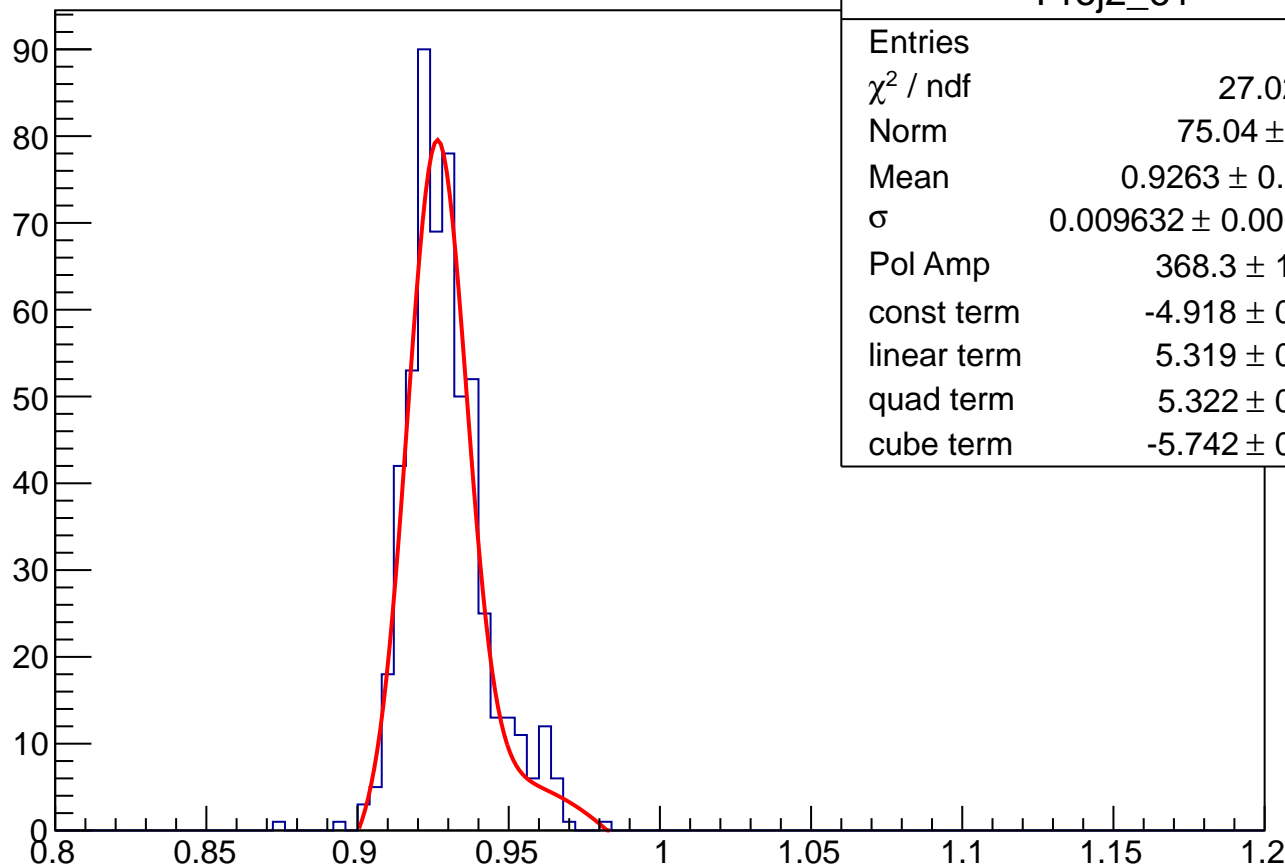
# PhiThetaMassPim



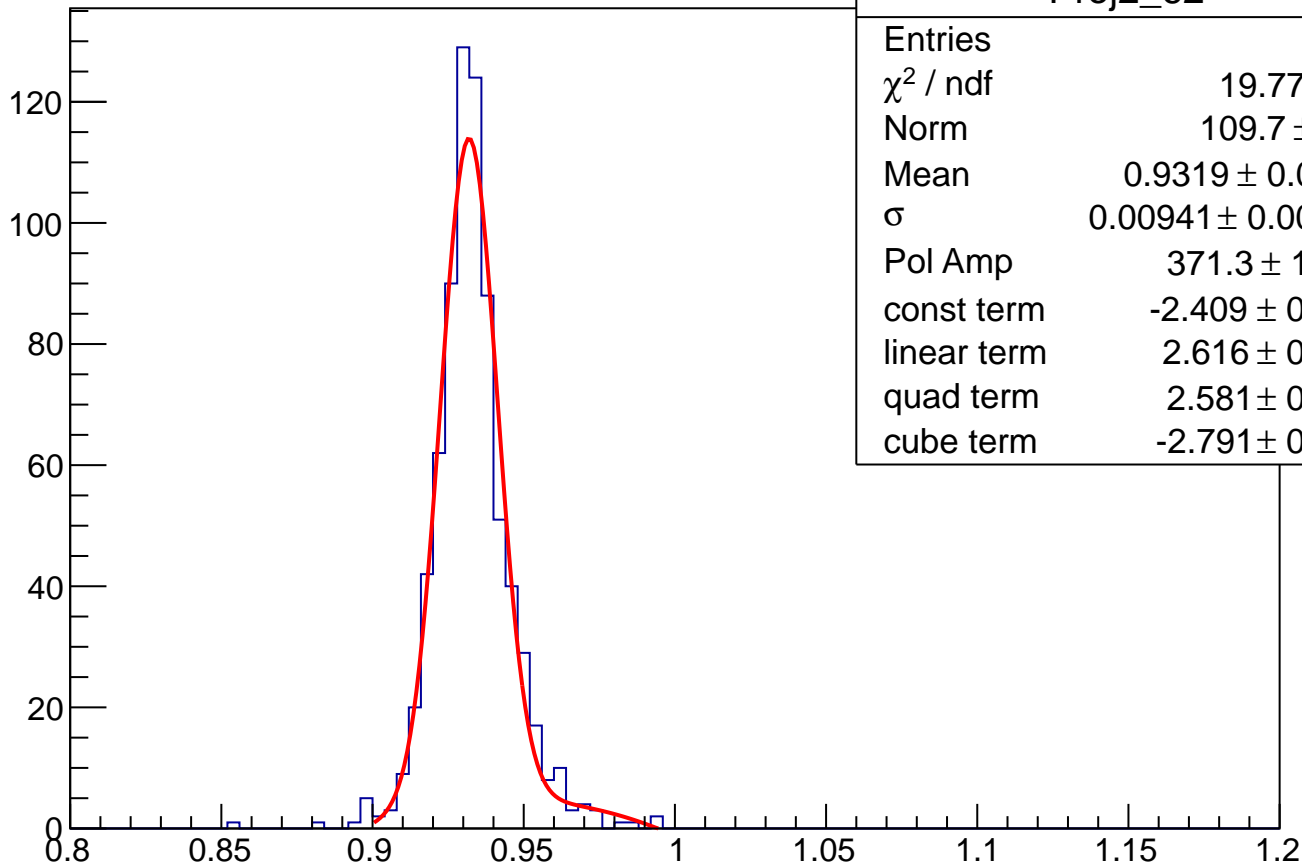
Proj2\_60

Entries	729
$\chi^2 / \text{ndf}$	32.06 / 13
Norm	$98.53 \pm 5.16$
Mean	$0.9312 \pm 0.0005$
$\sigma$	$0.01082 \pm 0.00047$
Pol Amp	$369.7 \pm 0.3$
const term	$-1.318 \pm 0.279$
linear term	$1.395 \pm 0.289$
quad term	$1.392 \pm 0.291$
cube term	$-1.467 \pm 0.302$

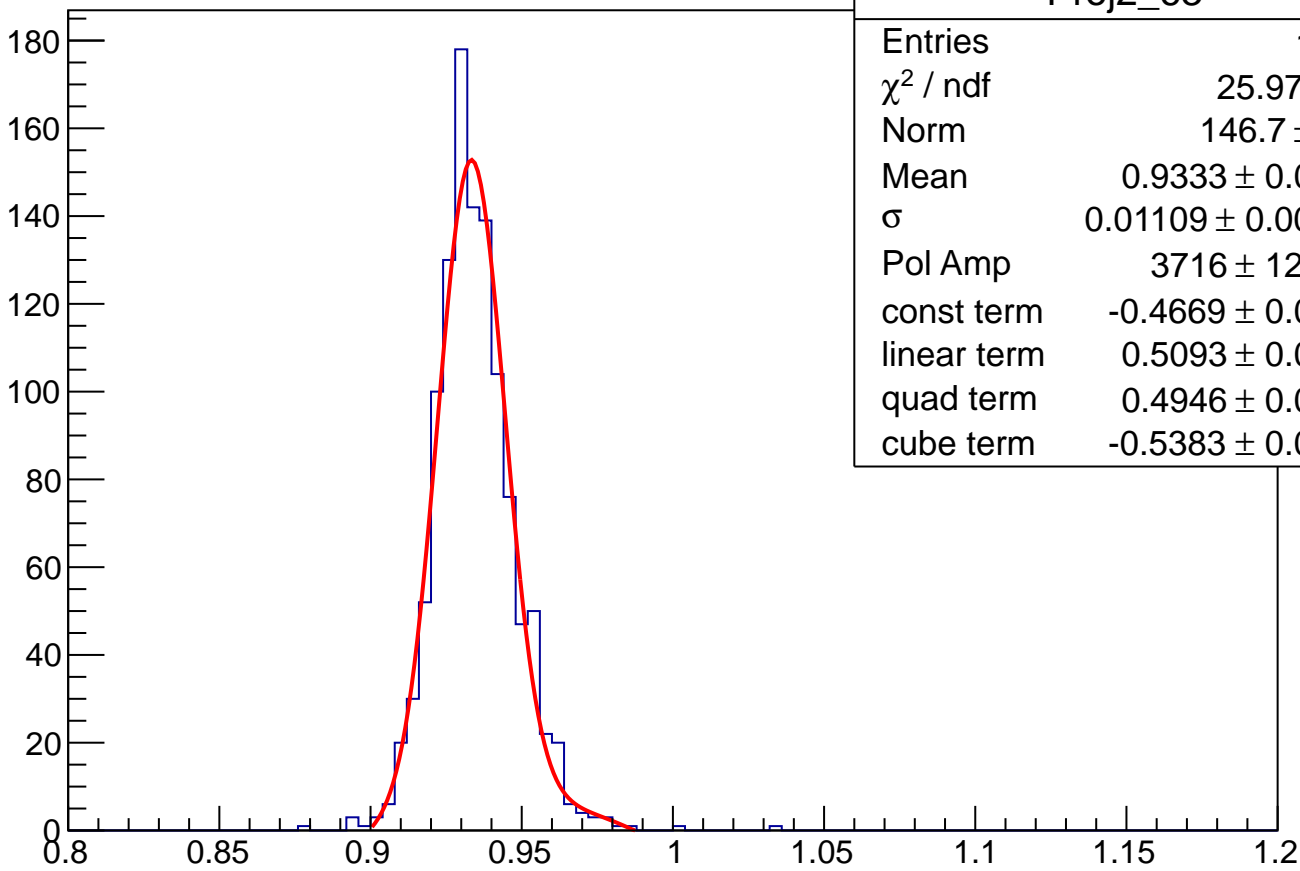
# PhiThetaMassPim



# PhiThetaMassPim



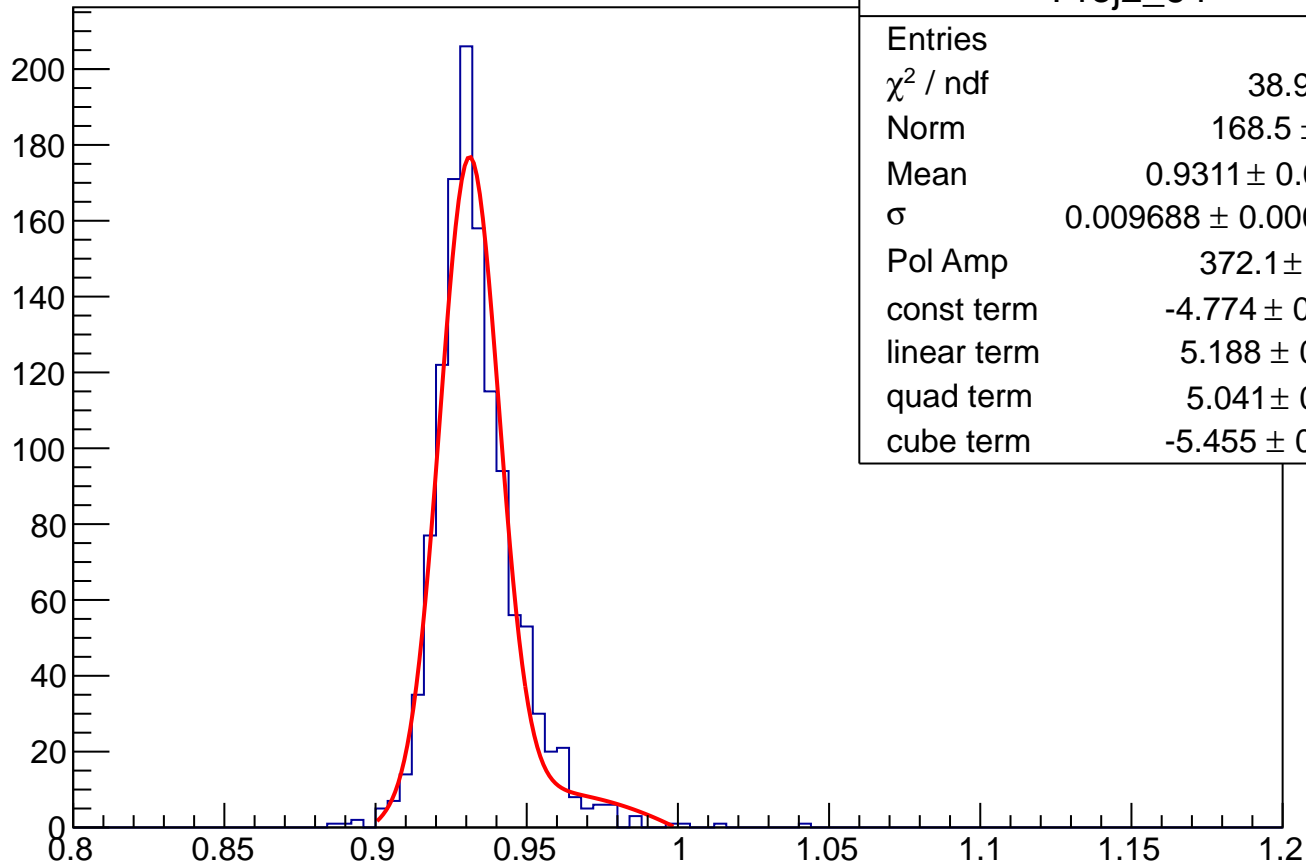
# PhiThetaMassPim



Proj2\_63

Entries	1144
$\chi^2 / \text{ndf}$	25.97 / 14
Norm	$146.7 \pm 6.2$
Mean	$0.9333 \pm 0.0004$
$\sigma$	$0.01109 \pm 0.00039$
Pol Amp	$3716 \pm 1269.6$
const term	$-0.4669 \pm 0.0016$
linear term	$0.5093 \pm 0.0017$
quad term	$0.4946 \pm 0.0018$
cube term	$-0.5383 \pm 0.0017$

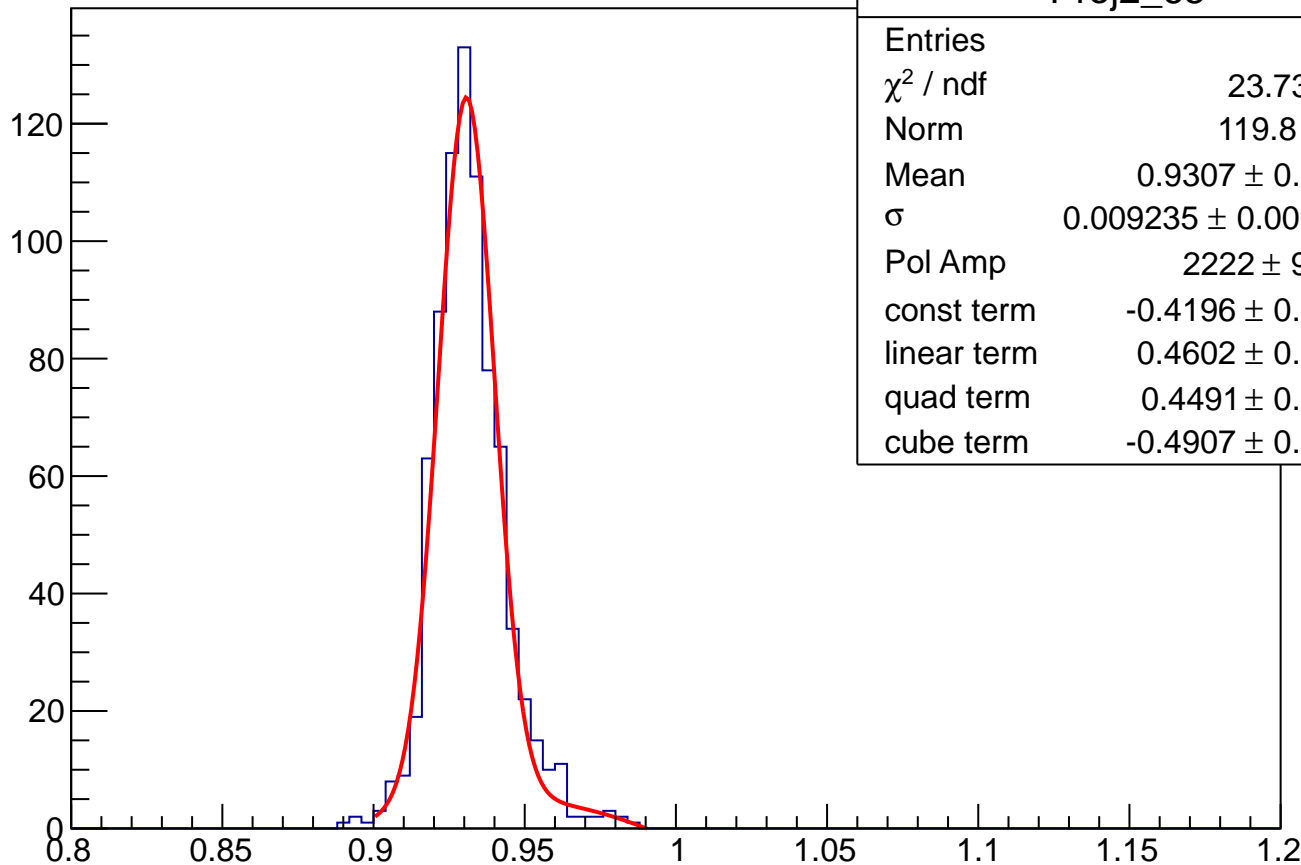
# PhiThetaMassPim



Proj2\_64

Entries	1220
$\chi^2 / \text{ndf}$	38.9 / 14
Norm	$168.5 \pm 7.3$
Mean	$0.9311 \pm 0.0004$
$\sigma$	$0.009688 \pm 0.000364$
Pol Amp	$372.1 \pm 73.0$
const term	$-4.774 \pm 0.018$
linear term	$5.188 \pm 0.021$
quad term	$5.041 \pm 0.021$
cube term	$-5.455 \pm 0.020$

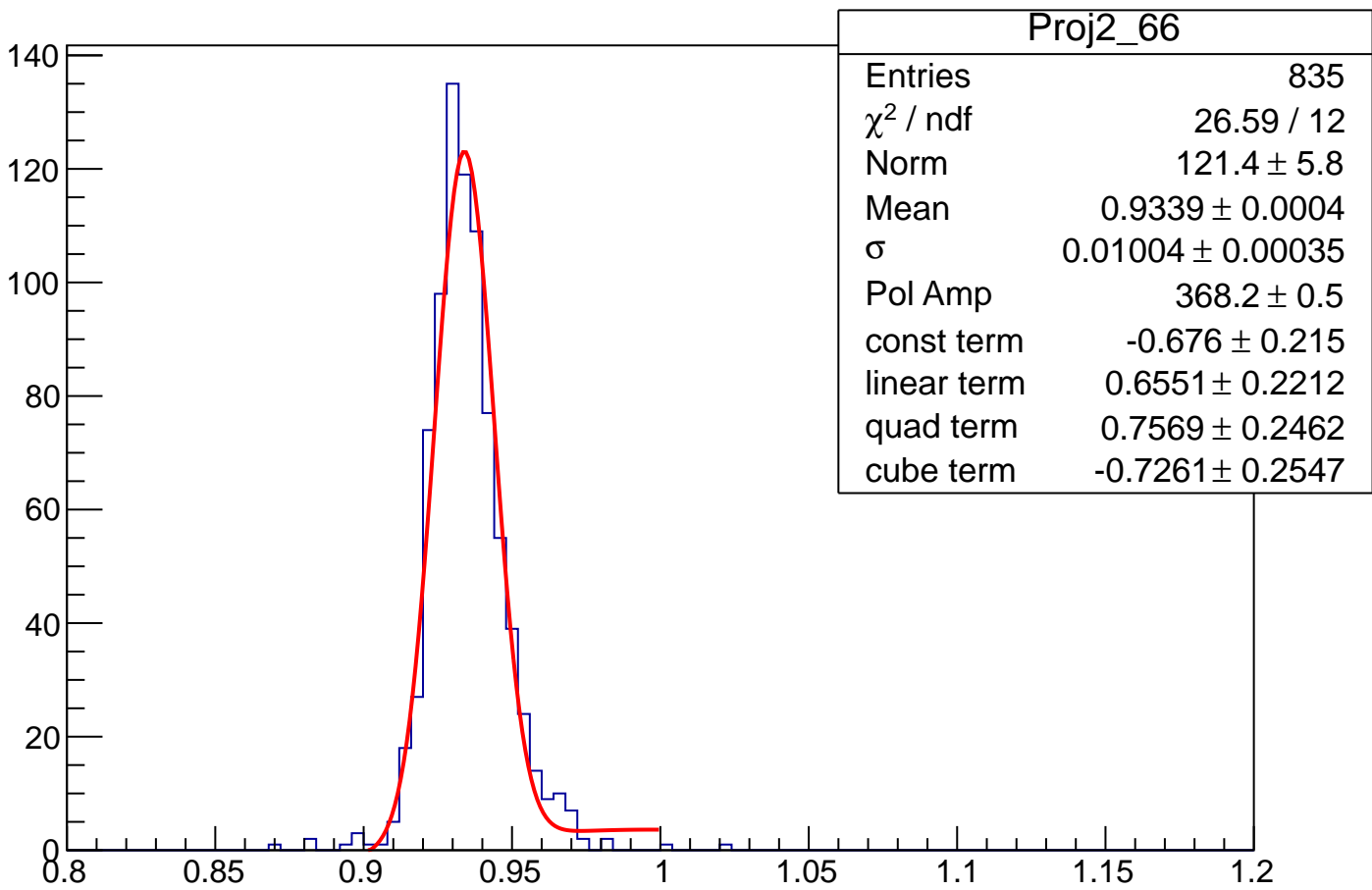
# PhiThetaMassPim



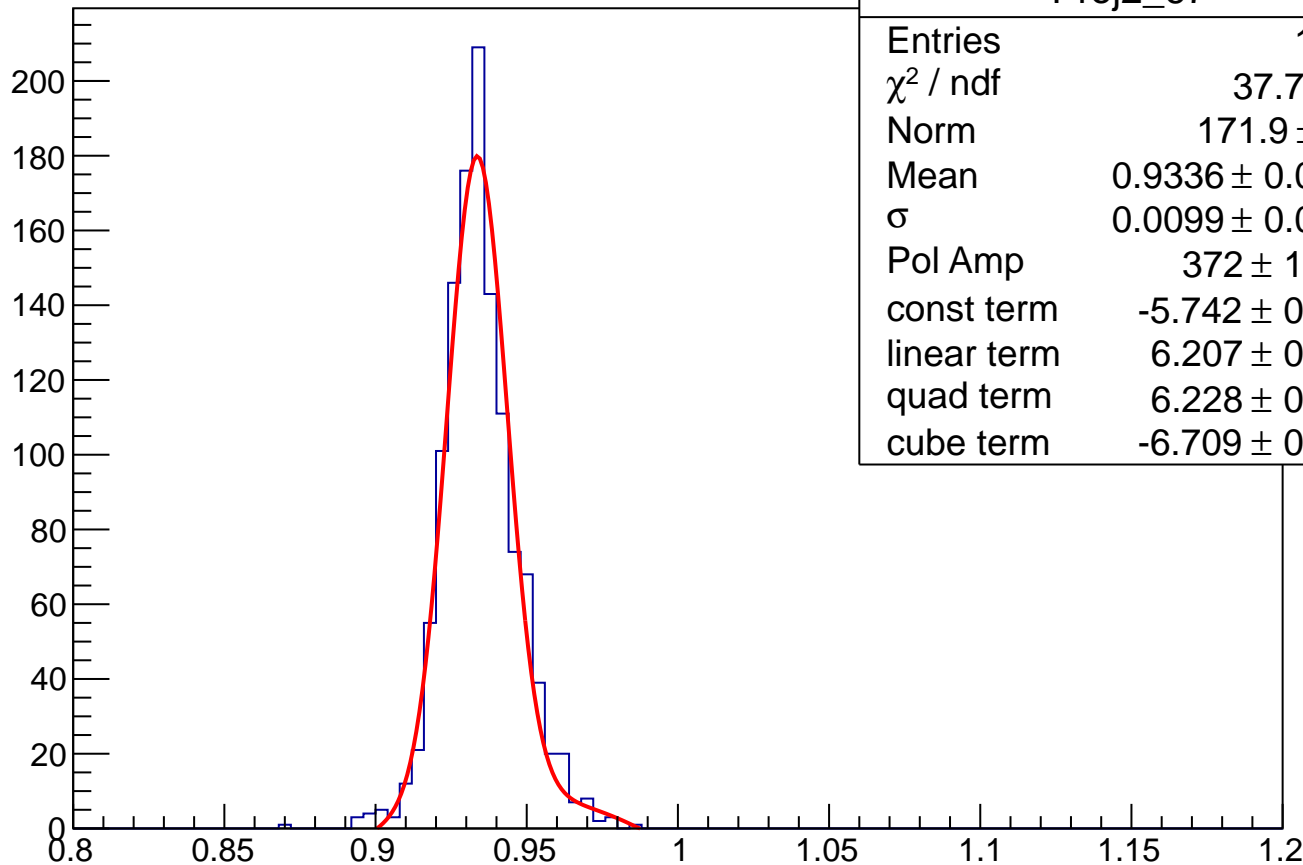
Proj2\_65

Entries	800
$\chi^2 / \text{ndf}$	23.73 / 14
Norm	$119.8 \pm 6.1$
Mean	$0.9307 \pm 0.0004$
$\sigma$	$0.009235 \pm 0.000384$
Pol Amp	$2222 \pm 992.3$
const term	$-0.4196 \pm 0.0024$
linear term	$0.4602 \pm 0.0027$
quad term	$0.4491 \pm 0.0028$
cube term	$-0.4907 \pm 0.0026$

# PhiThetaMassPim



# PhiThetaMassPim

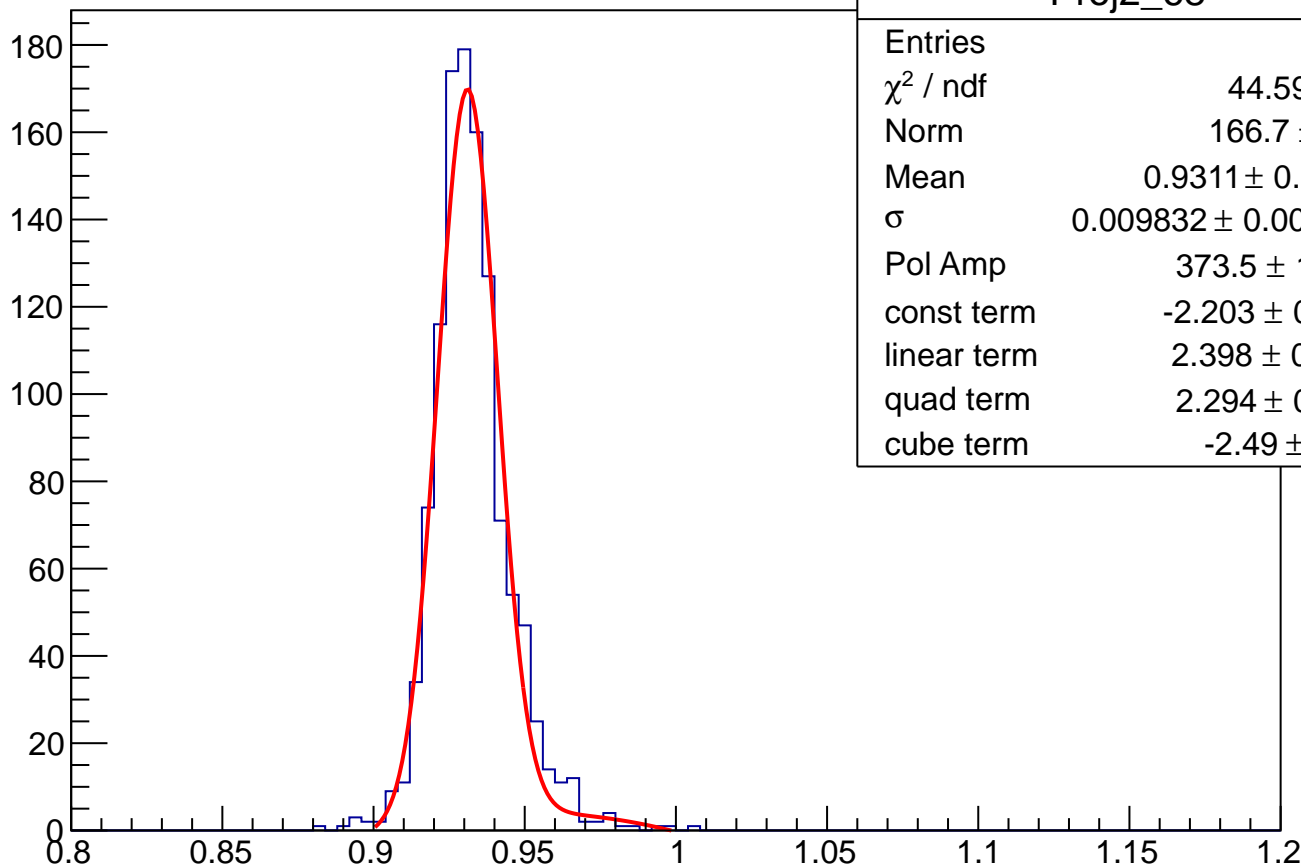


Proj2\_67

Entries	1232
$\chi^2 / \text{ndf}$	37.7 / 13
Norm	$171.9 \pm 7.1$
Mean	$0.9336 \pm 0.0004$
$\sigma$	$0.0099 \pm 0.0004$
Pol Amp	$372 \pm 106.0$
const term	$-5.742 \pm 0.017$
linear term	$6.207 \pm 0.020$
quad term	$6.228 \pm 0.020$
cube term	$-6.709 \pm 0.019$



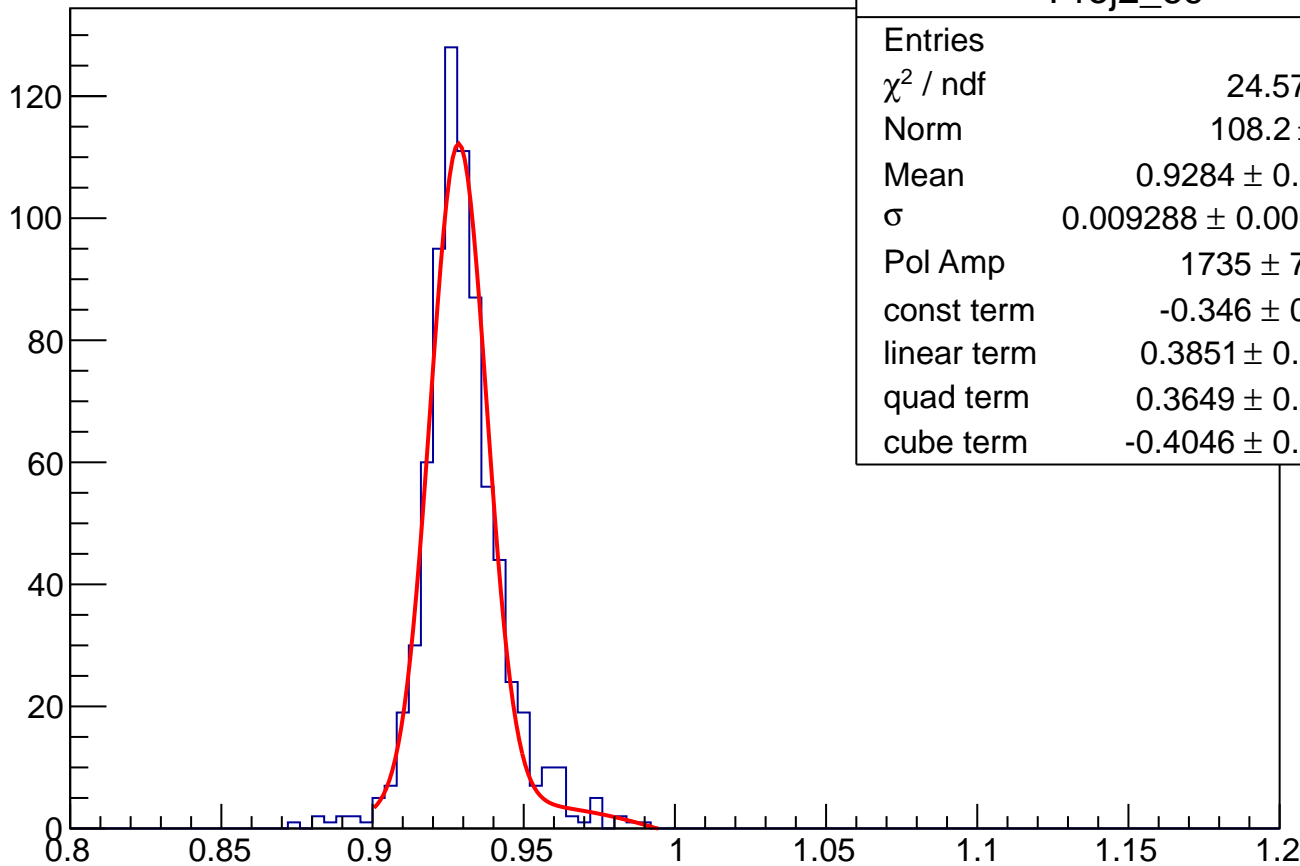
# PhiThetaMassPim



Proj2\_68

Entries	1140
$\chi^2 / \text{ndf}$	44.59 / 16
Norm	$166.7 \pm 7.2$
Mean	$0.9311 \pm 0.0004$
$\sigma$	$0.009832 \pm 0.000331$
Pol Amp	$373.5 \pm 118.8$
const term	$-2.203 \pm 0.012$
linear term	$2.398 \pm 0.013$
quad term	$2.294 \pm 0.014$
cube term	$-2.49 \pm 0.01$

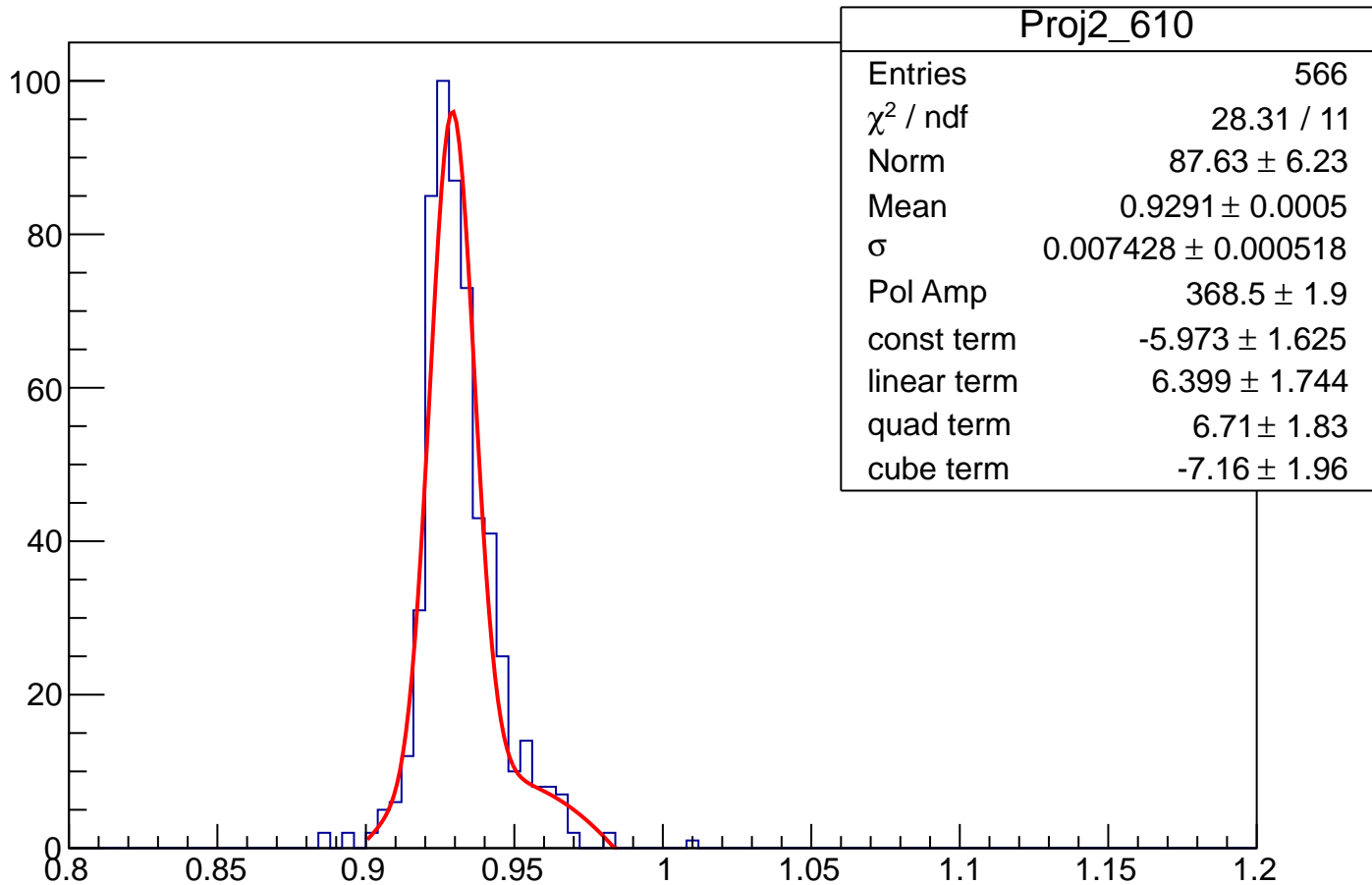
# PhiThetaMassPim



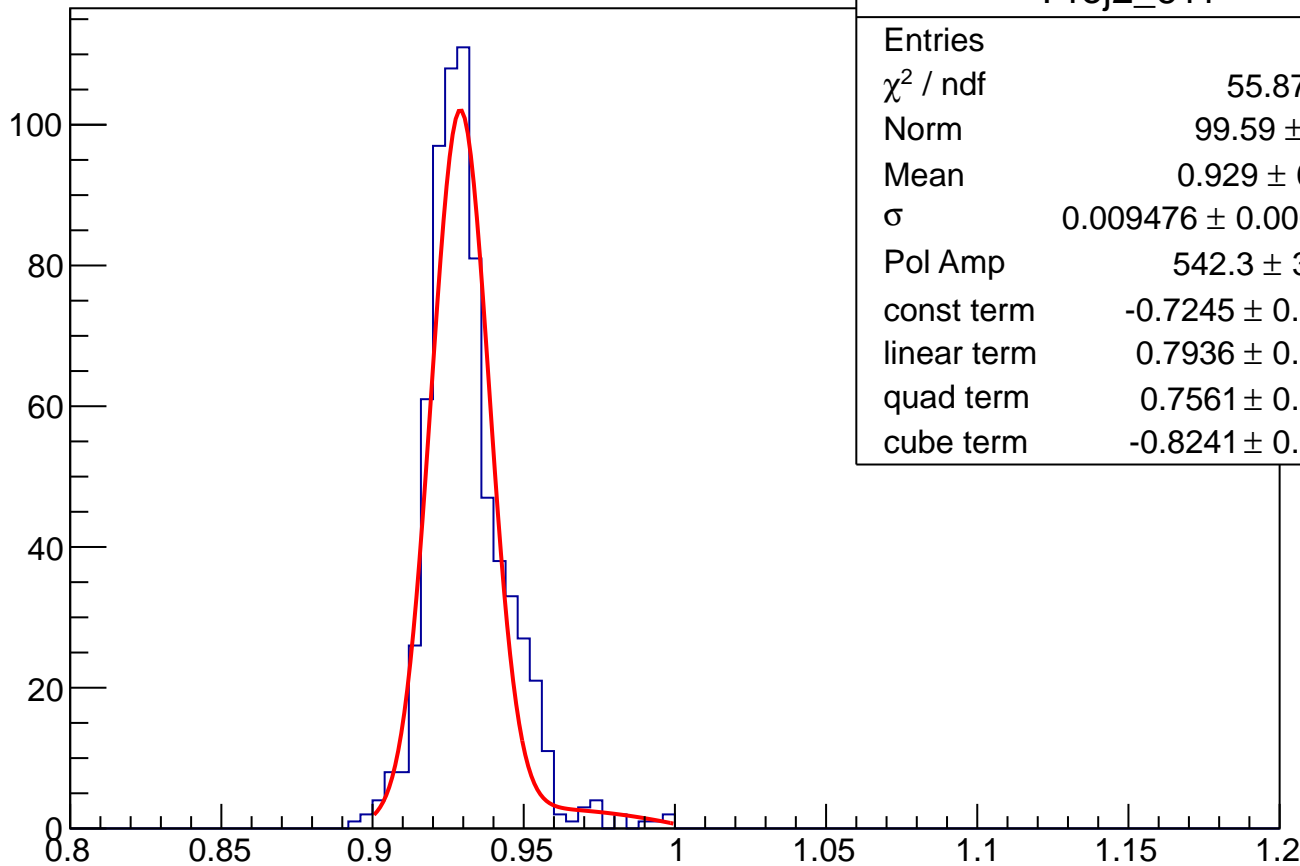
Proj2\_69

Entries	733
$\chi^2 / \text{ndf}$	24.57 / 14
Norm	$108.2 \pm 5.9$
Mean	$0.9284 \pm 0.0004$
$\sigma$	$0.009288 \pm 0.000435$
Pol Amp	$1735 \pm 795.5$
const term	$-0.346 \pm 0.003$
linear term	$0.3851 \pm 0.0032$
quad term	$0.3649 \pm 0.0032$
cube term	$-0.4046 \pm 0.0032$

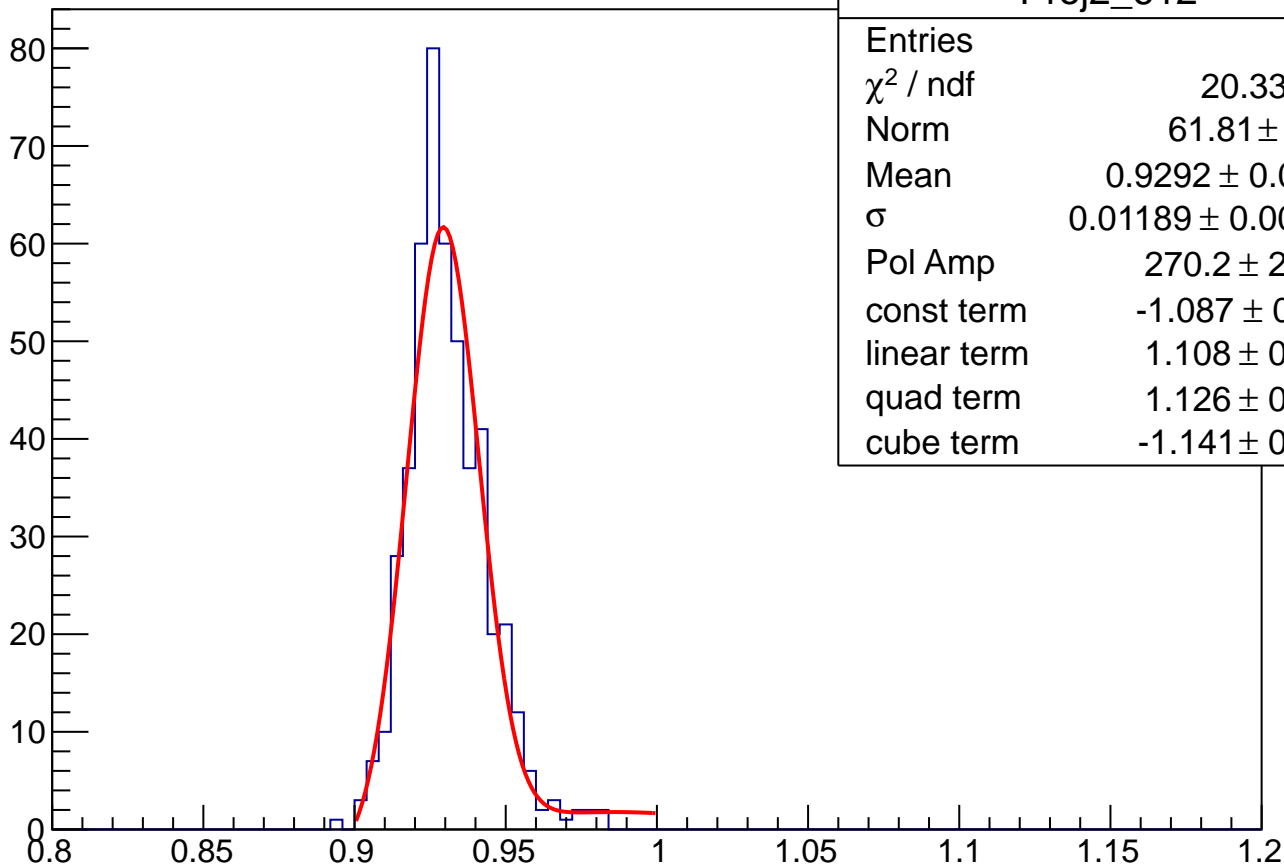
# PhiThetaMassPim



# PhiThetaMassPim



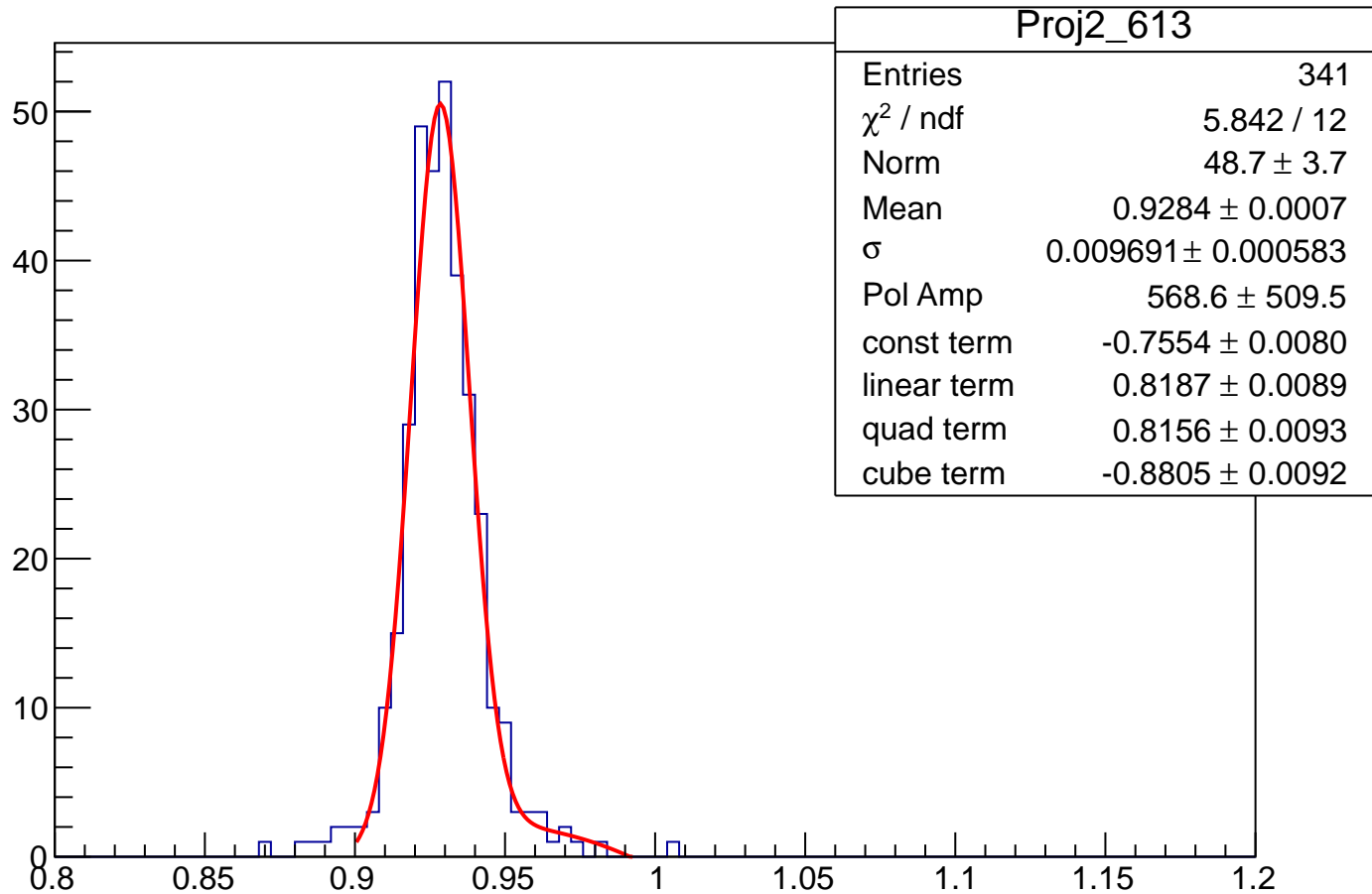
# PhiThetaMassPim



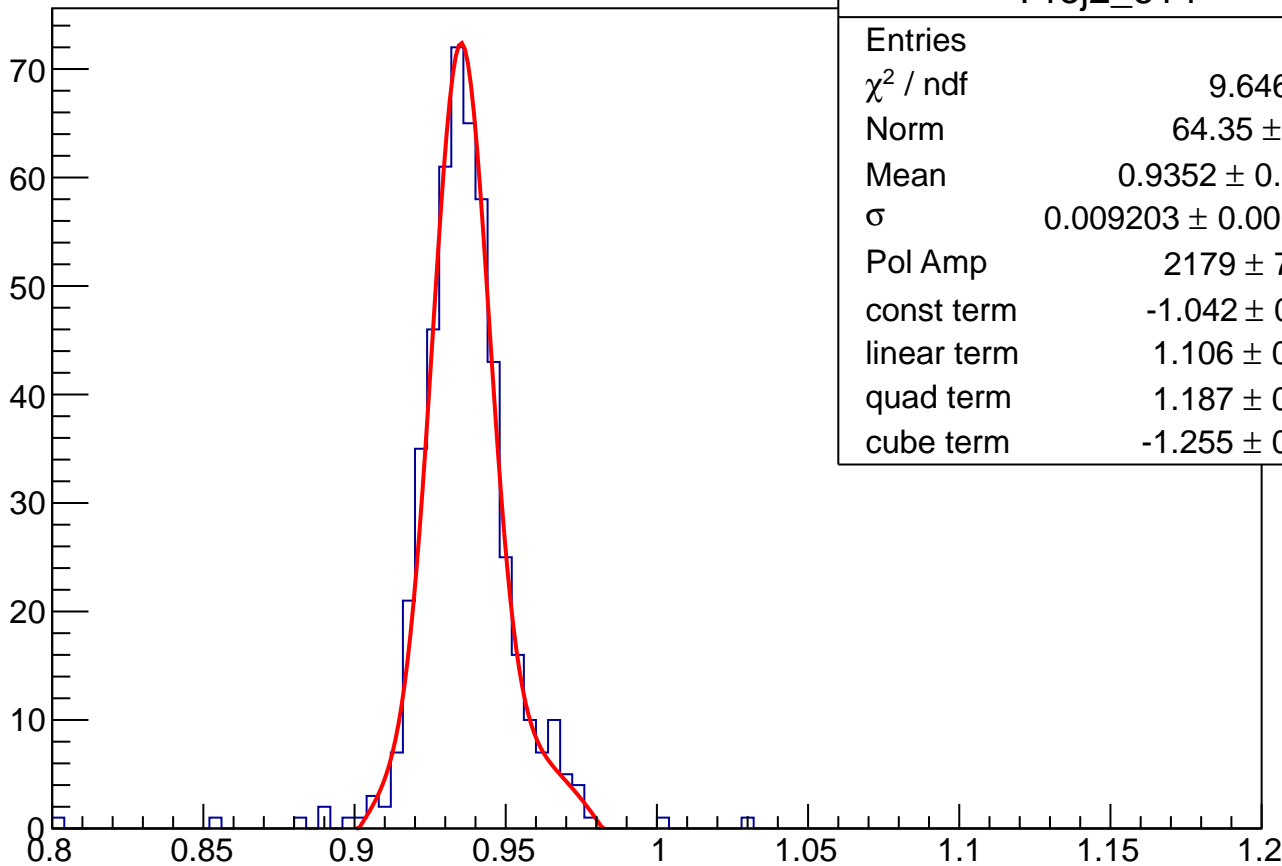
Proj2\_612

Entries	485
$\chi^2 / \text{ndf}$	20.33 / 13
Norm	$61.81 \pm 3.74$
Mean	$0.9292 \pm 0.0007$
$\sigma$	$0.01189 \pm 0.00077$
Pol Amp	$270.2 \pm 201.3$
const term	$-1.087 \pm 0.021$
linear term	$1.108 \pm 0.023$
quad term	$1.126 \pm 0.024$
cube term	$-1.141 \pm 0.024$

# PhiThetaMassPim



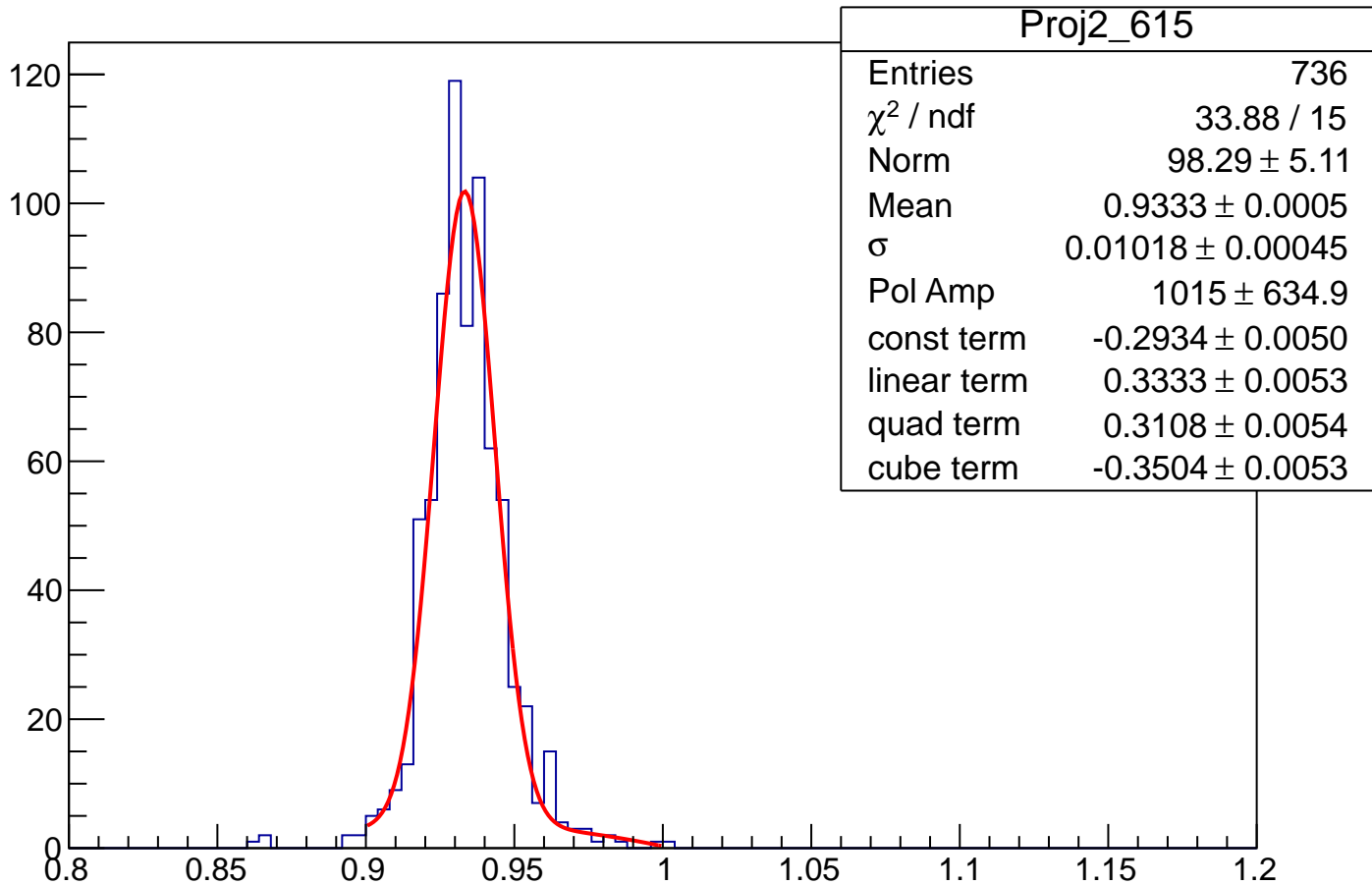
# PhiThetaMassPim



Proj2\_614

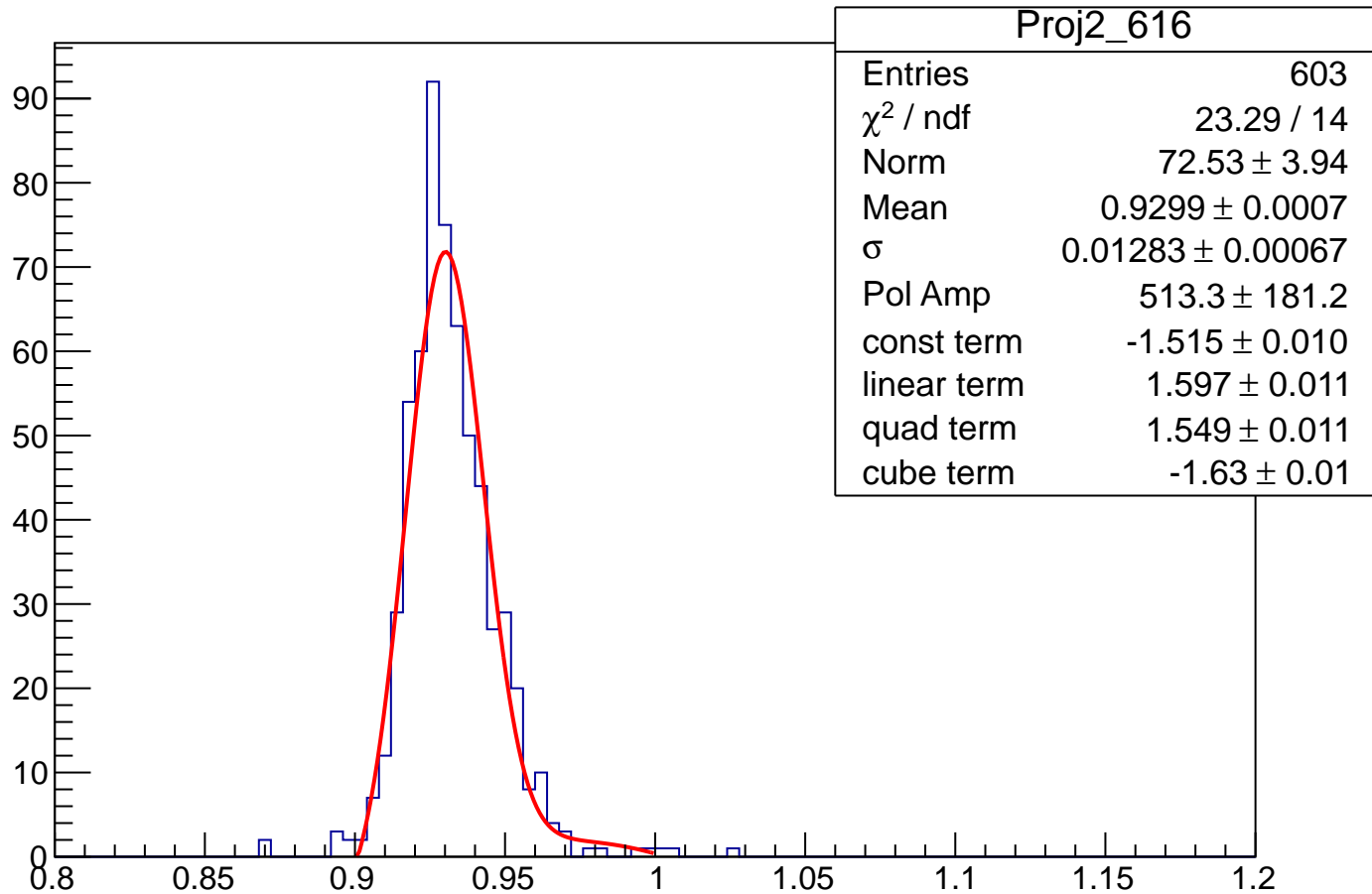
Entries	500
$\chi^2 / \text{ndf}$	9.646 / 12
Norm	$64.35 \pm 4.73$
Mean	$0.9352 \pm 0.0006$
$\sigma$	$0.009203 \pm 0.000614$
Pol Amp	$2179 \pm 794.4$
const term	$-1.042 \pm 0.002$
linear term	$1.106 \pm 0.003$
quad term	$1.187 \pm 0.003$
cube term	$-1.255 \pm 0.003$

# PhiThetaMassPim

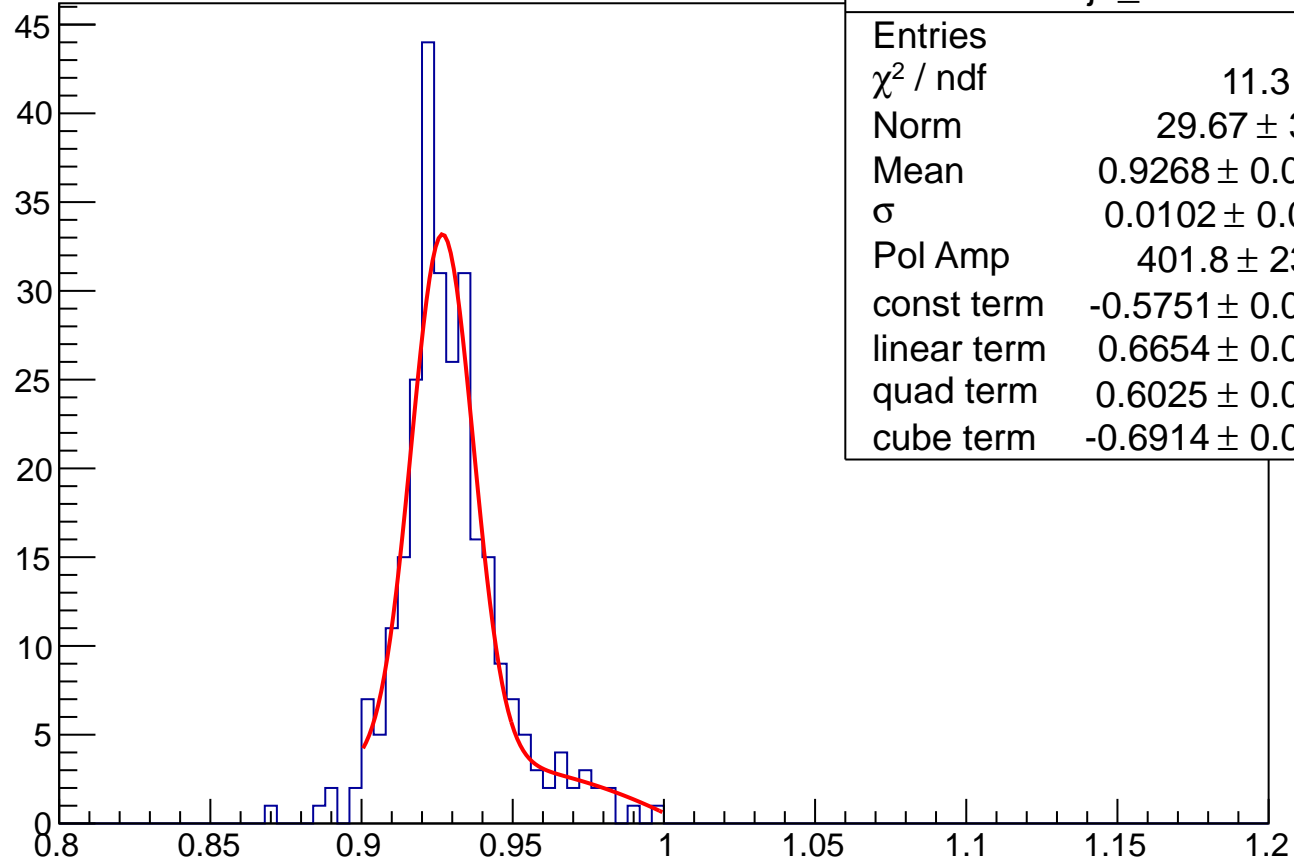




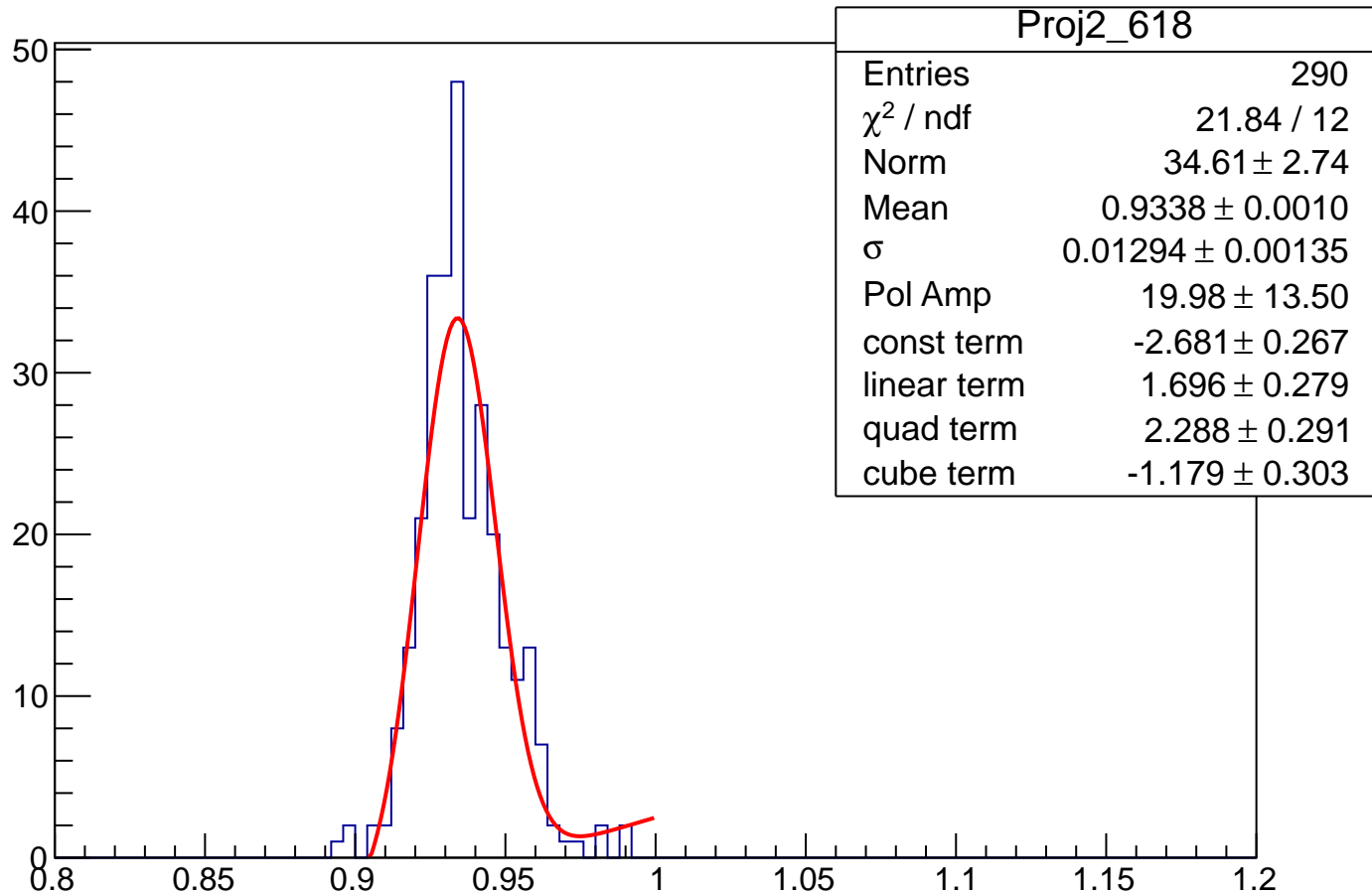
# PhiThetaMassPim



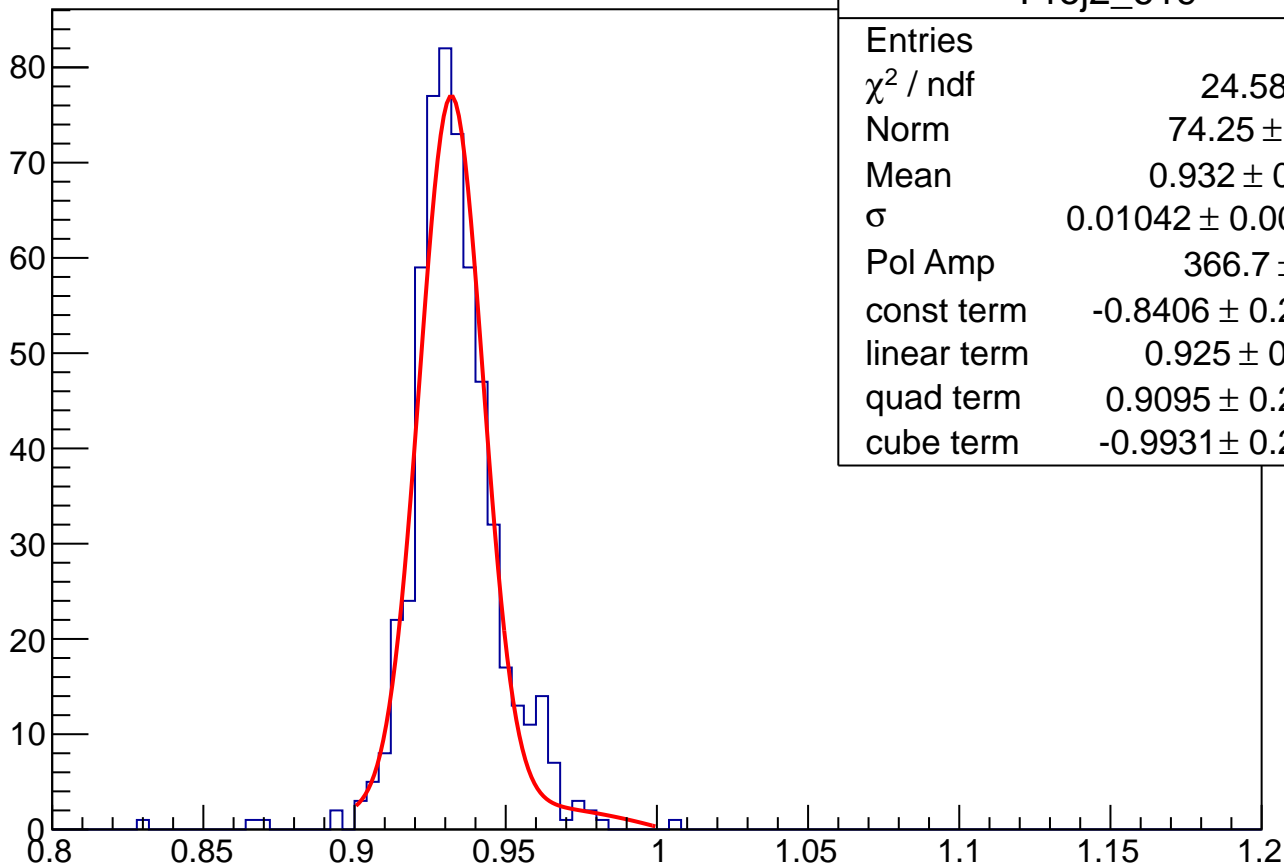
# PhiThetaMassPim



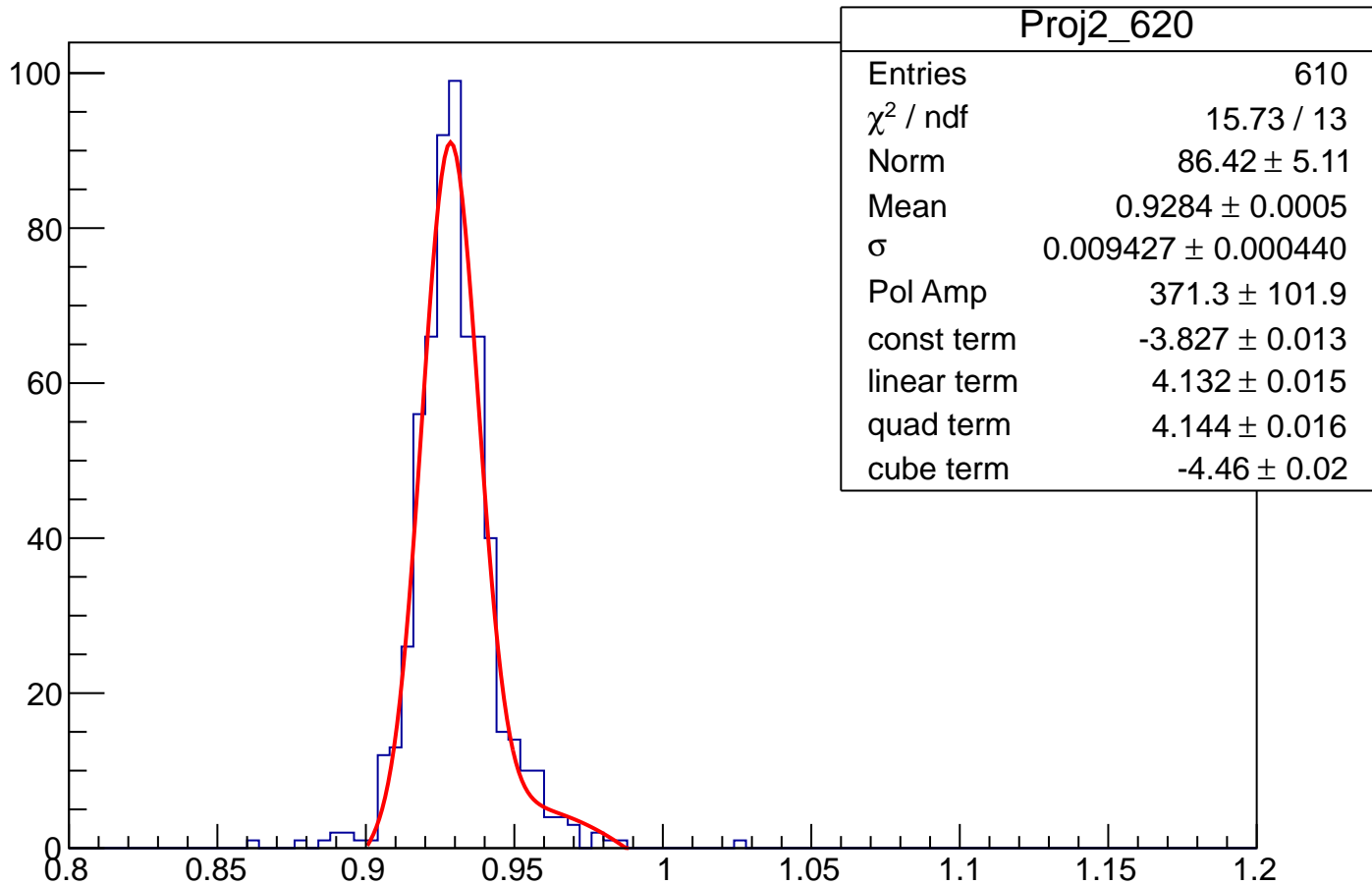
# PhiThetaMassPim



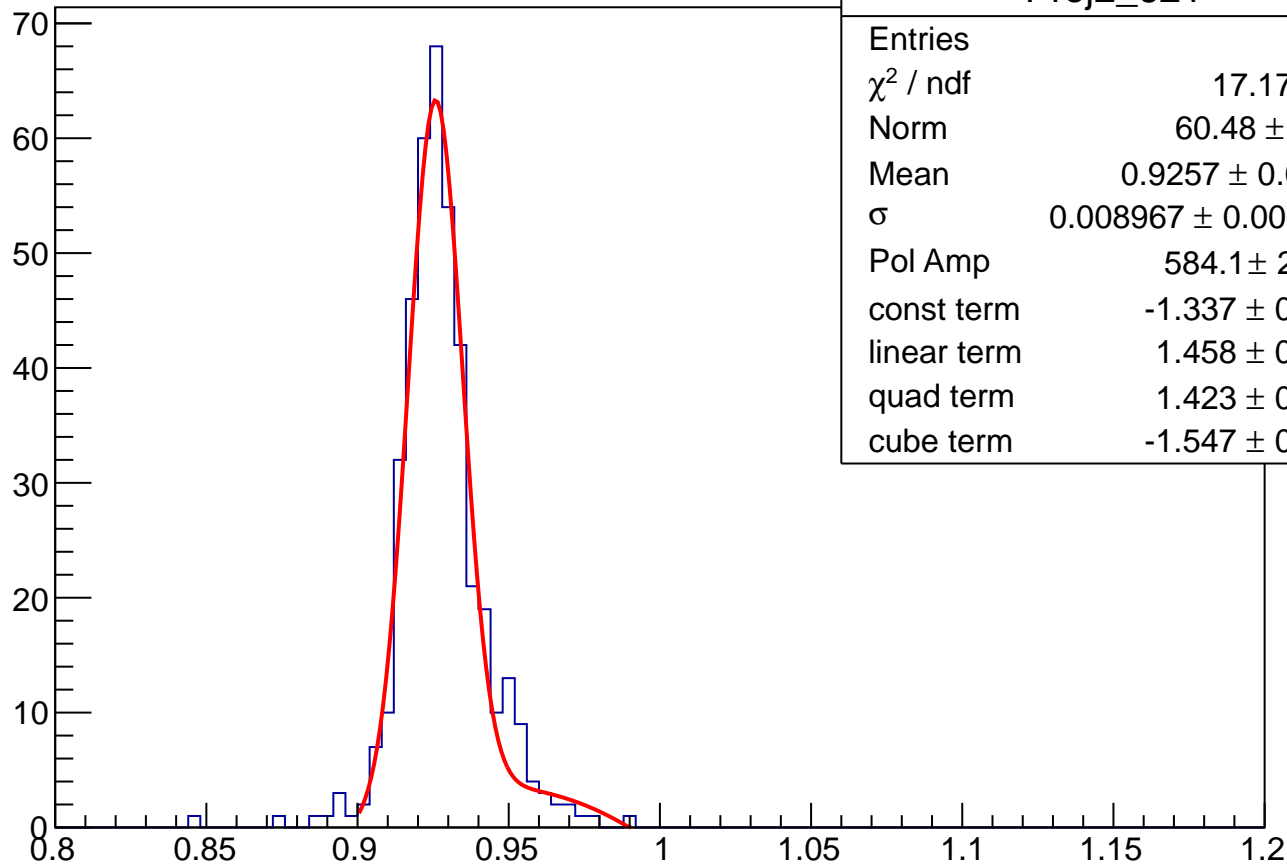
# PhiThetaMassPim



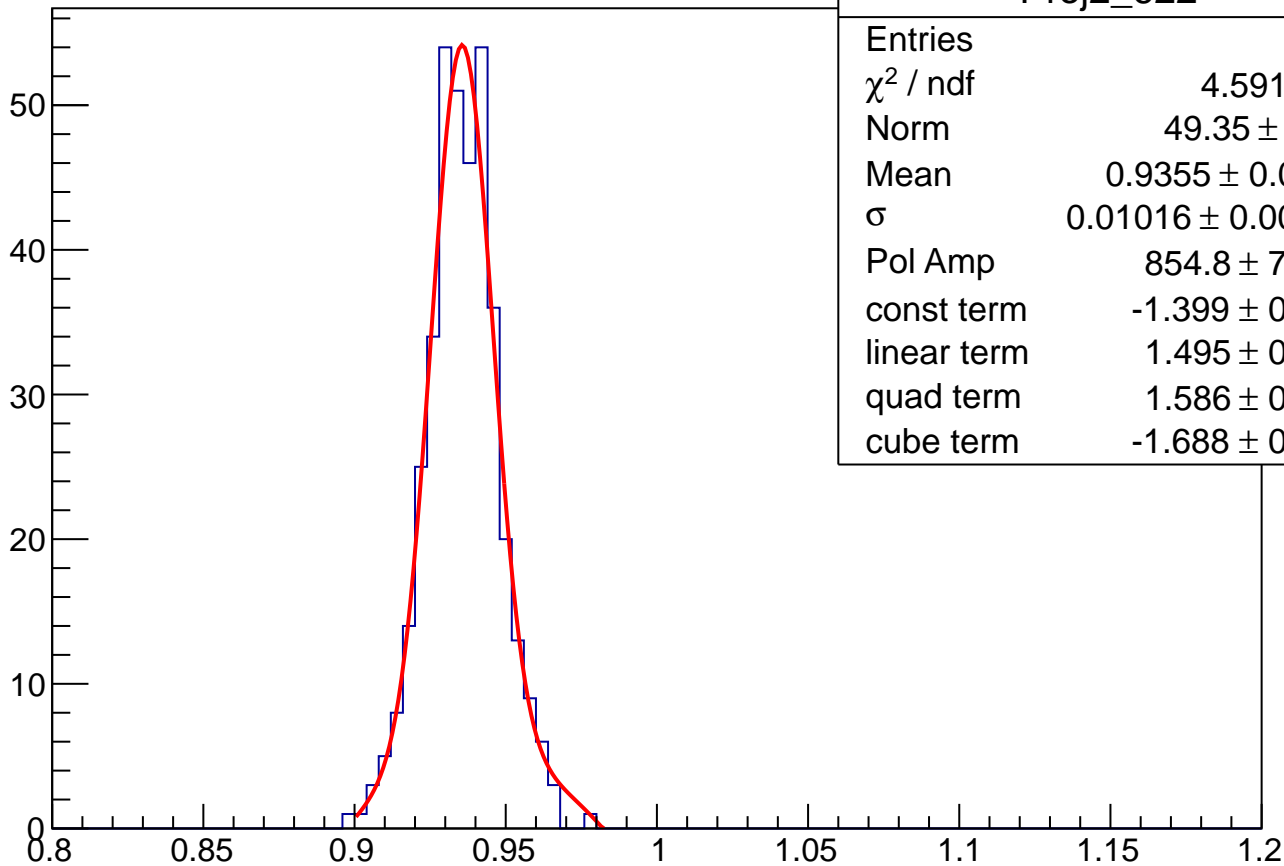
# PhiThetaMassPim



# PhiThetaMassPim



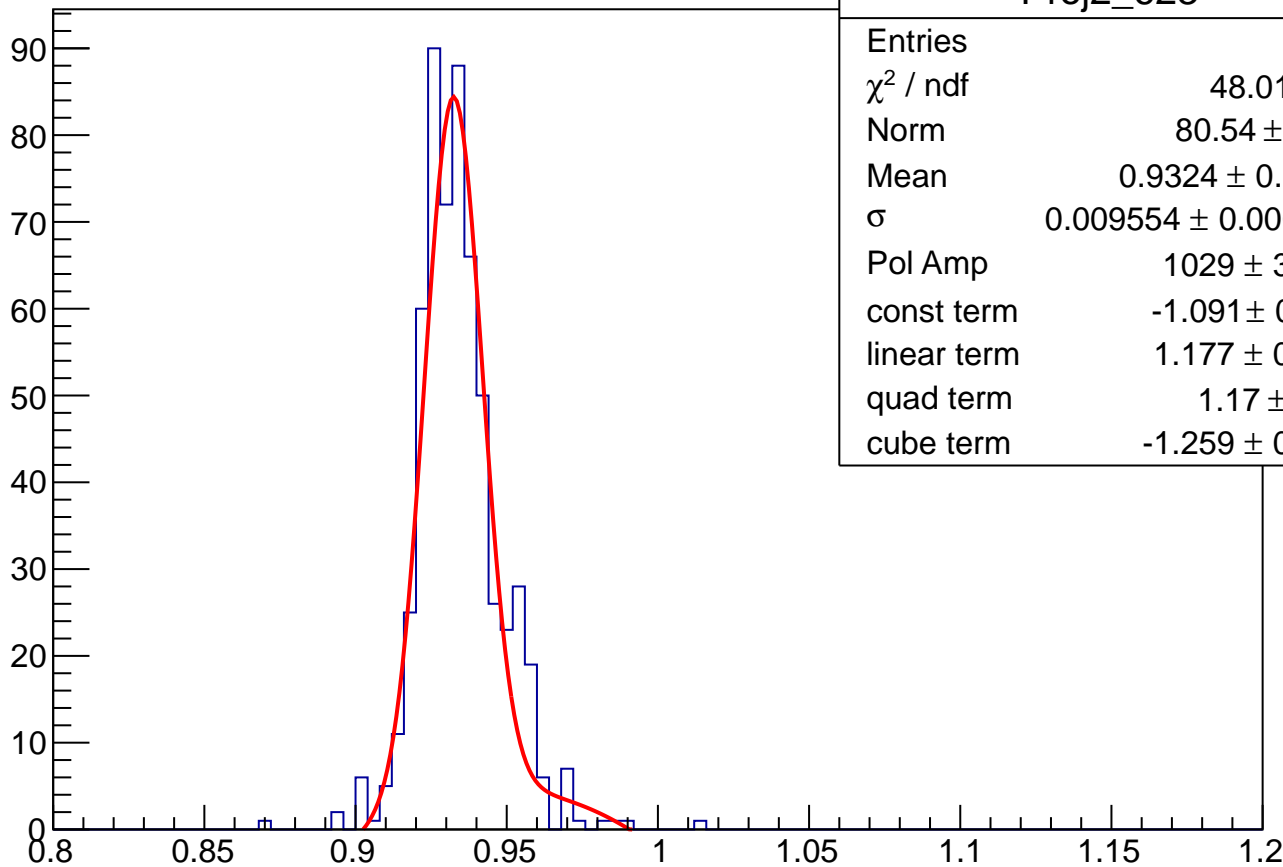
# PhiThetaMassPim



Proj2\_622

Entries	384
$\chi^2 / \text{ndf}$	4.591 / 10
Norm	$49.35 \pm 4.28$
Mean	$0.9355 \pm 0.0007$
$\sigma$	$0.01016 \pm 0.00096$
Pol Amp	$854.8 \pm 716.8$
const term	$-1.399 \pm 0.006$
linear term	$1.495 \pm 0.008$
quad term	$1.586 \pm 0.008$
cube term	$-1.688 \pm 0.007$

# PhiThetaMassPim

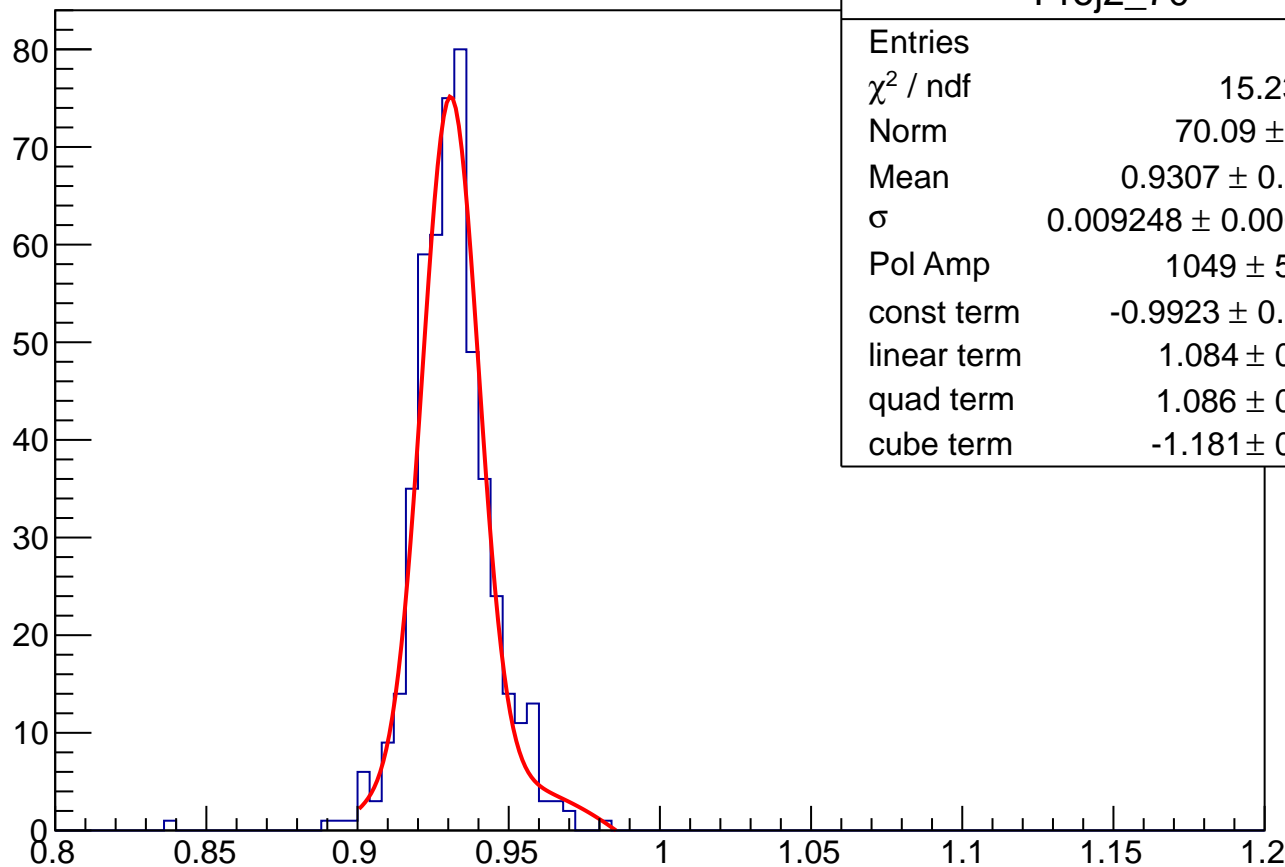


Proj2\_623

Entries	591
$\chi^2 / \text{ndf}$	48.01 / 13
Norm	$80.54 \pm 5.10$
Mean	$0.9324 \pm 0.0006$
$\sigma$	$0.009554 \pm 0.000513$
Pol Amp	$1029 \pm 368.8$
const term	$-1.091 \pm 0.004$
linear term	$1.177 \pm 0.005$
quad term	$1.17 \pm 0.01$
cube term	$-1.259 \pm 0.005$



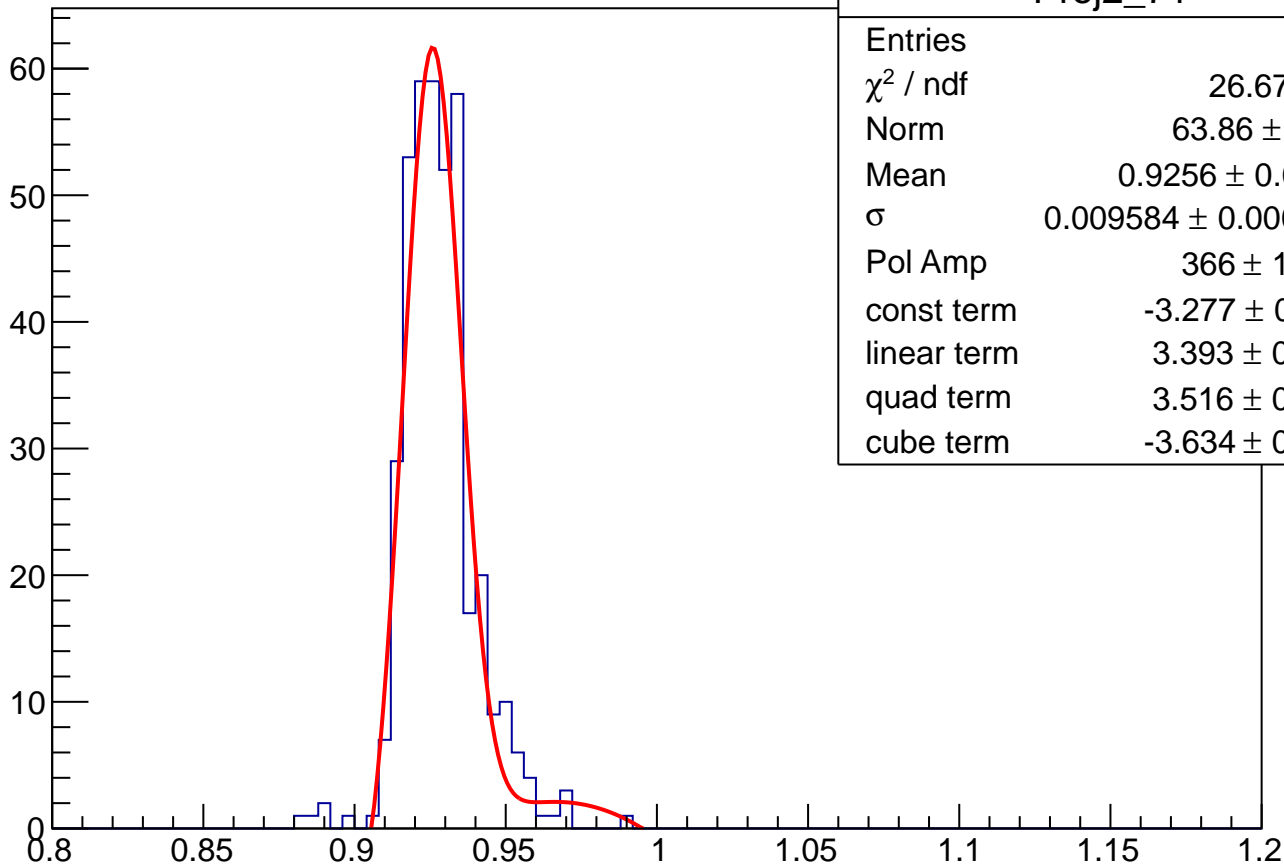
# PhiThetaMassPim



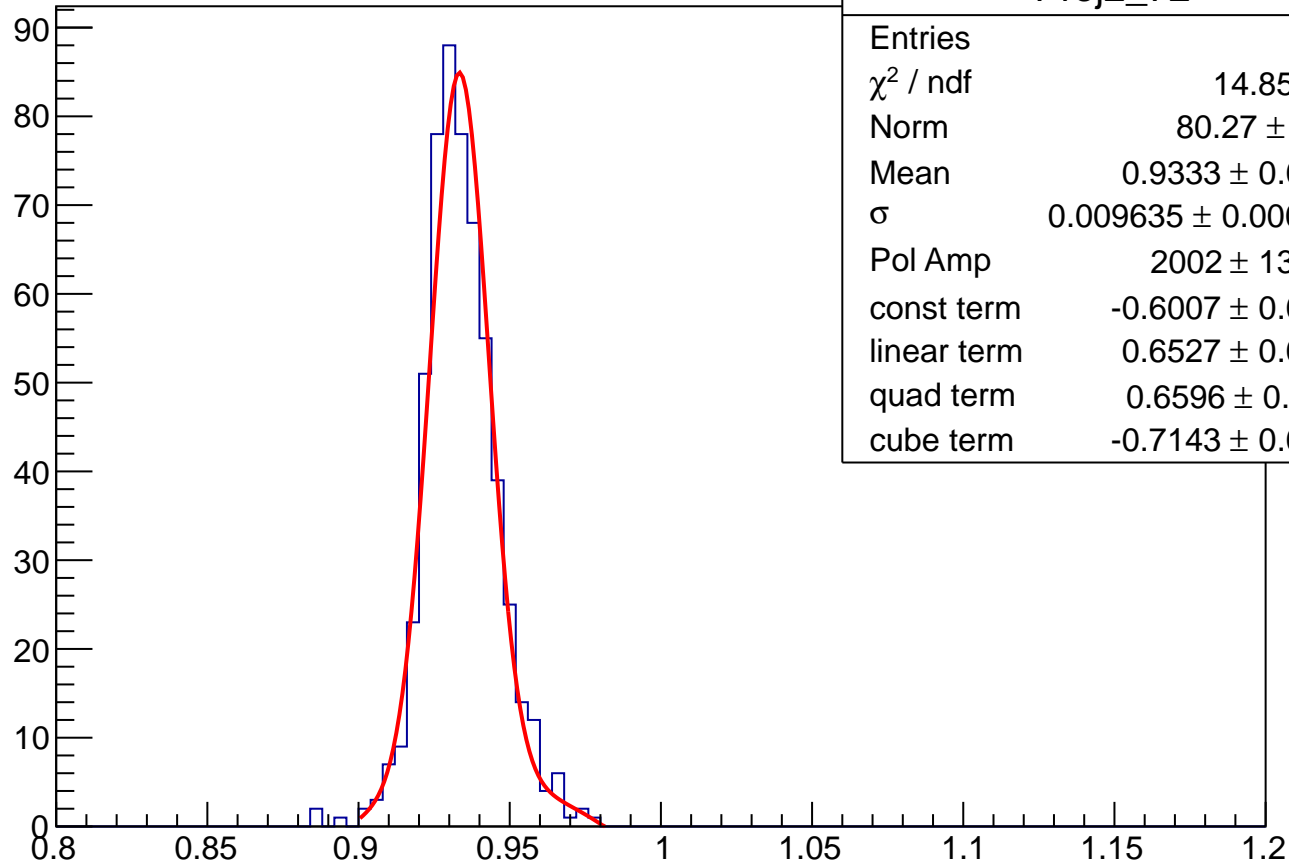
Proj2\_70

Entries	502
$\chi^2 / \text{ndf}$	15.23 / 11
Norm	$70.09 \pm 4.74$
Mean	$0.9307 \pm 0.0006$
$\sigma$	$0.009248 \pm 0.000578$
Pol Amp	$1049 \pm 509.6$
const term	$-0.9923 \pm 0.0058$
linear term	$1.084 \pm 0.007$
quad term	$1.086 \pm 0.007$
cube term	$-1.181 \pm 0.006$

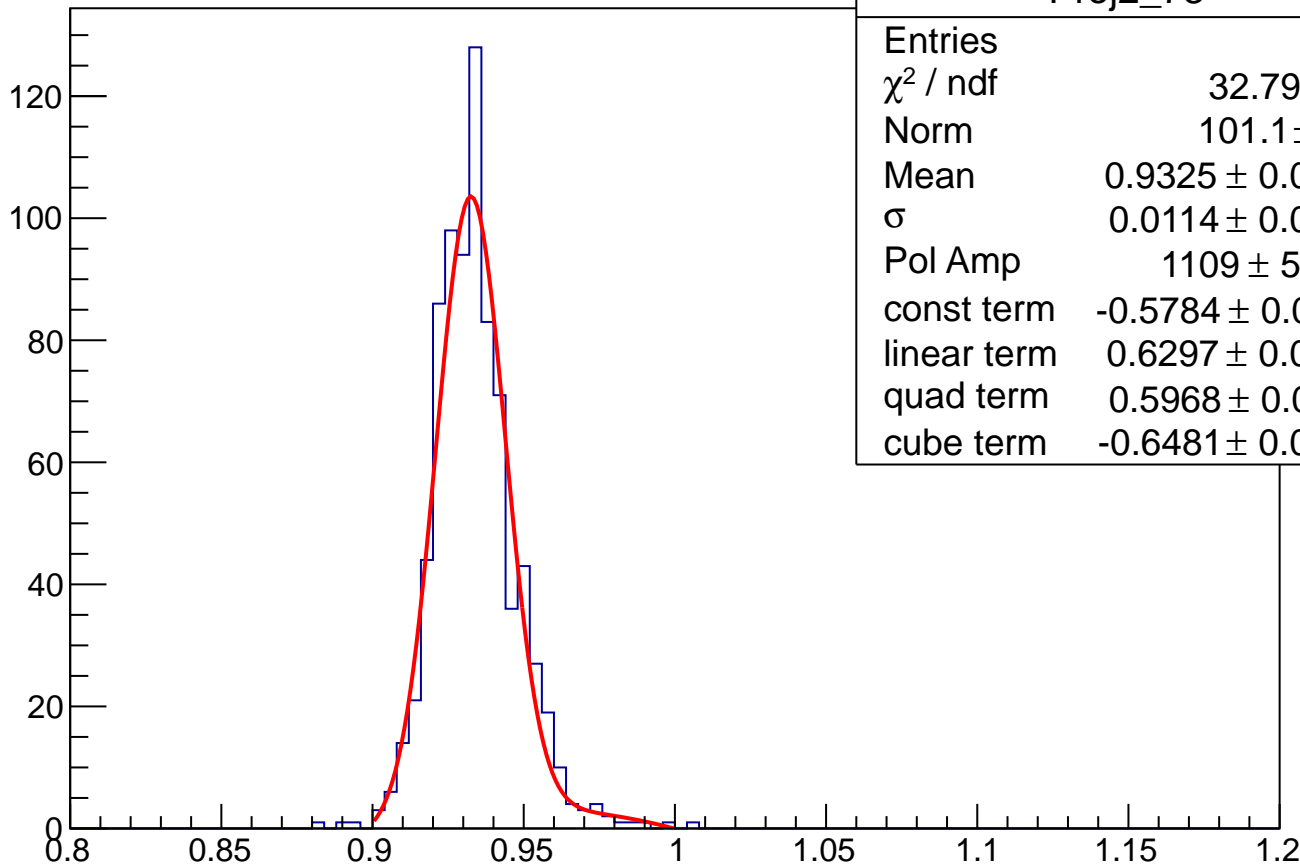
# PhiThetaMassPim



# PhiThetaMassPim



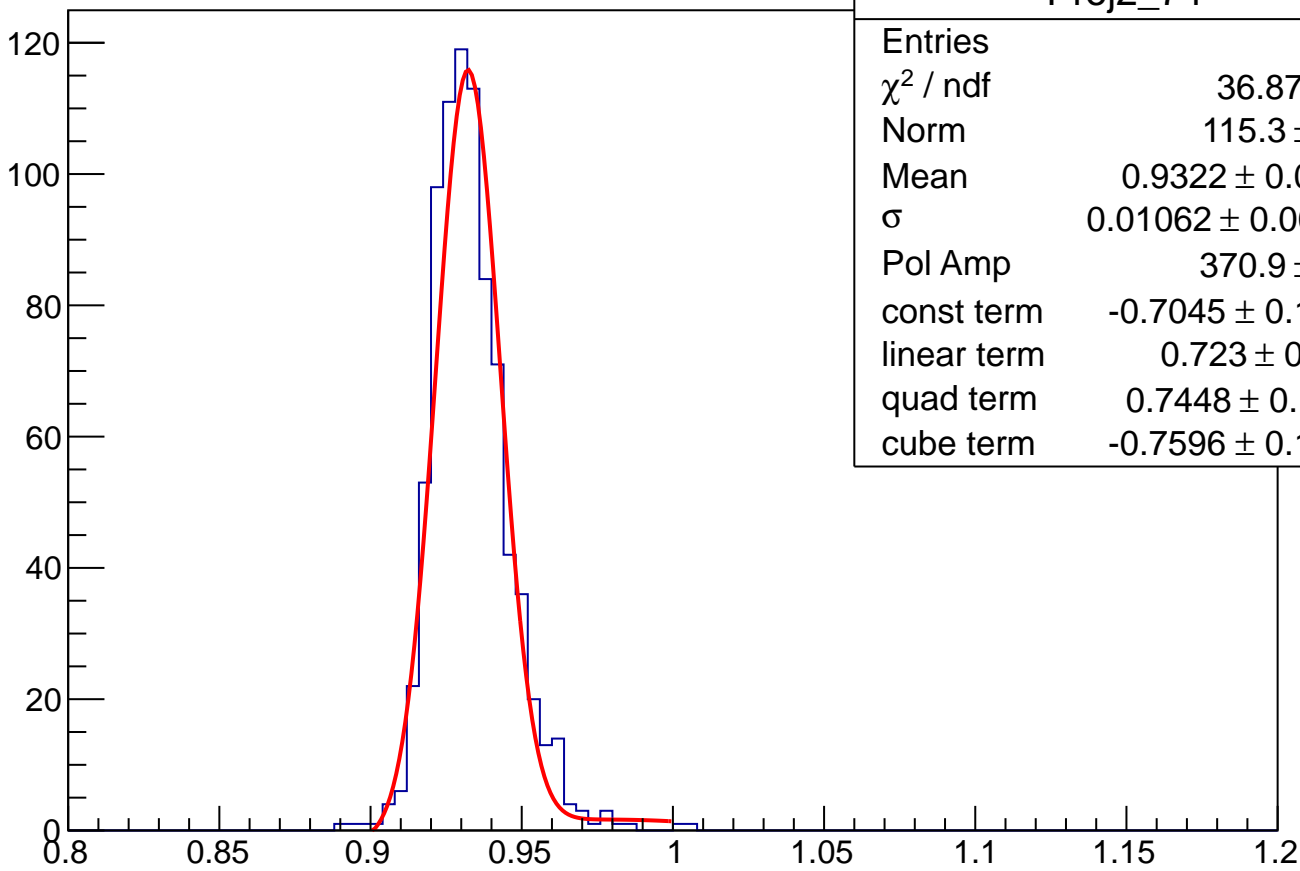
# PhiThetaMassPim



Proj2\_73

Entries	804
$\chi^2 / \text{ndf}$	32.79 / 16
Norm	$101.1 \pm 5.1$
Mean	$0.9325 \pm 0.0005$
$\sigma$	$0.0114 \pm 0.0005$
Pol Amp	$1109 \pm 510.2$
const term	$-0.5784 \pm 0.0042$
linear term	$0.6297 \pm 0.0045$
quad term	$0.5968 \pm 0.0046$
cube term	$-0.6481 \pm 0.0045$

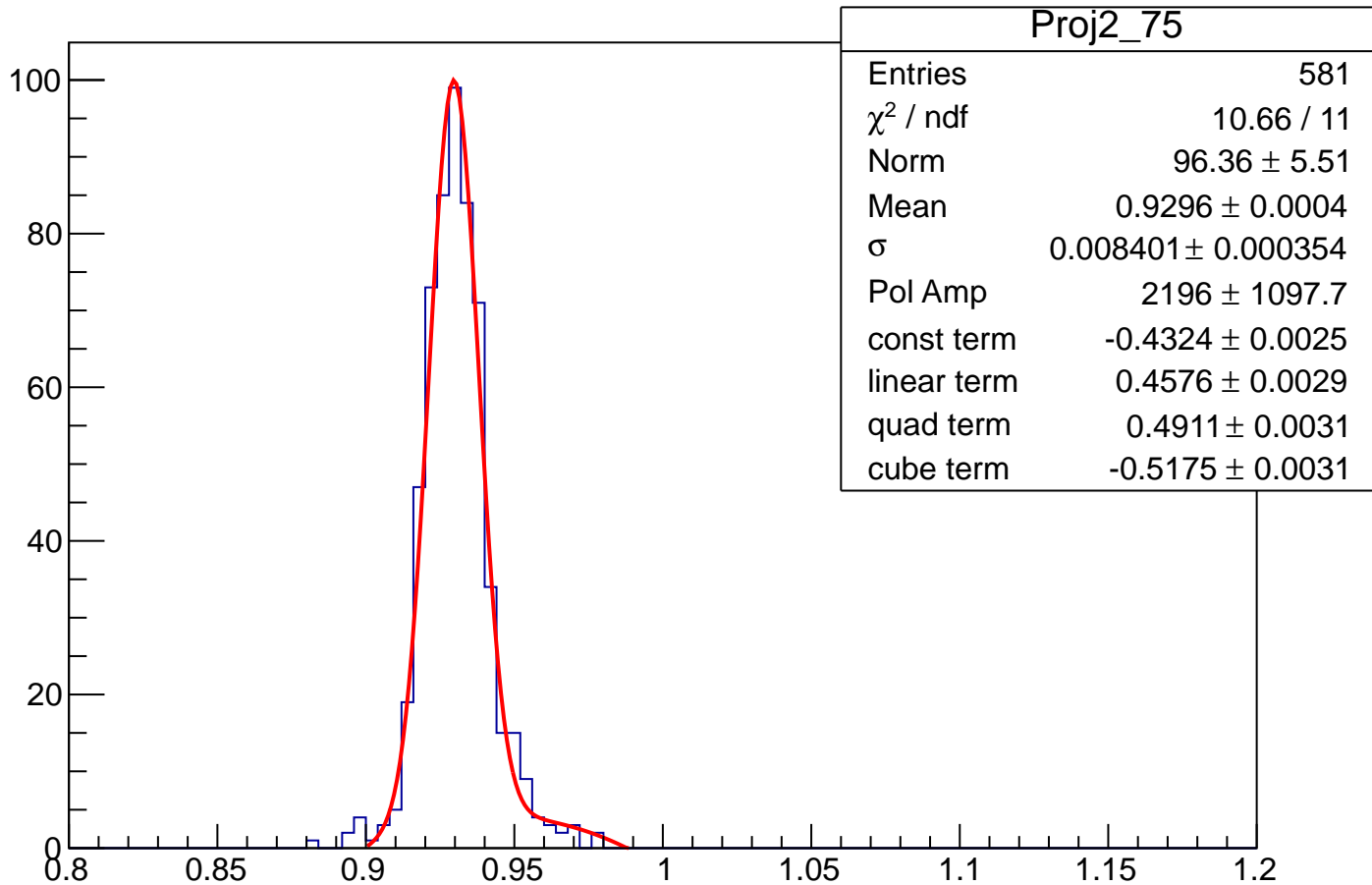
# PhiThetaMassPim



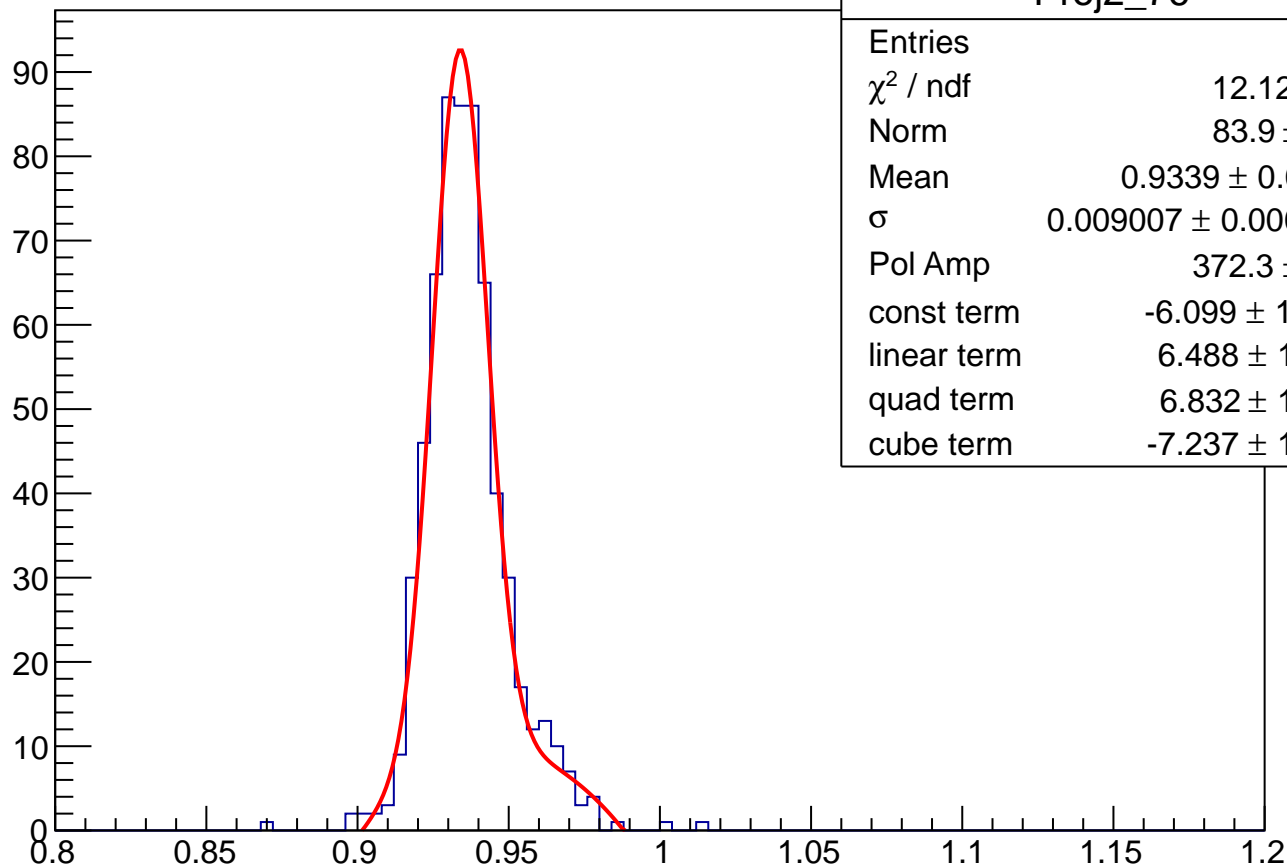
Proj2\_74

Entries	825
$\chi^2 / \text{ndf}$	36.87 / 14
Norm	$115.3 \pm 5.6$
Mean	$0.9322 \pm 0.0004$
$\sigma$	$0.01062 \pm 0.00041$
Pol Amp	$370.9 \pm 0.3$
const term	$-0.7045 \pm 0.1620$
linear term	$0.723 \pm 0.165$
quad term	$0.7448 \pm 0.1701$
cube term	$-0.7596 \pm 0.1749$

# PhiThetaMassPim



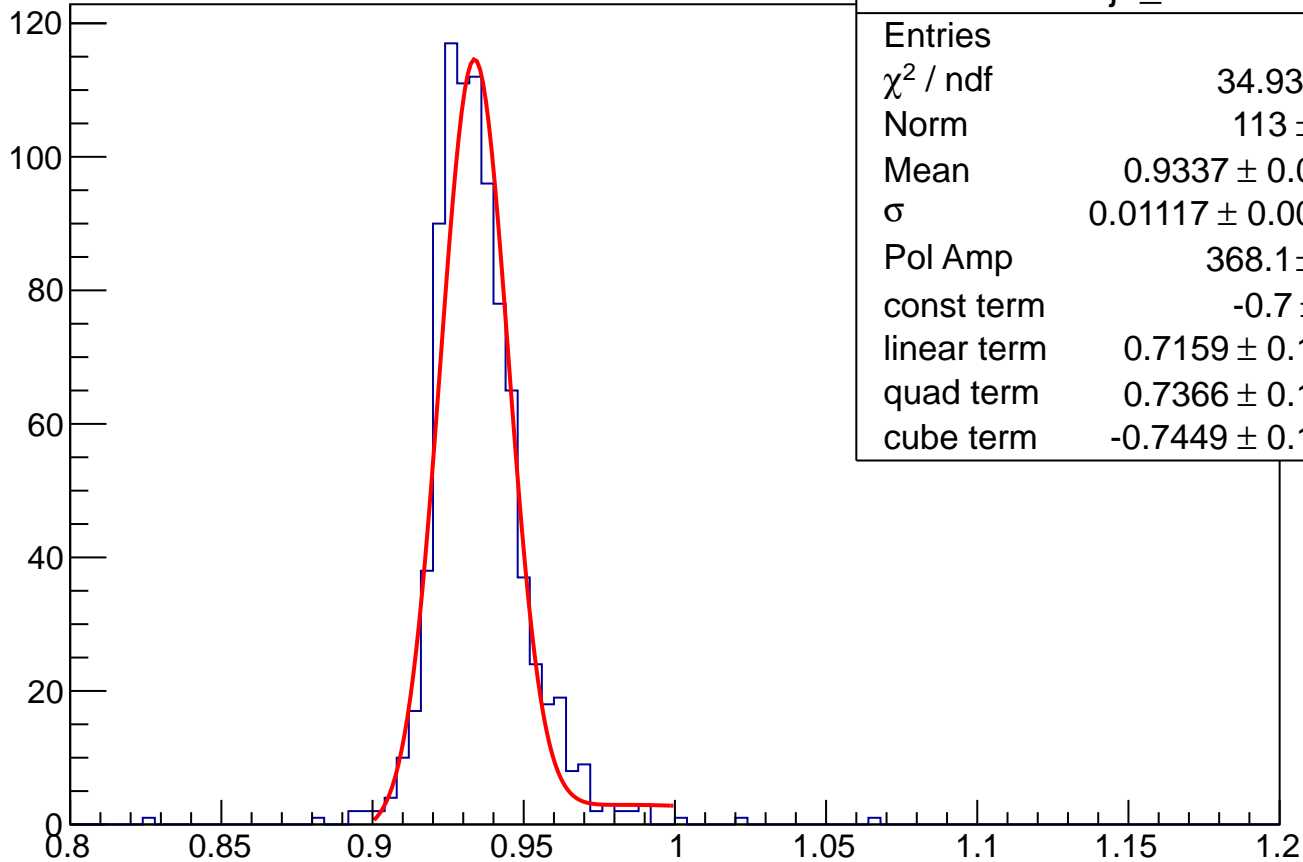
# PhiThetaMassPim



Proj2\_76

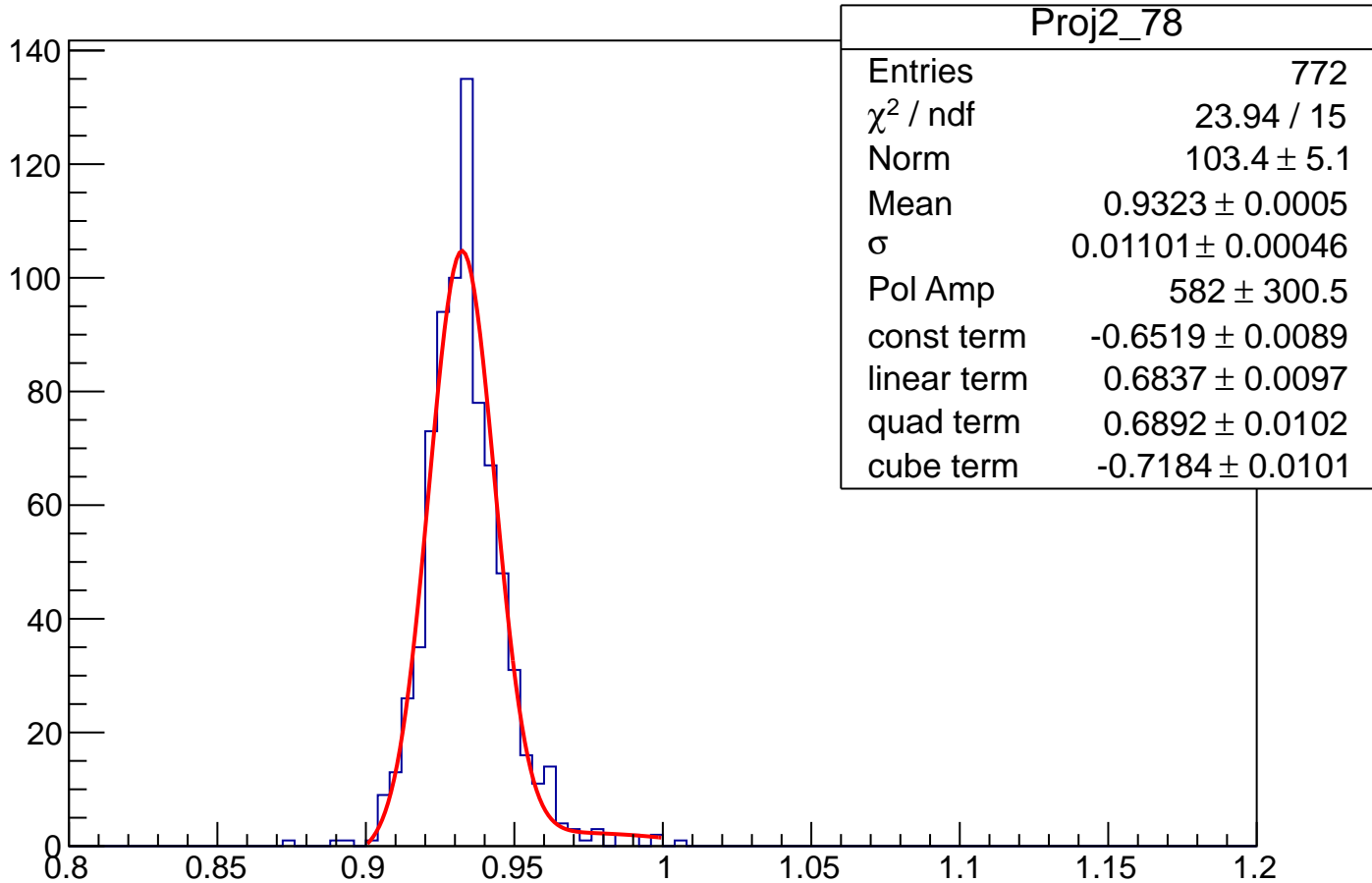
Entries	624
$\chi^2 / \text{ndf}$	12.12 / 13
Norm	$83.9 \pm 5.0$
Mean	$0.9339 \pm 0.0005$
$\sigma$	$0.009007 \pm 0.000510$
Pol Amp	$372.3 \pm 1.9$
const term	$-6.099 \pm 1.596$
linear term	$6.488 \pm 1.702$
quad term	$6.832 \pm 1.792$
cube term	$-7.237 \pm 1.904$

# PhiThetaMassPim

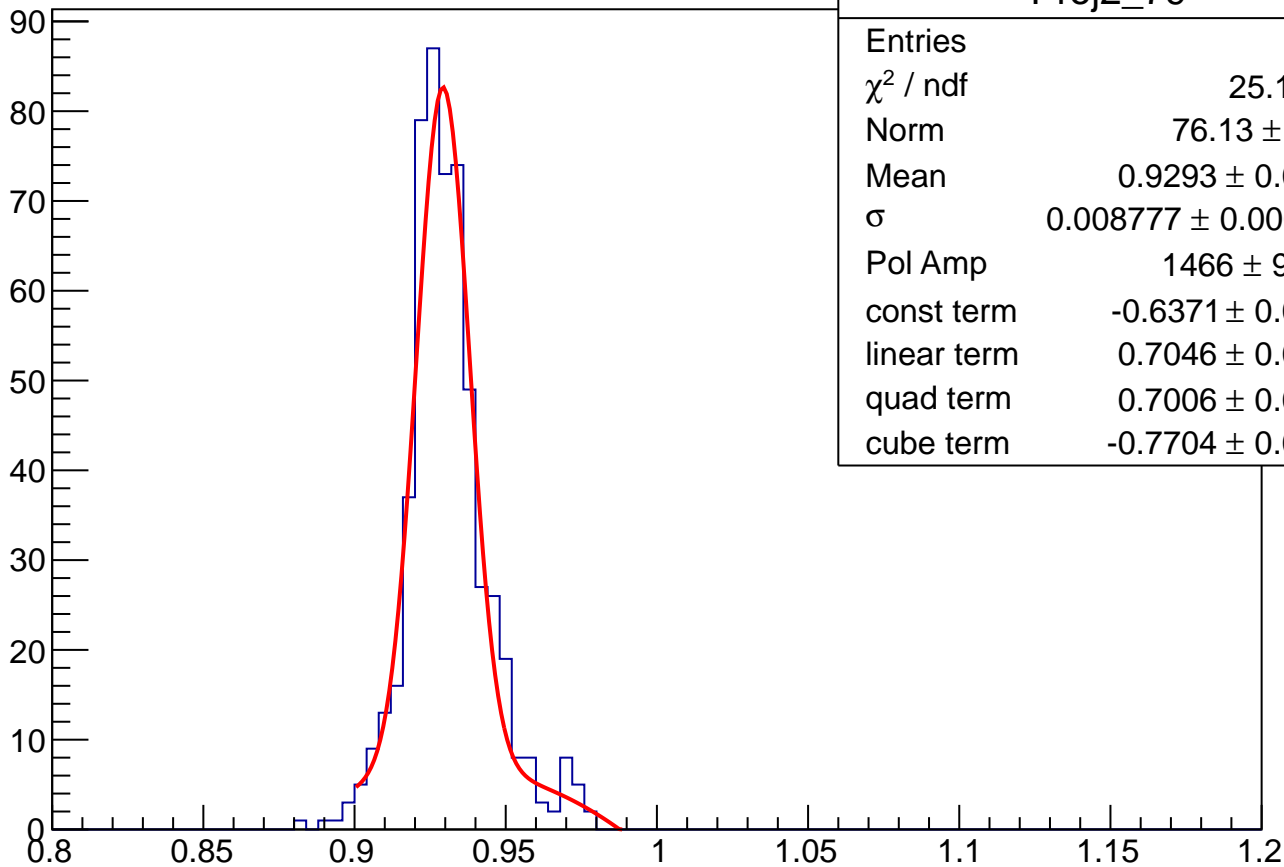




# PhiThetaMassPim



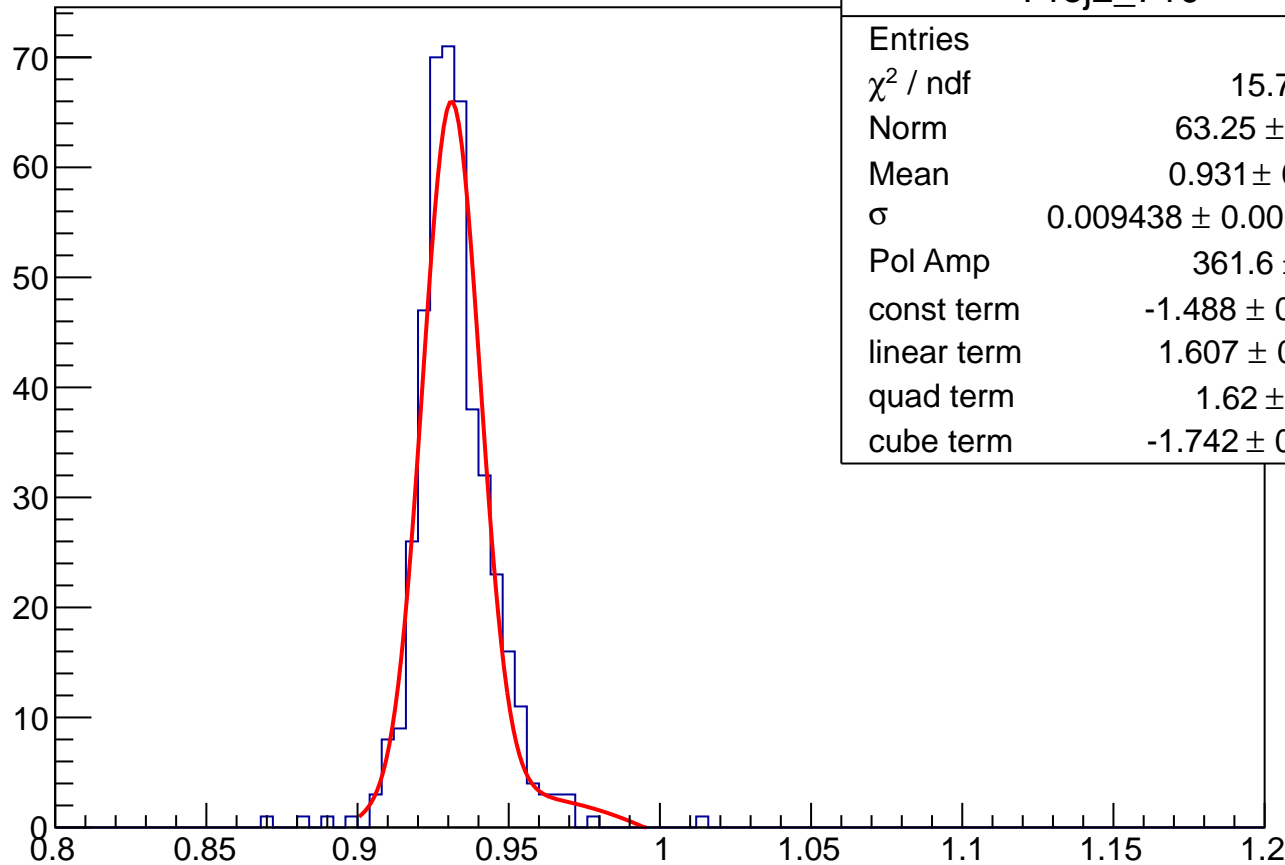
# PhiThetaMassPim



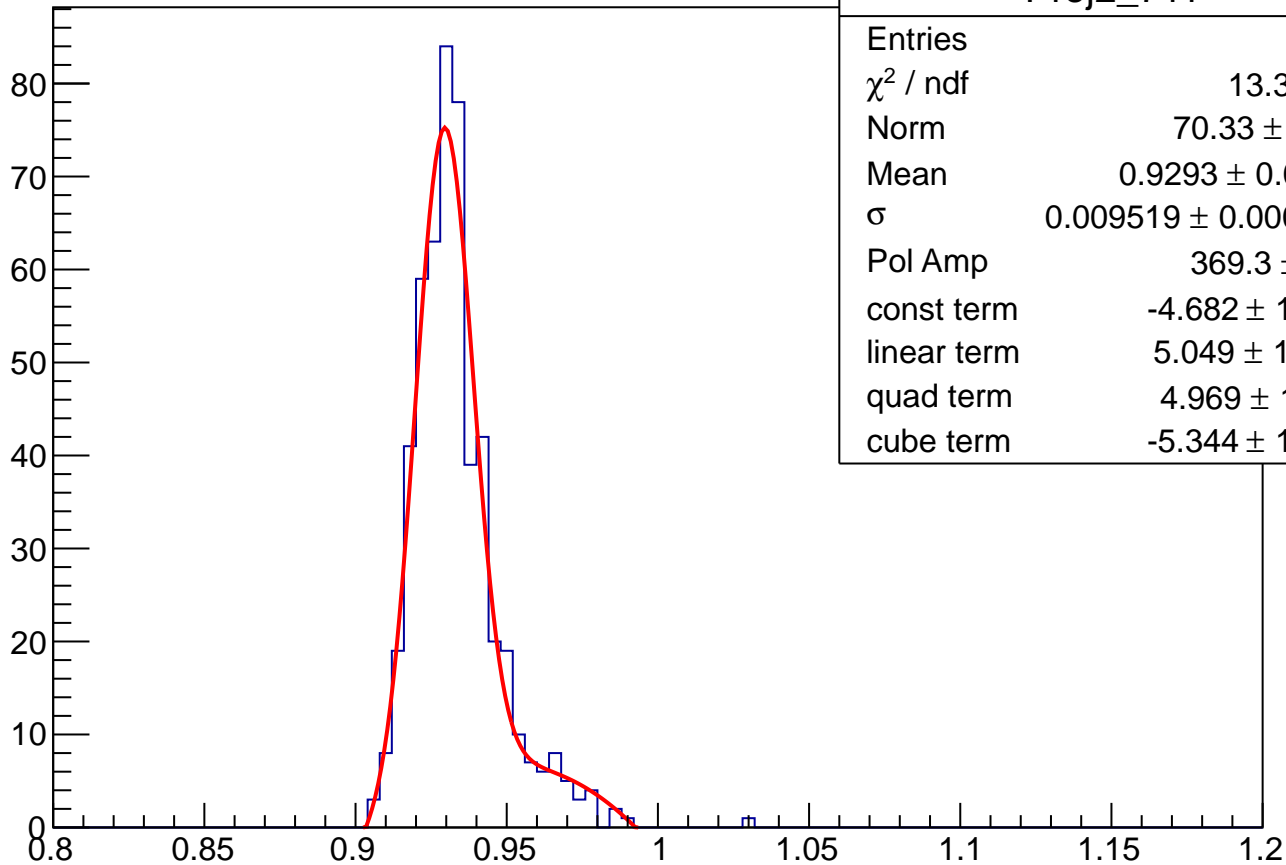
Proj2\_79

Entries	556
$\chi^2 / \text{ndf}$	25.1 / 12
Norm	$76.13 \pm 5.33$
Mean	$0.9293 \pm 0.0005$
$\sigma$	$0.008777 \pm 0.000642$
Pol Amp	$1466 \pm 924.5$
const term	$-0.6371 \pm 0.0048$
linear term	$0.7046 \pm 0.0053$
quad term	$0.7006 \pm 0.0054$
cube term	$-0.7704 \pm 0.0053$

# PhiThetaMassPim



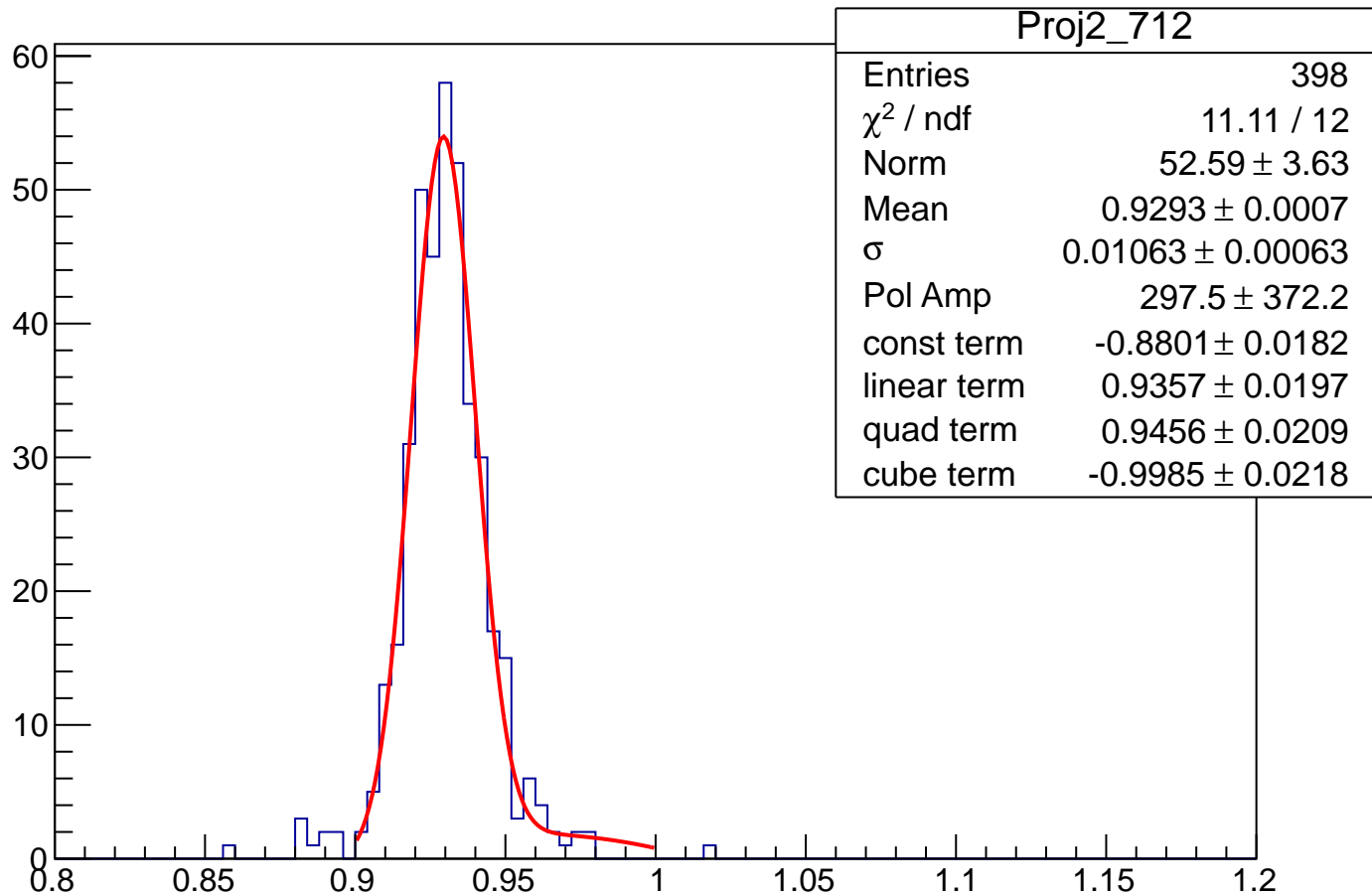
# PhiThetaMassPim



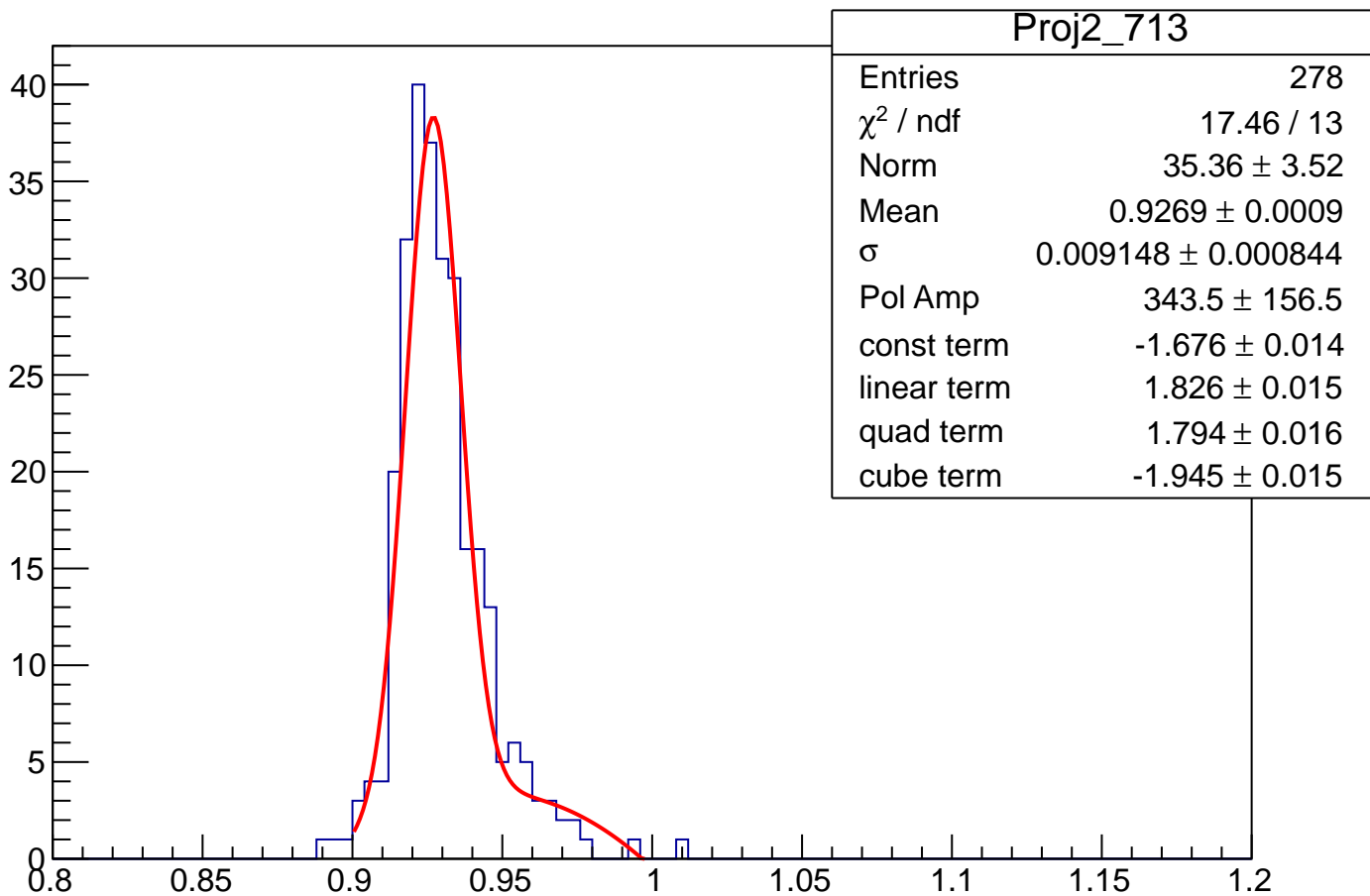
Proj2\_711

Entries	522
$\chi^2 / \text{ndf}$	13.3 / 13
Norm	$70.33 \pm 4.70$
Mean	$0.9293 \pm 0.0006$
$\sigma$	$0.009519 \pm 0.000728$
Pol Amp	$369.3 \pm 1.9$
const term	$-4.682 \pm 1.162$
linear term	$5.049 \pm 1.248$
quad term	$4.969 \pm 1.231$
cube term	$-5.344 \pm 1.322$

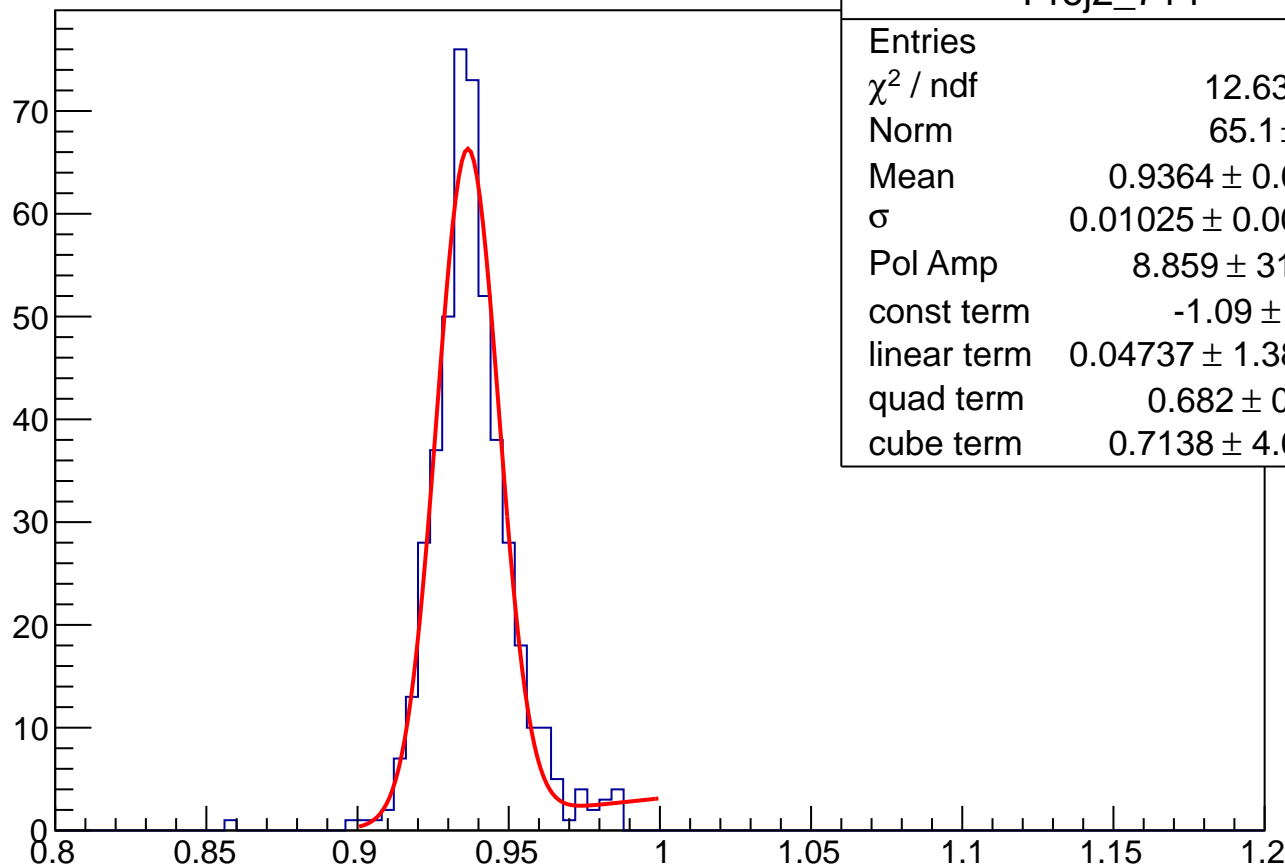
# PhiThetaMassPim



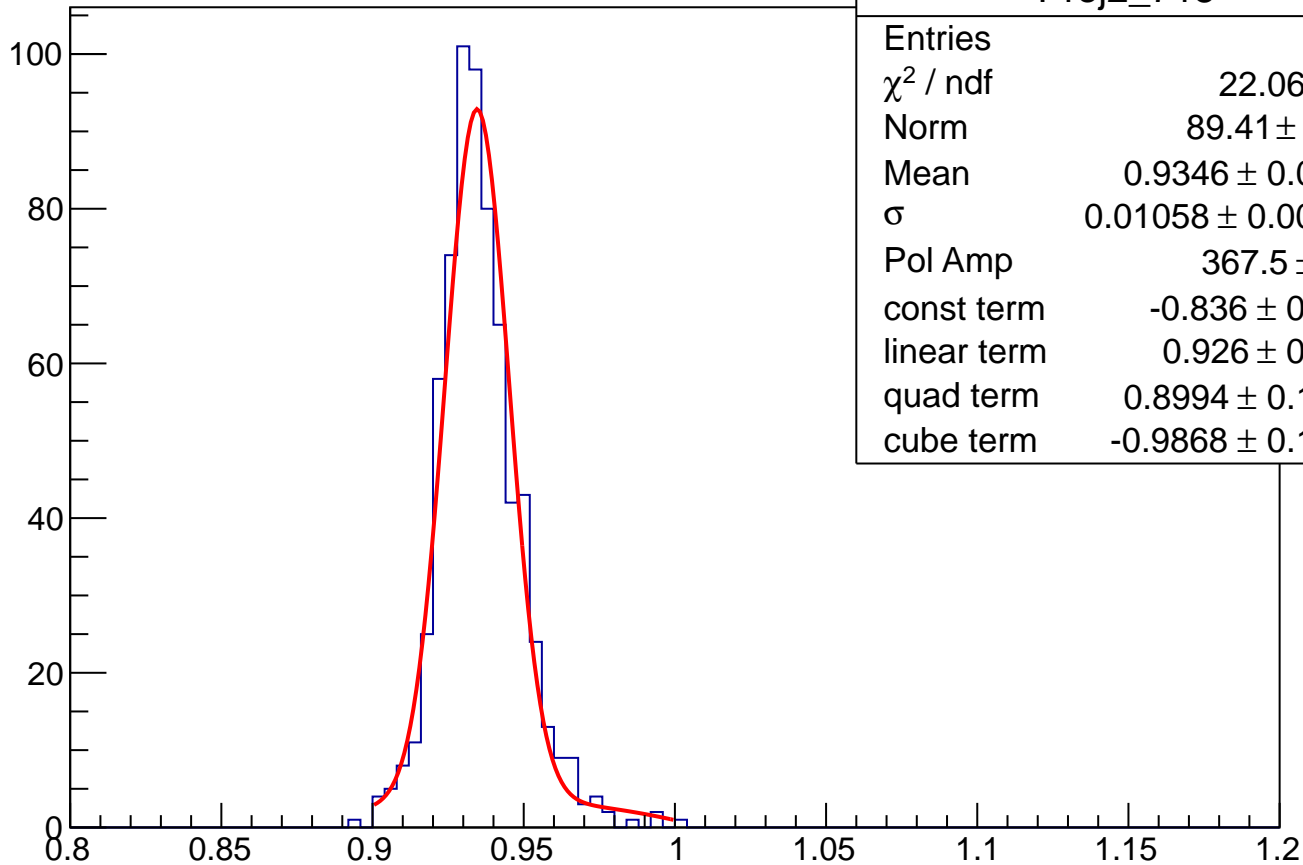
# PhiThetaMassPim



# PhiThetaMassPim

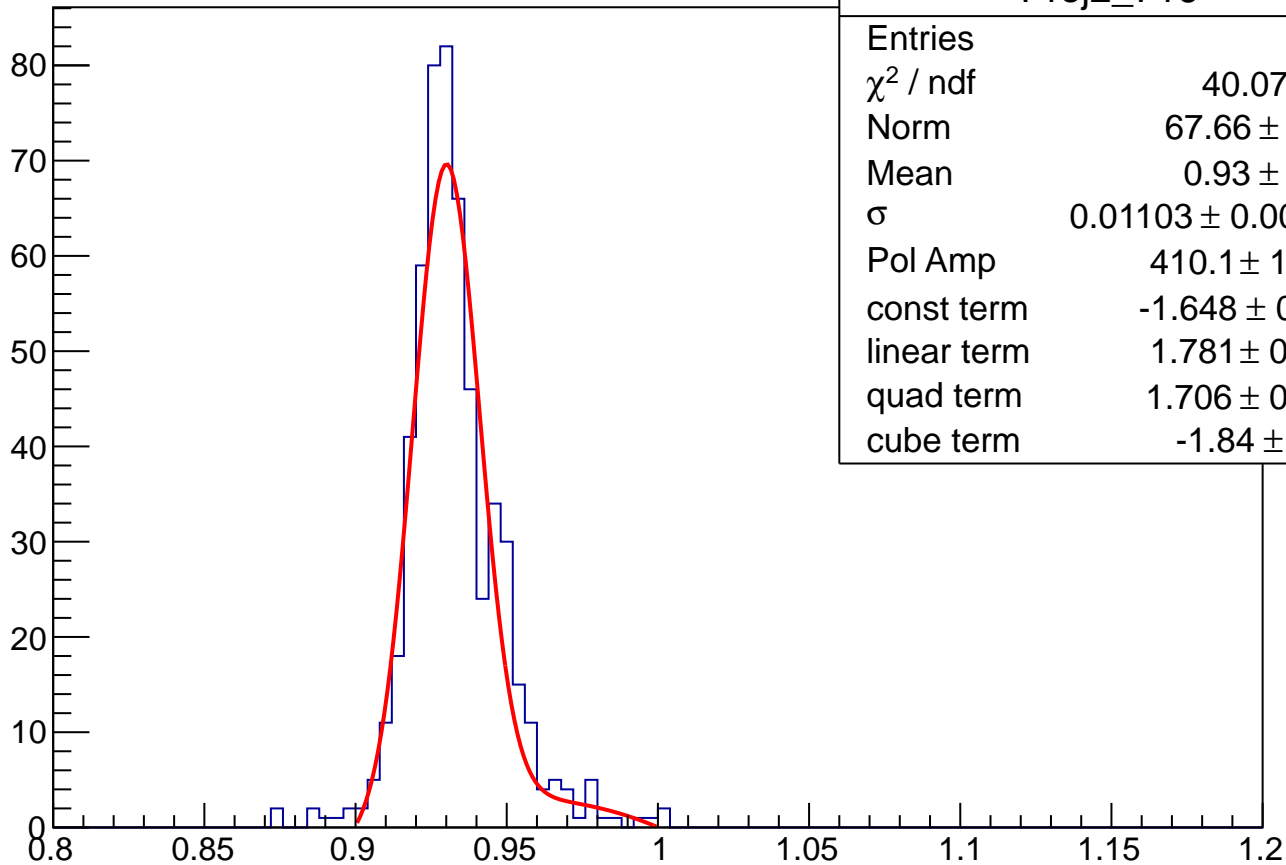


# PhiThetaMassPim

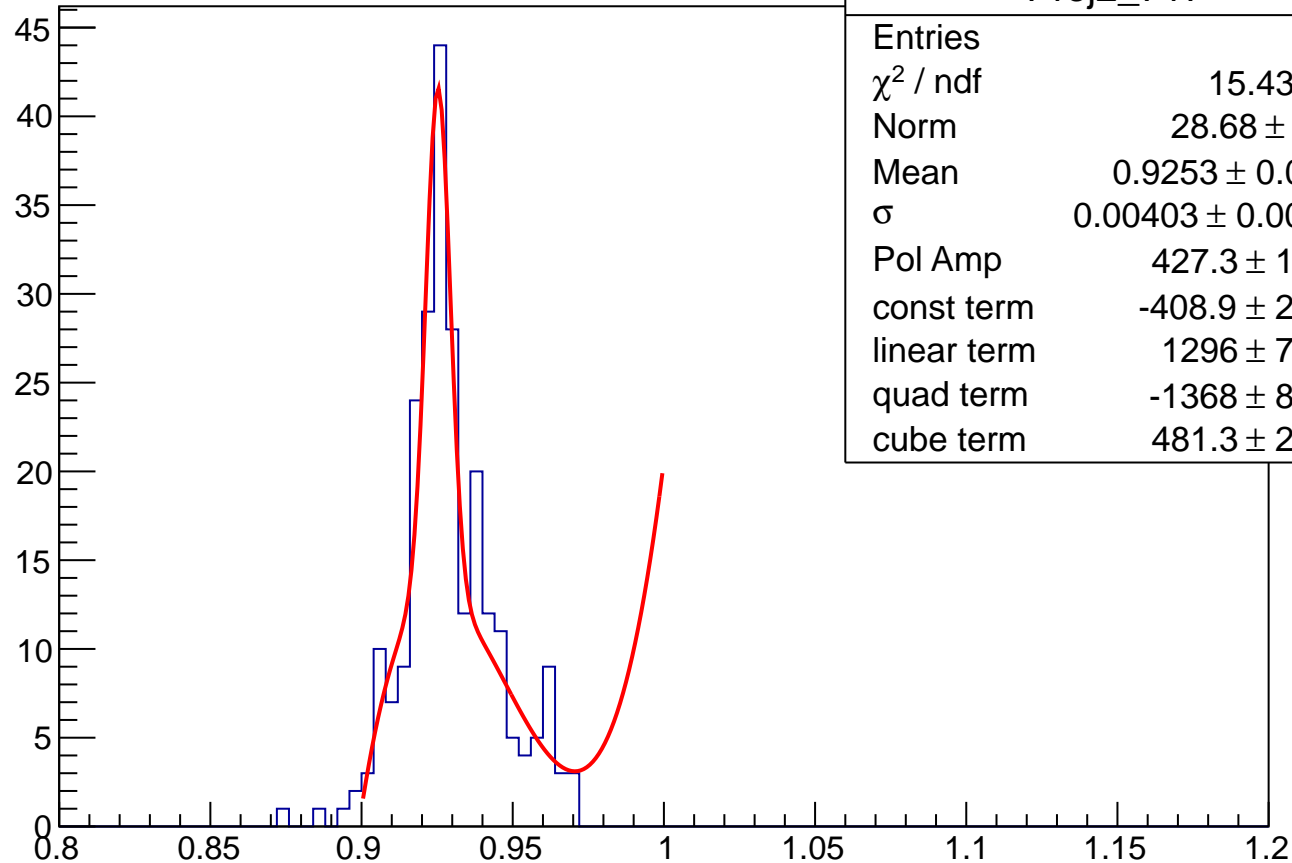




# PhiThetaMassPim



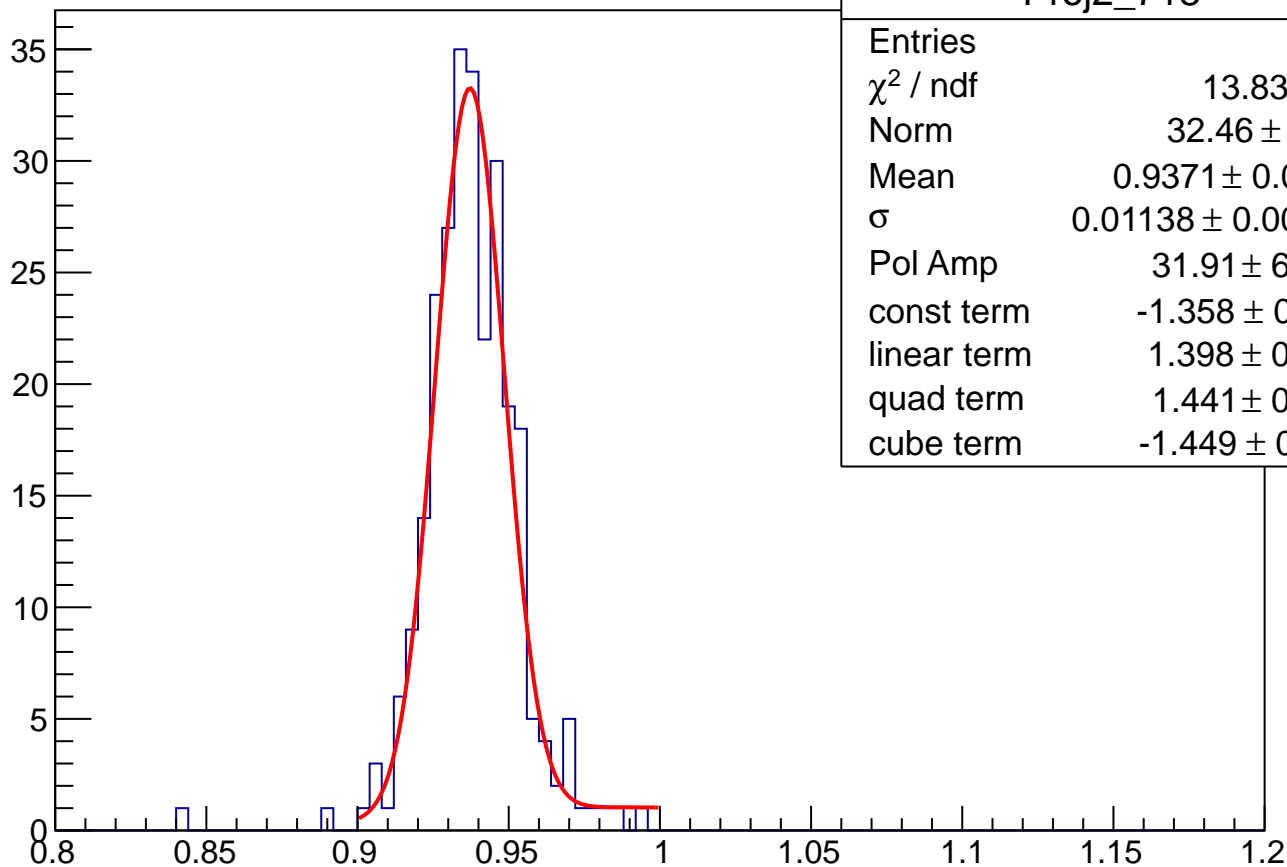
# PhiThetaMassPim



Proj2\_717

Entries	243
$\chi^2 / \text{ndf}$	15.43 / 10
Norm	$28.68 \pm 5.62$
Mean	$0.9253 \pm 0.0008$
$\sigma$	$0.00403 \pm 0.00093$
Pol Amp	$427.3 \pm 139.6$
const term	$-408.9 \pm 242.6$
linear term	$1296 \pm 774.3$
quad term	$-1368 \pm 823.4$
cube term	$481.3 \pm 291.7$

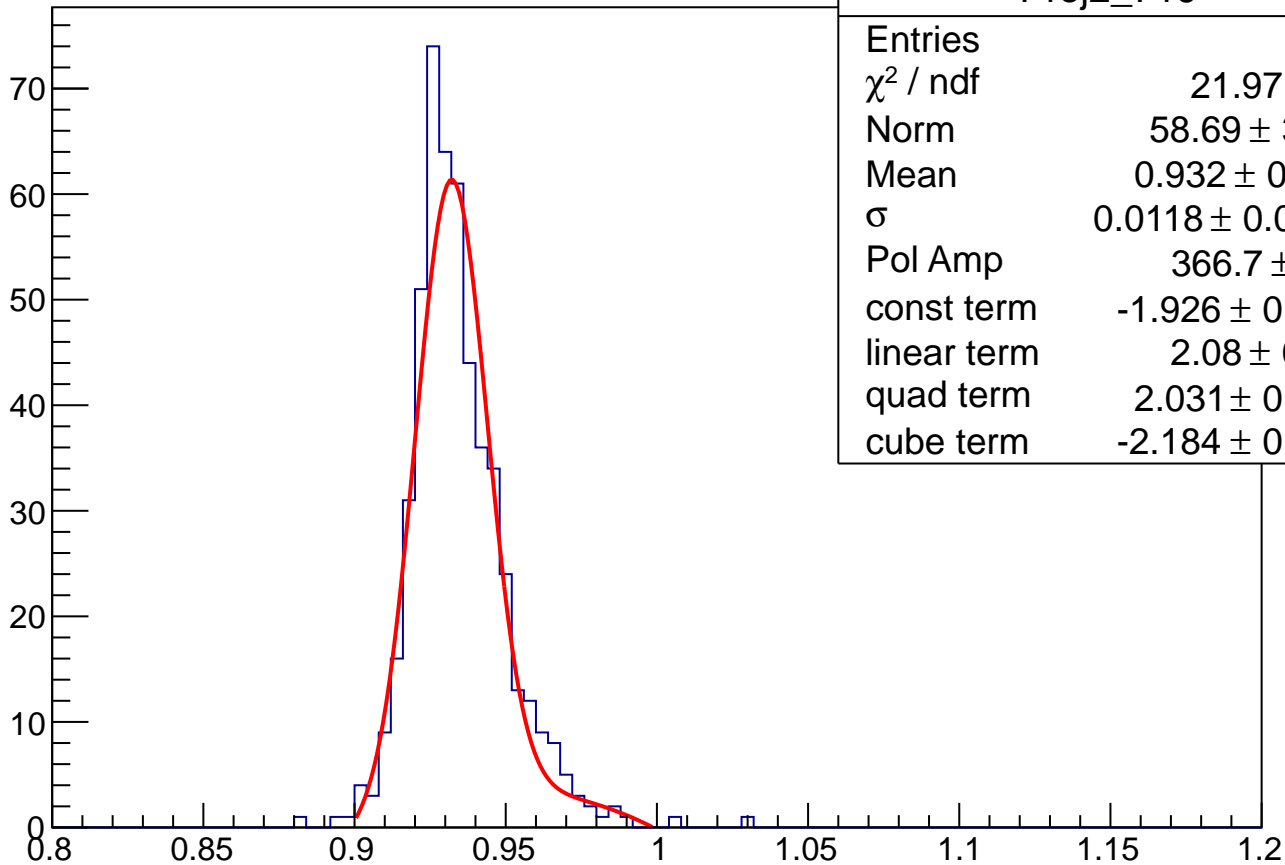
# PhiThetaMassPim



Proj2\_718

Entries	266
$\chi^2 / \text{ndf}$	13.83 / 15
Norm	$32.46 \pm 2.66$
Mean	$0.9371 \pm 0.0009$
$\sigma$	$0.01138 \pm 0.00072$
Pol Amp	$31.91 \pm 69.15$
const term	$-1.358 \pm 0.112$
linear term	$1.398 \pm 0.125$
quad term	$1.441 \pm 0.134$
cube term	$-1.449 \pm 0.141$

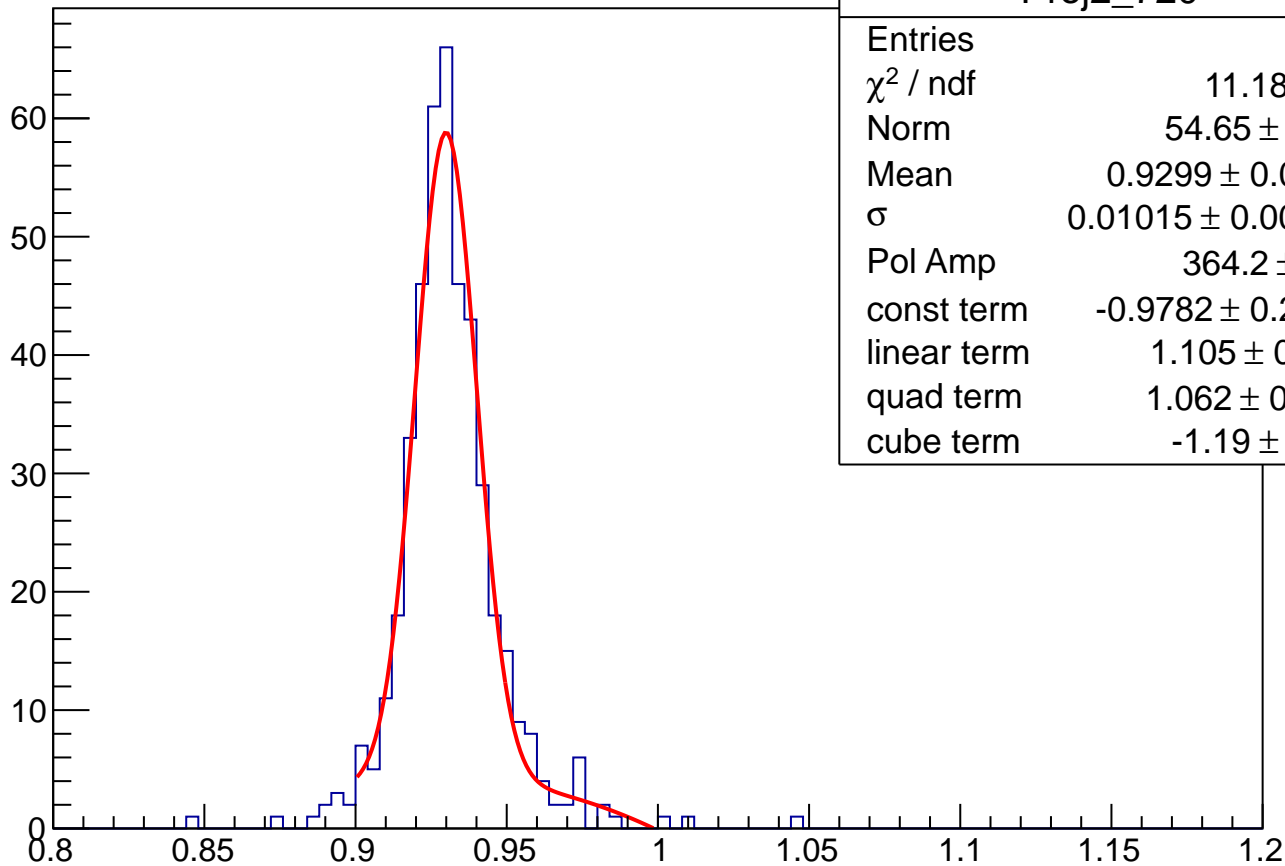
# PhiThetaMassPim



Proj2\_719

Entries	512
$\chi^2 / \text{ndf}$	21.97 / 15
Norm	$58.69 \pm 3.99$
Mean	$0.932 \pm 0.001$
$\sigma$	$0.0118 \pm 0.0008$
Pol Amp	$366.7 \pm 0.5$
const term	$-1.926 \pm 0.362$
linear term	$2.08 \pm 0.37$
quad term	$2.031 \pm 0.372$
cube term	$-2.184 \pm 0.385$

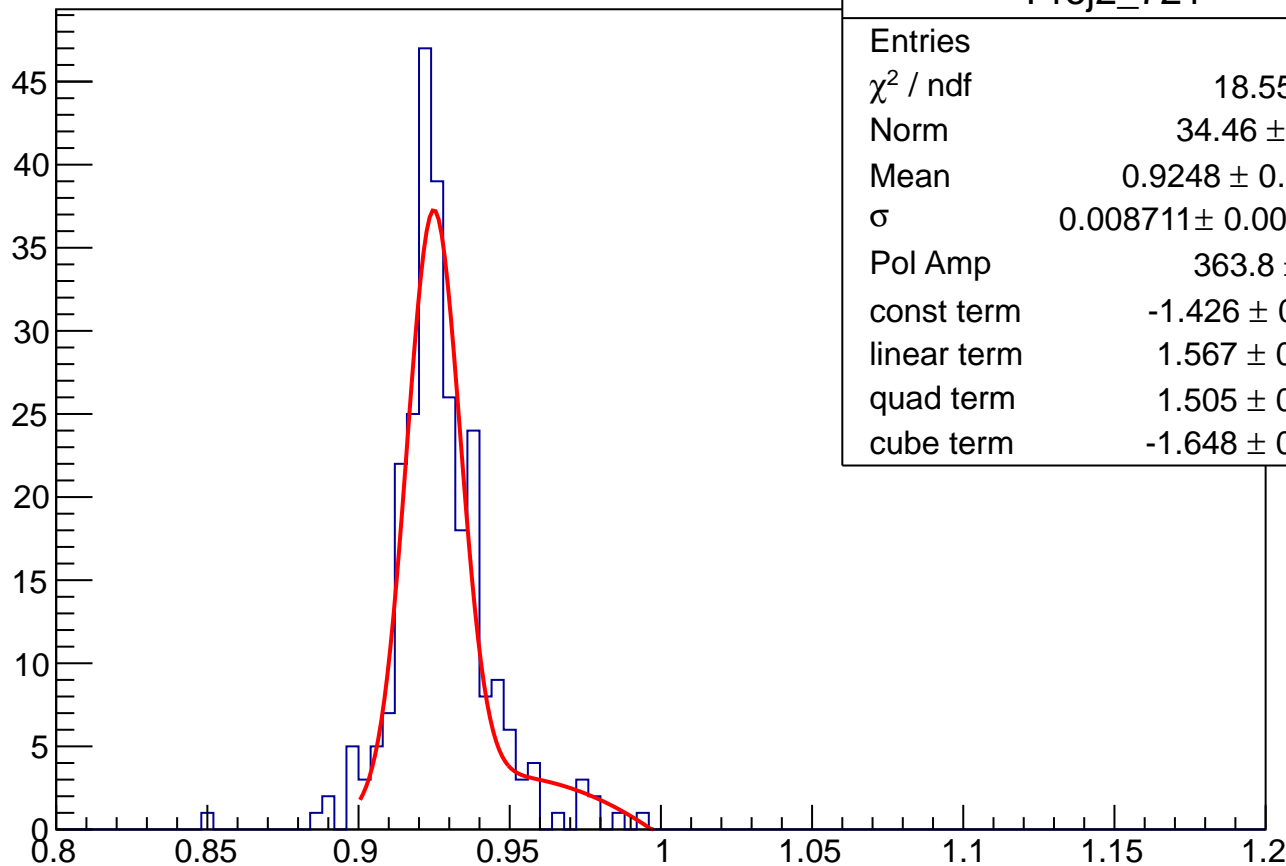
# PhiThetaMassPim



Proj2\_720

Entries	445
$\chi^2 / \text{ndf}$	11.18 / 13
Norm	$54.65 \pm 4.10$
Mean	$0.9299 \pm 0.0006$
$\sigma$	$0.01015 \pm 0.00079$
Pol Amp	$364.2 \pm 0.9$
const term	$-0.9782 \pm 0.2792$
linear term	$1.105 \pm 0.281$
quad term	$1.062 \pm 0.285$
cube term	$-1.19 \pm 0.29$

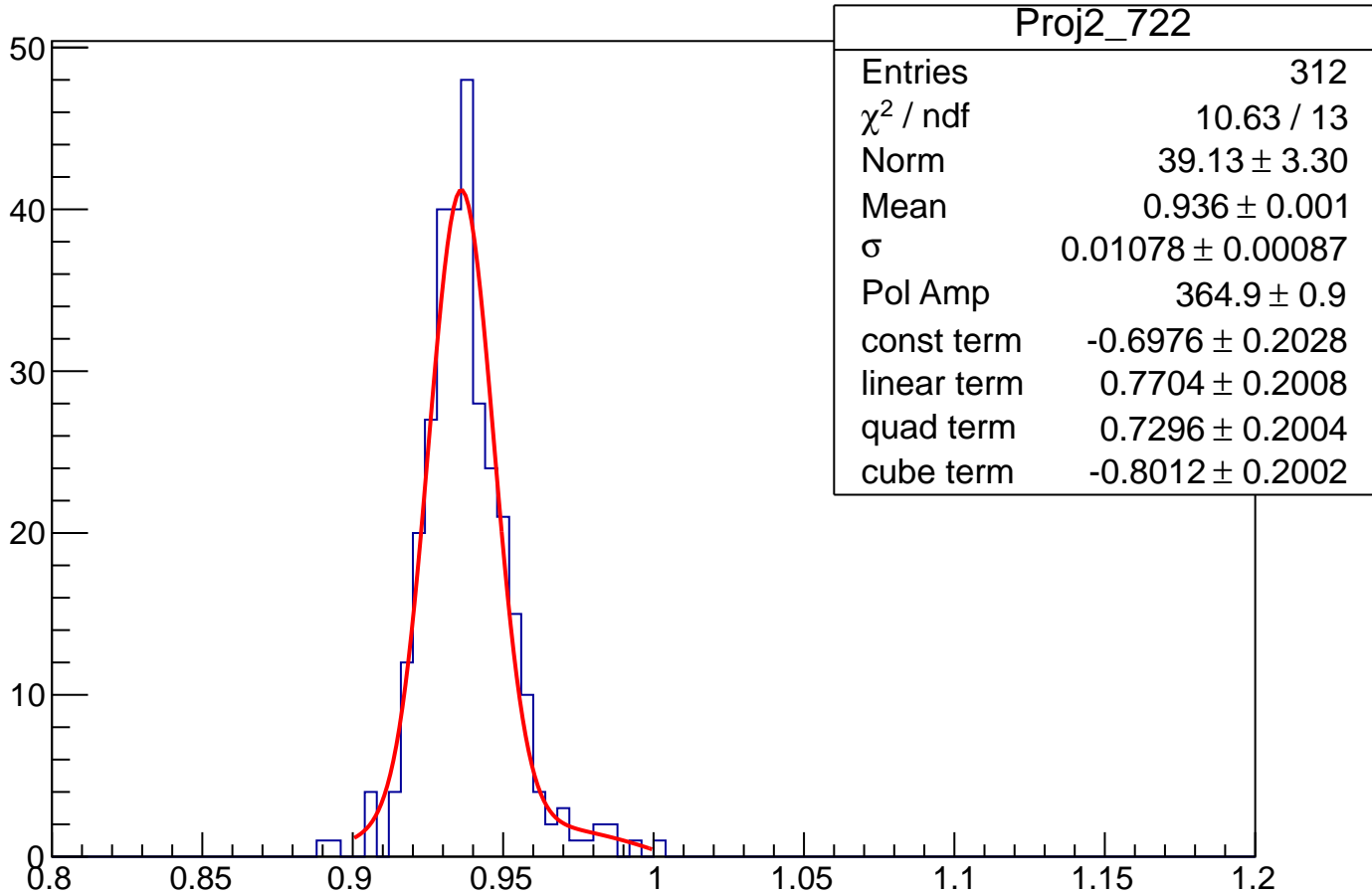
# PhiThetaMassPim



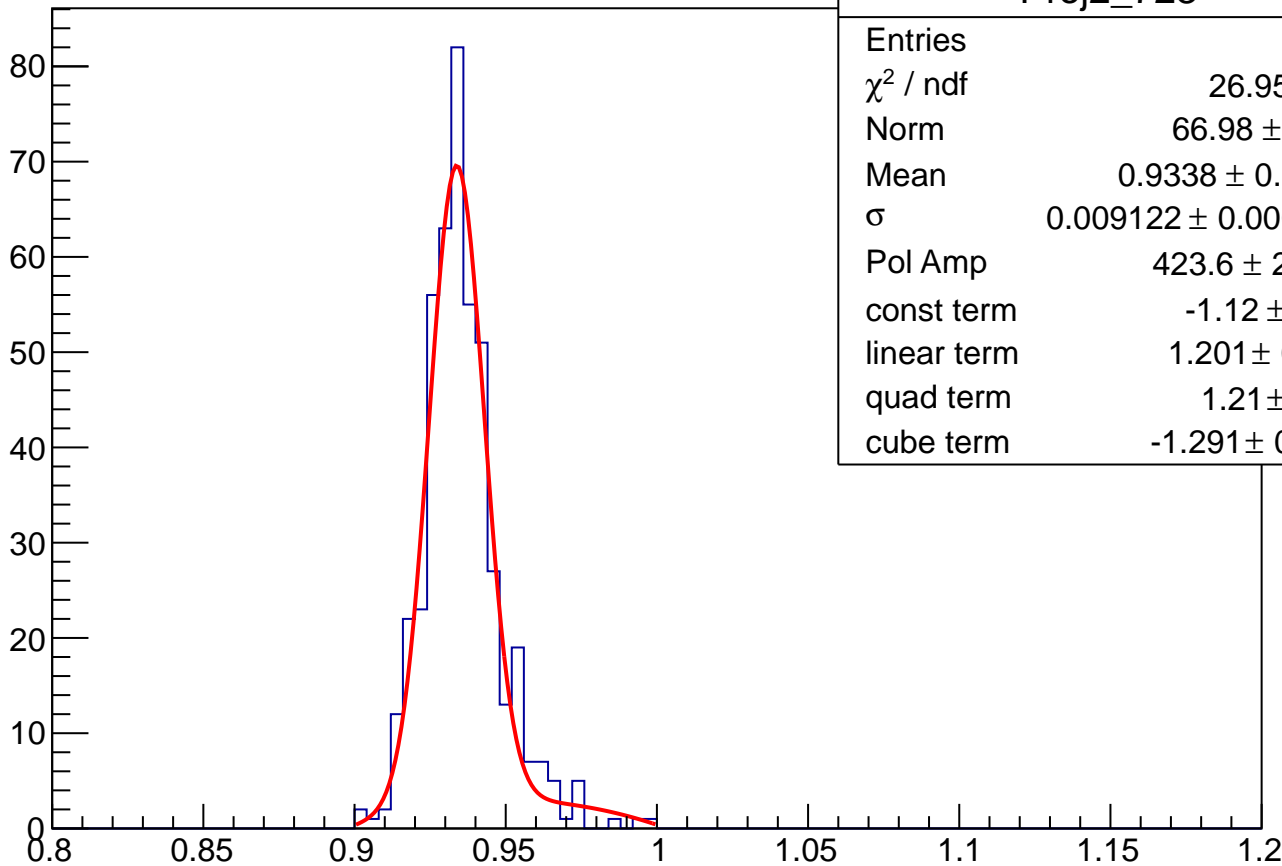
Proj2\_721

Entries	263
$\chi^2 / \text{ndf}$	18.55 / 12
Norm	$34.46 \pm 3.45$
Mean	$0.9248 \pm 0.0007$
$\sigma$	$0.008711 \pm 0.000982$
Pol Amp	$363.8 \pm 1.2$
const term	$-1.426 \pm 0.542$
linear term	$1.567 \pm 0.568$
quad term	$1.505 \pm 0.559$
cube term	$-1.648 \pm 0.586$

# PhiThetaMassPim



# PhiThetaMassPim

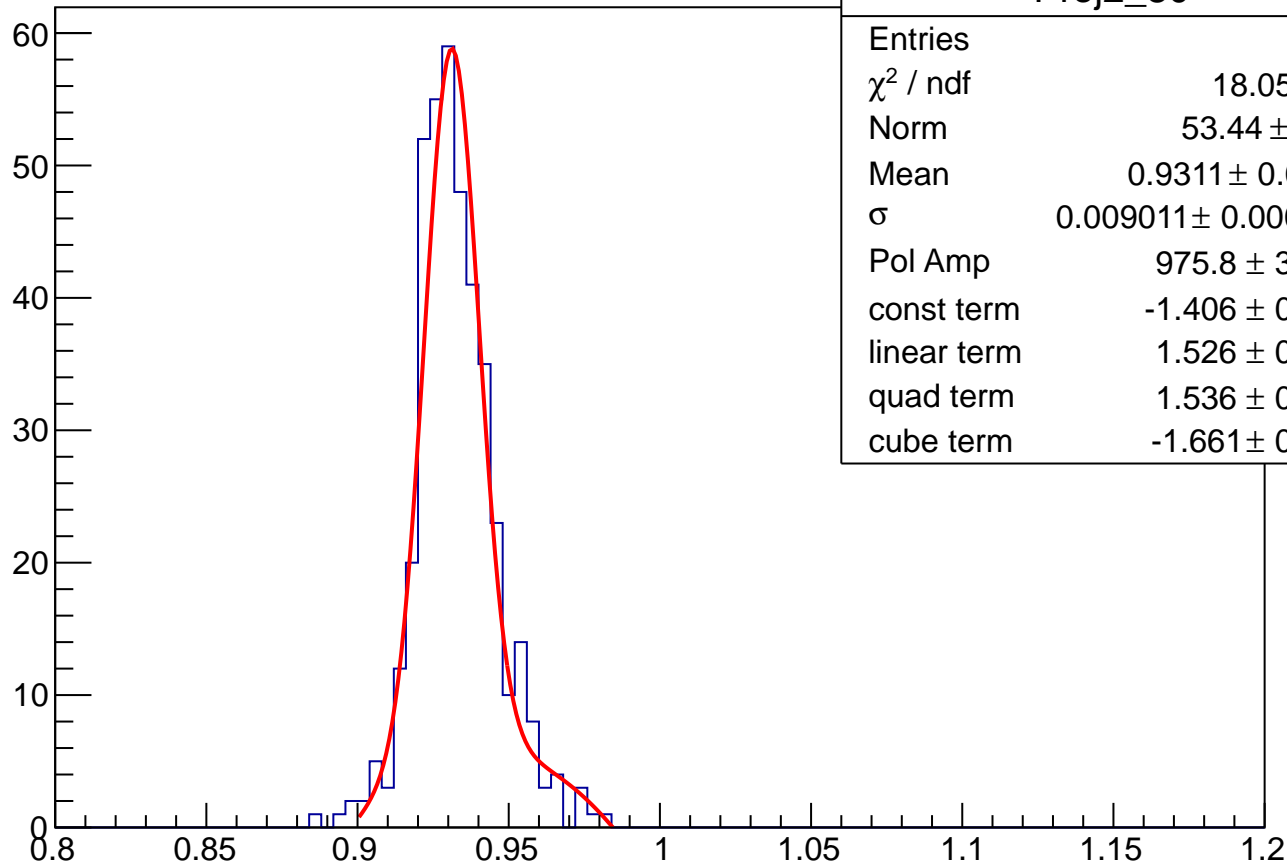


Proj2\_723

Entries	456
$\chi^2 / \text{ndf}$	26.95 / 14
Norm	$66.98 \pm 4.62$
Mean	$0.9338 \pm 0.0005$
$\sigma$	$0.009122 \pm 0.000520$
Pol Amp	$423.6 \pm 213.3$
const term	$-1.12 \pm 0.01$
linear term	$1.201 \pm 0.011$
quad term	$1.21 \pm 0.01$
cube term	$-1.291 \pm 0.010$



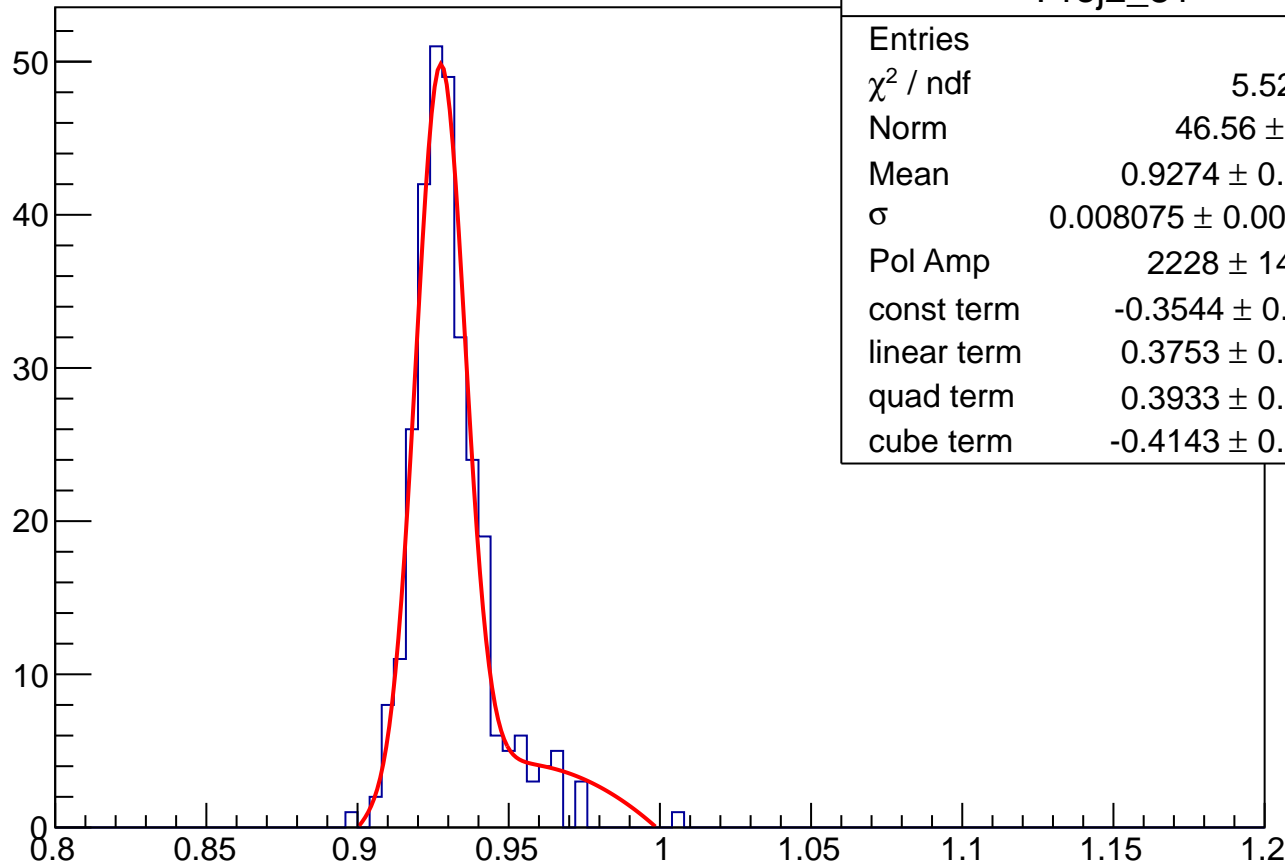
# PhiThetaMassPim



Proj2\_80

Entries	403
$\chi^2 / \text{ndf}$	18.05 / 12
Norm	$53.44 \pm 4.21$
Mean	$0.9311 \pm 0.0007$
$\sigma$	$0.009011 \pm 0.000645$
Pol Amp	$975.8 \pm 385.9$
const term	$-1.406 \pm 0.005$
linear term	$1.526 \pm 0.006$
quad term	$1.536 \pm 0.006$
cube term	$-1.661 \pm 0.006$

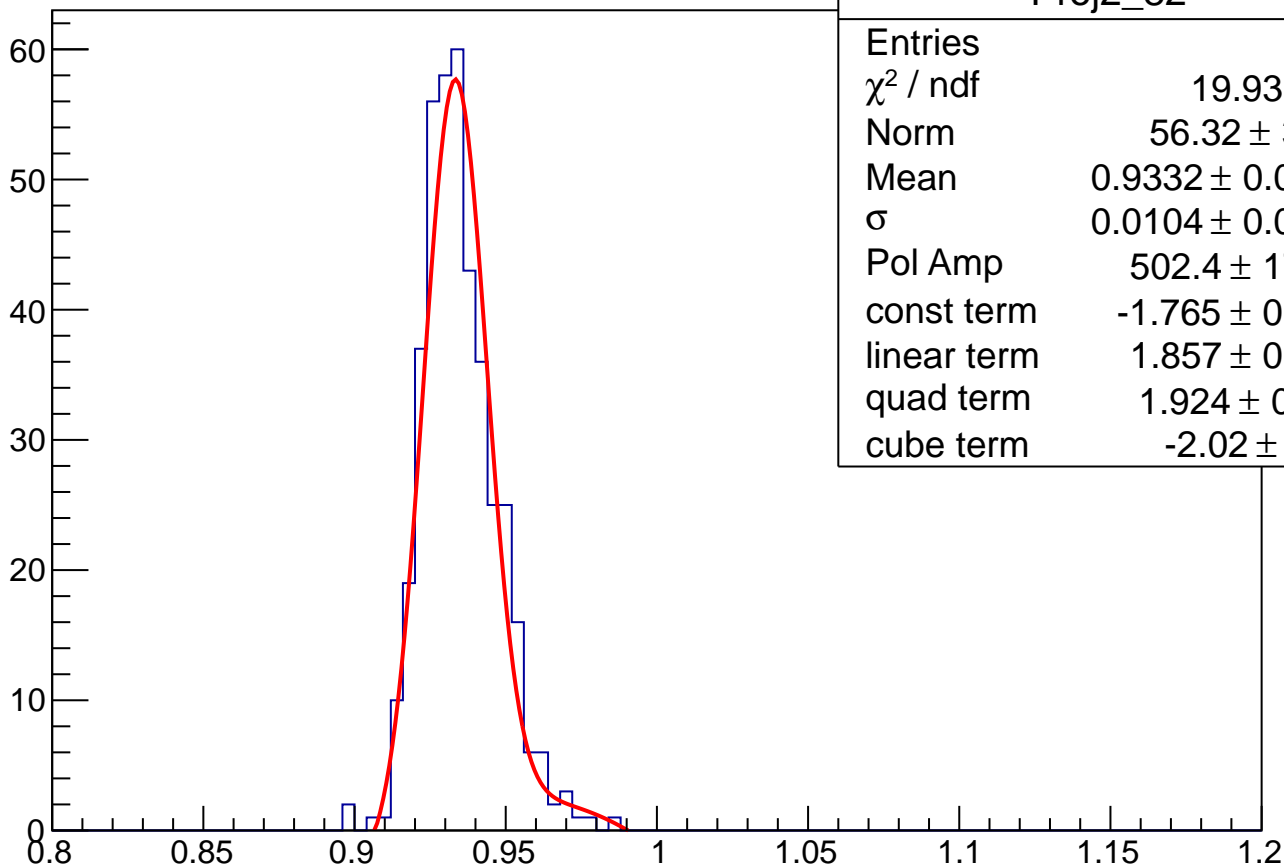
# PhiThetaMassPim



Proj2\_81

Entries	298
$\chi^2 / \text{ndf}$	5.526 / 9
Norm	$46.56 \pm 4.09$
Mean	$0.9274 \pm 0.0007$
$\sigma$	$0.008075 \pm 0.000642$
Pol Amp	$2228 \pm 1431.4$
const term	$-0.3544 \pm 0.0031$
linear term	$0.3753 \pm 0.0034$
quad term	$0.3933 \pm 0.0037$
cube term	$-0.4143 \pm 0.0038$

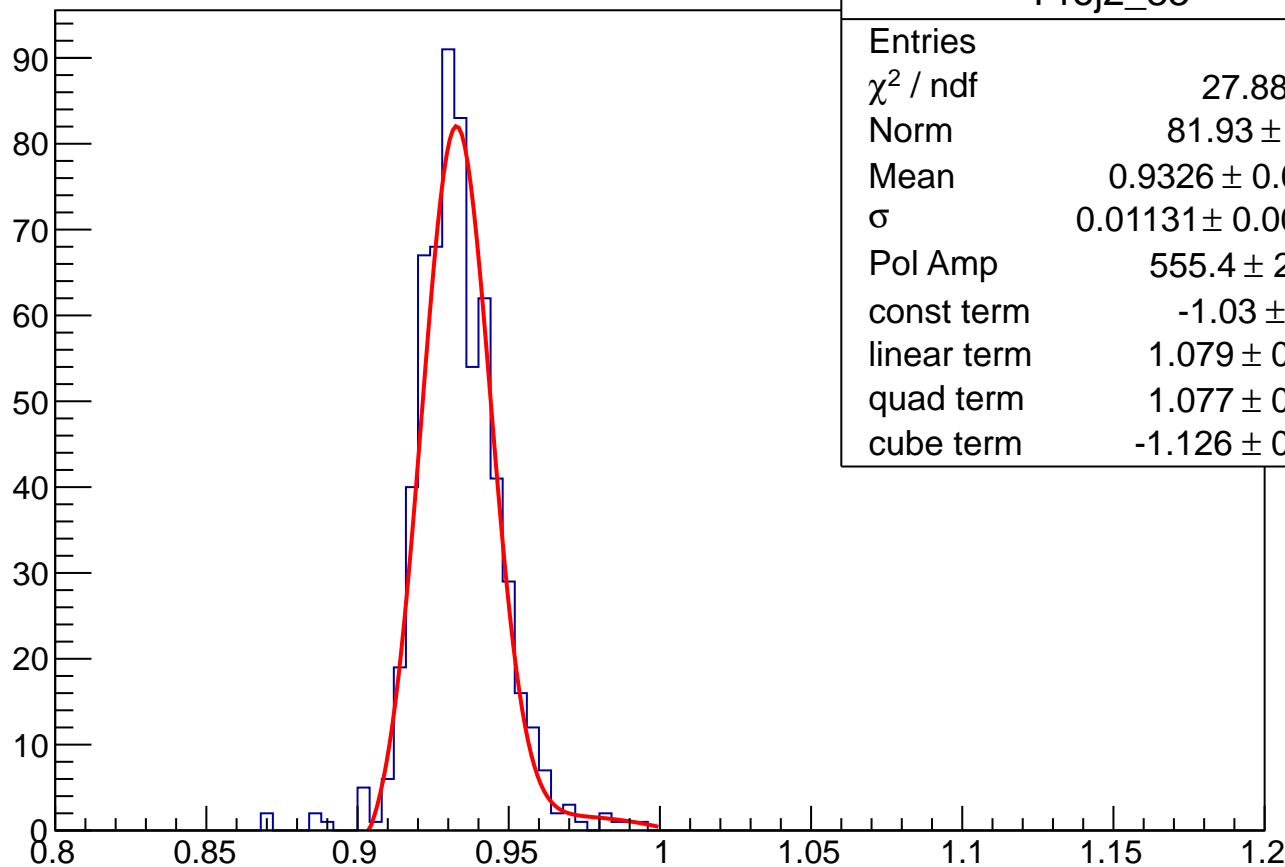
# PhiThetaMassPim



Proj2\_82

Entries	409
$\chi^2 / \text{ndf}$	19.93 / 12
Norm	$56.32 \pm 3.86$
Mean	$0.9332 \pm 0.0007$
$\sigma$	$0.0104 \pm 0.0006$
Pol Amp	$502.4 \pm 174.9$
const term	$-1.765 \pm 0.009$
linear term	$1.857 \pm 0.010$
quad term	$1.924 \pm 0.011$
cube term	$-2.02 \pm 0.01$

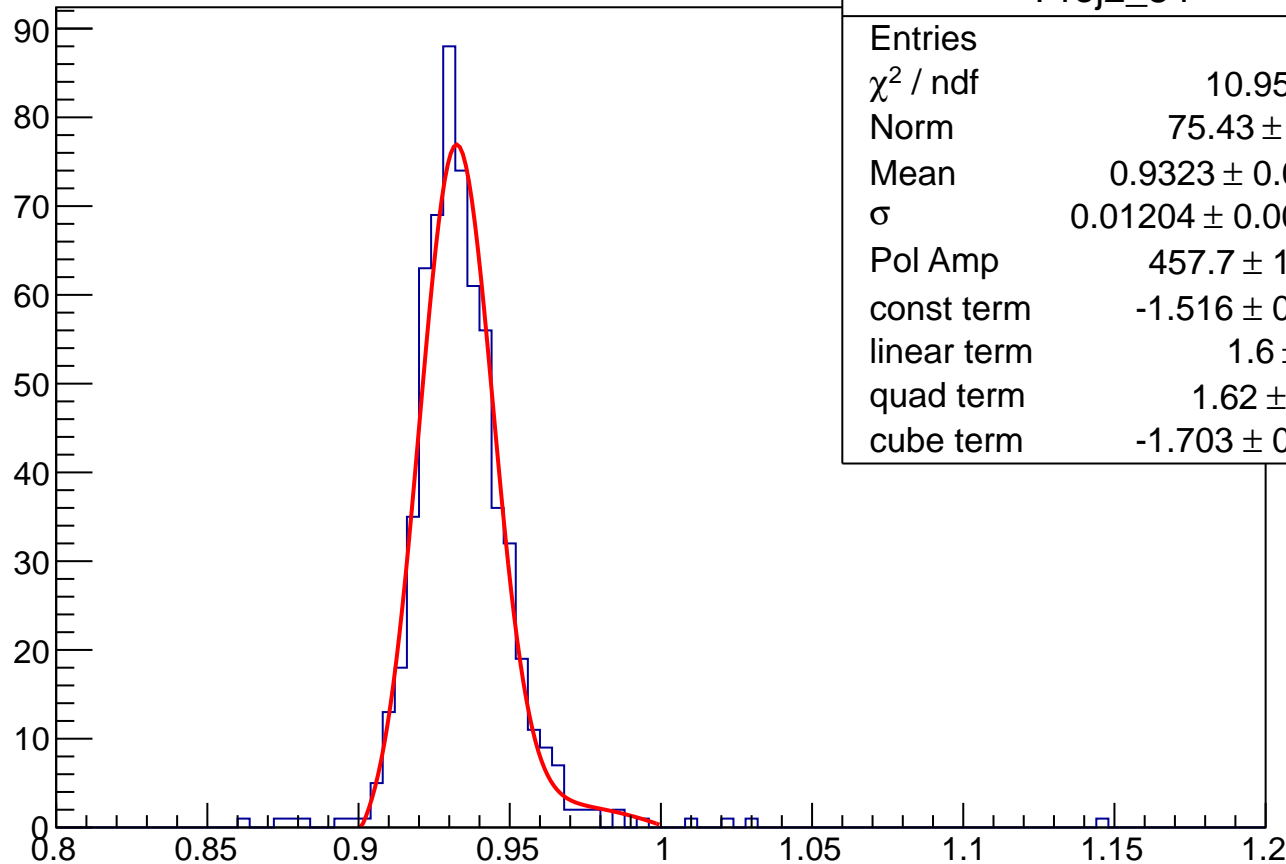
# PhiThetaMassPim



Proj2\_83

Entries	617
$\chi^2 / \text{ndf}$	27.88 / 15
Norm	$81.93 \pm 4.25$
Mean	$0.9326 \pm 0.0006$
$\sigma$	$0.01131 \pm 0.00047$
Pol Amp	$555.4 \pm 211.5$
const term	$-1.03 \pm 0.01$
linear term	$1.079 \pm 0.009$
quad term	$1.077 \pm 0.009$
cube term	$-1.126 \pm 0.009$

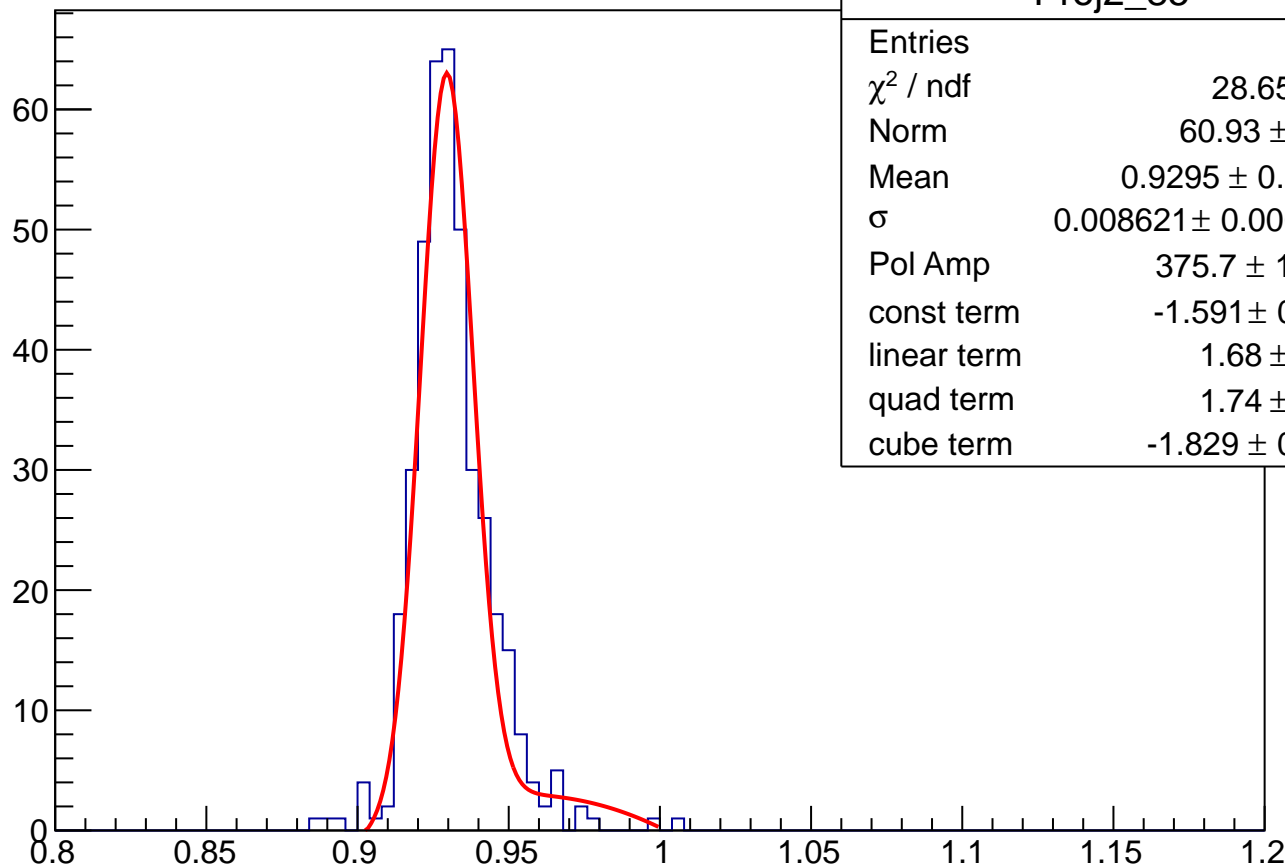
# PhiThetaMassPim



Proj2\_84

Entries	616
$\chi^2 / \text{ndf}$	10.95 / 14
Norm	$75.43 \pm 4.13$
Mean	$0.9323 \pm 0.0006$
$\sigma$	$0.01204 \pm 0.00056$
Pol Amp	$457.7 \pm 167.5$
const term	$-1.516 \pm 0.012$
linear term	$1.6 \pm 0.0$
quad term	$1.62 \pm 0.01$
cube term	$-1.703 \pm 0.013$

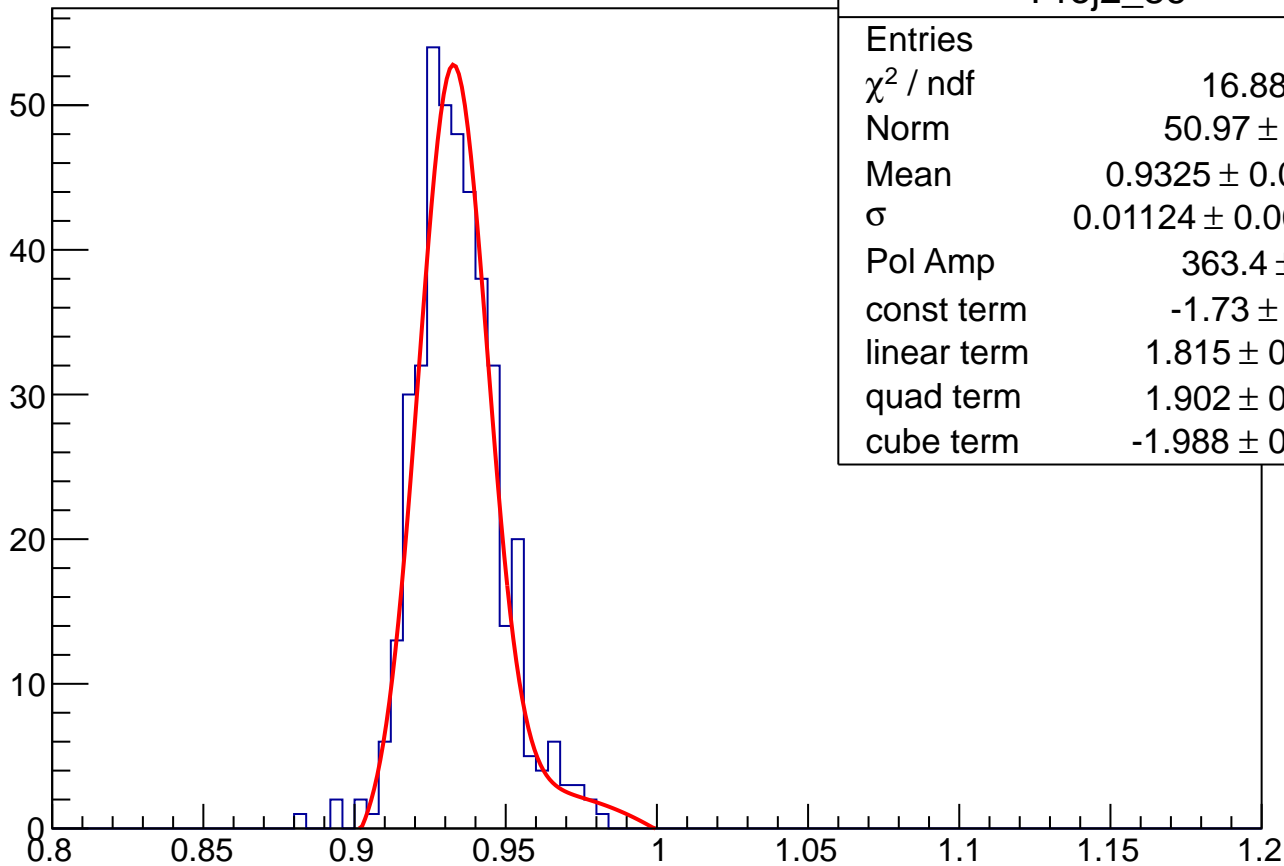
# PhiThetaMassPim



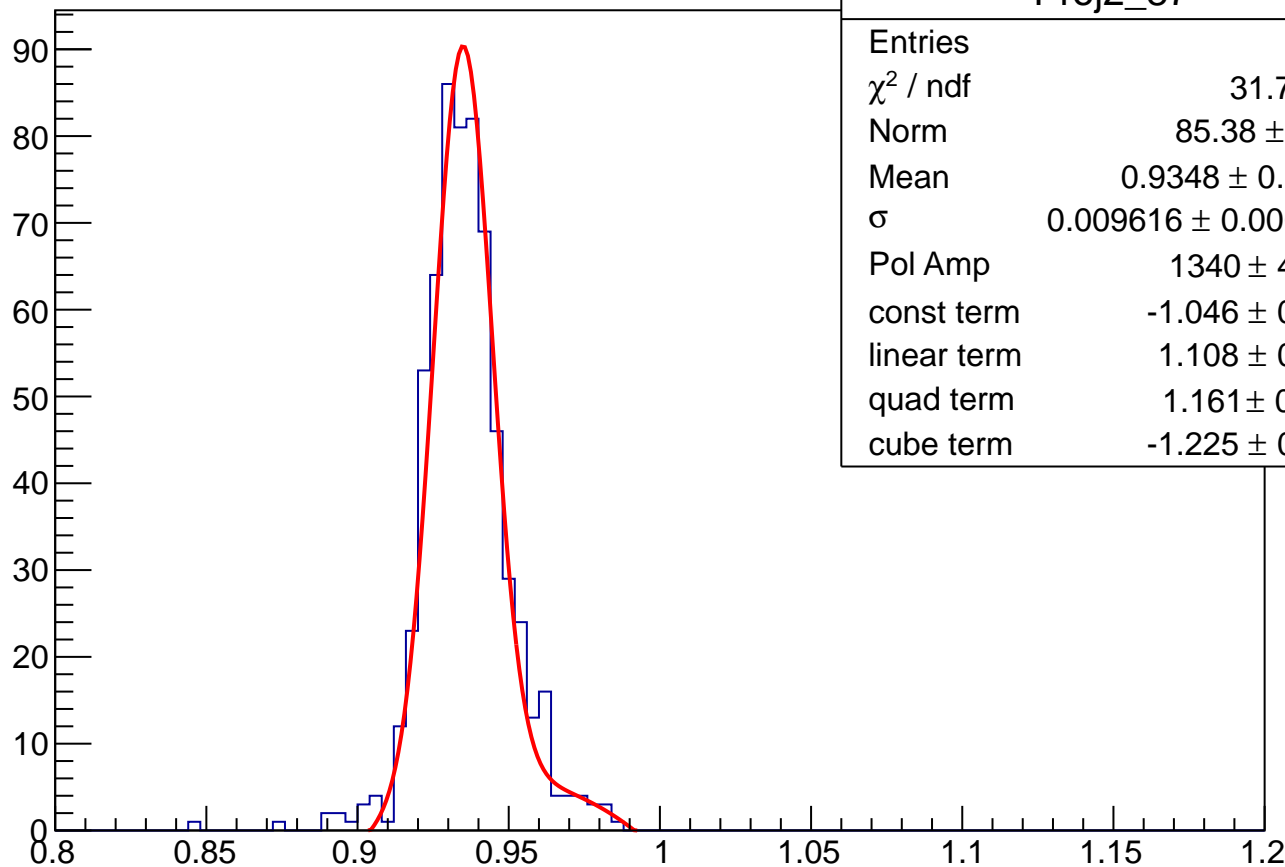
Proj2\_85

Entries	399
$\chi^2 / \text{ndf}$	28.65 / 12
Norm	$60.93 \pm 4.61$
Mean	$0.9295 \pm 0.0007$
$\sigma$	$0.008621 \pm 0.000558$
Pol Amp	$375.7 \pm 143.9$
const term	$-1.591 \pm 0.012$
linear term	$1.68 \pm 0.01$
quad term	$1.74 \pm 0.01$
cube term	$-1.829 \pm 0.014$

# PhiThetaMassPim



# PhiThetaMassPim

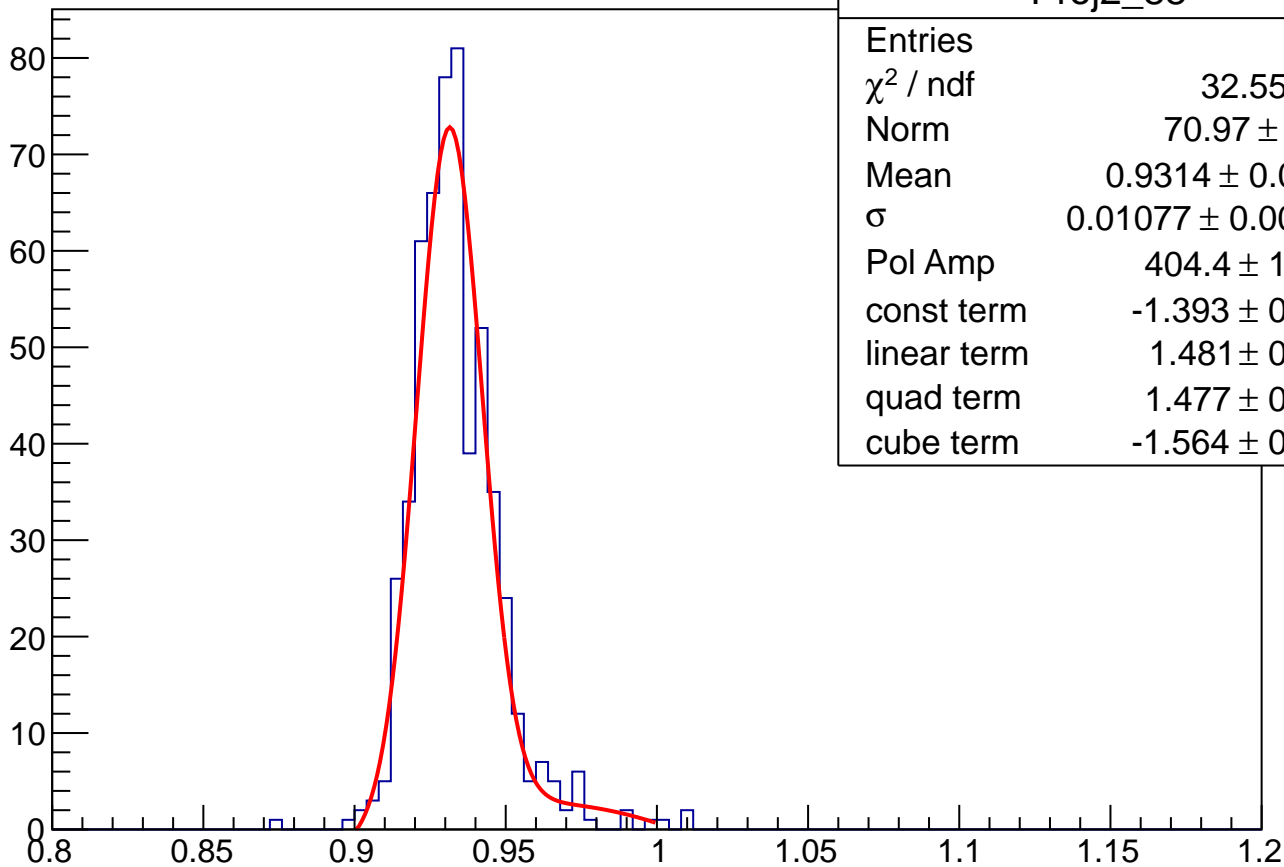


Proj2\_87

Entries	632
$\chi^2 / \text{ndf}$	31.7 / 14
Norm	$85.38 \pm 4.89$
Mean	$0.9348 \pm 0.0006$
$\sigma$	$0.009616 \pm 0.000426$
Pol Amp	$1340 \pm 457.4$
const term	$-1.046 \pm 0.004$
linear term	$1.108 \pm 0.004$
quad term	$1.161 \pm 0.005$
cube term	$-1.225 \pm 0.004$



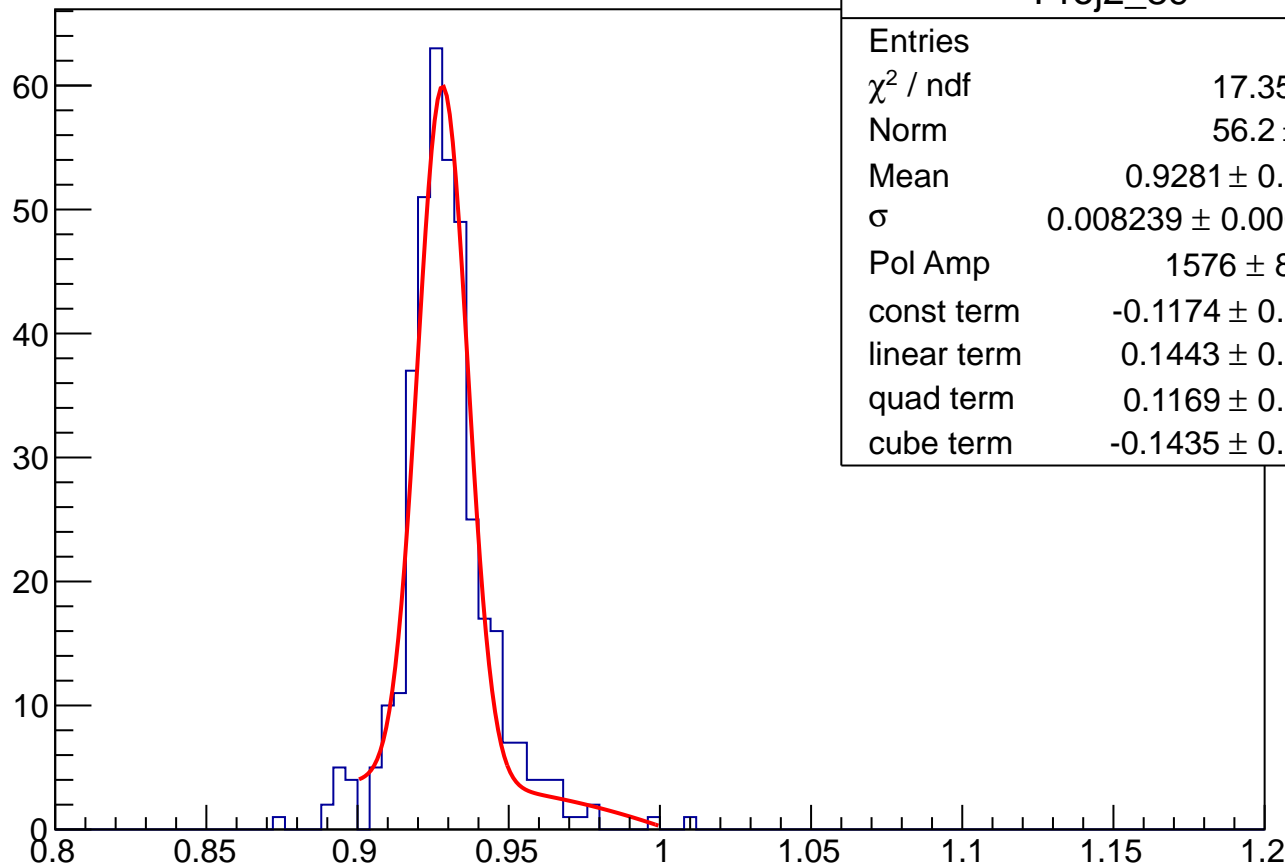
# PhiThetaMassPim



Proj2\_88

Entries	552
$\chi^2 / \text{ndf}$	32.55 / 14
Norm	$70.97 \pm 4.18$
Mean	$0.9314 \pm 0.0006$
$\sigma$	$0.01077 \pm 0.00050$
Pol Amp	$404.4 \pm 177.3$
const term	$-1.393 \pm 0.012$
linear term	$1.481 \pm 0.014$
quad term	$1.477 \pm 0.014$
cube term	$-1.564 \pm 0.014$

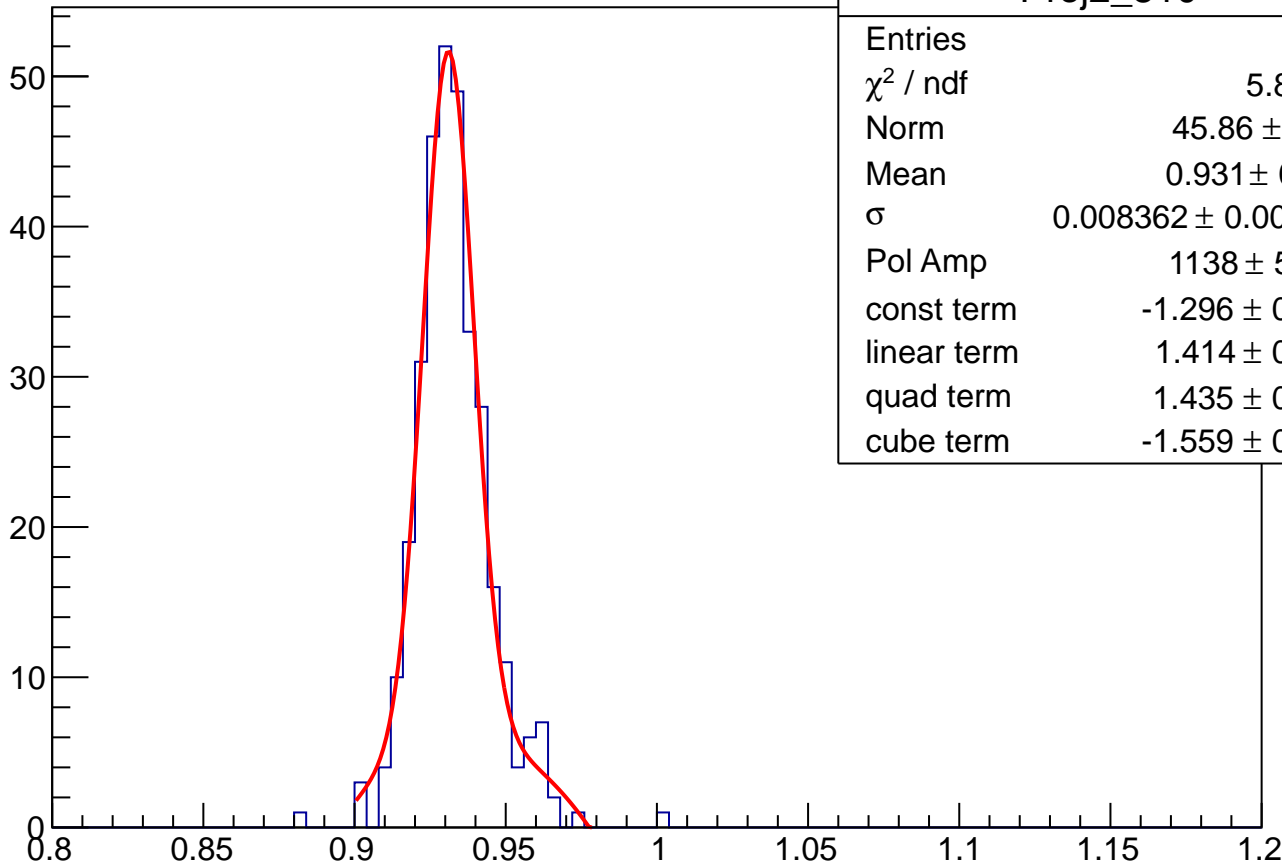
# PhiThetaMassPim



Proj2\_89

Entries	382
$\chi^2 / \text{ndf}$	17.35 / 12
Norm	$56.2 \pm 4.7$
Mean	$0.9281 \pm 0.0006$
$\sigma$	$0.008239 \pm 0.000663$
Pol Amp	$1576 \pm 884.5$
const term	$-0.1174 \pm 0.0034$
linear term	$0.1443 \pm 0.0035$
quad term	$0.1169 \pm 0.0036$
cube term	$-0.1435 \pm 0.0036$

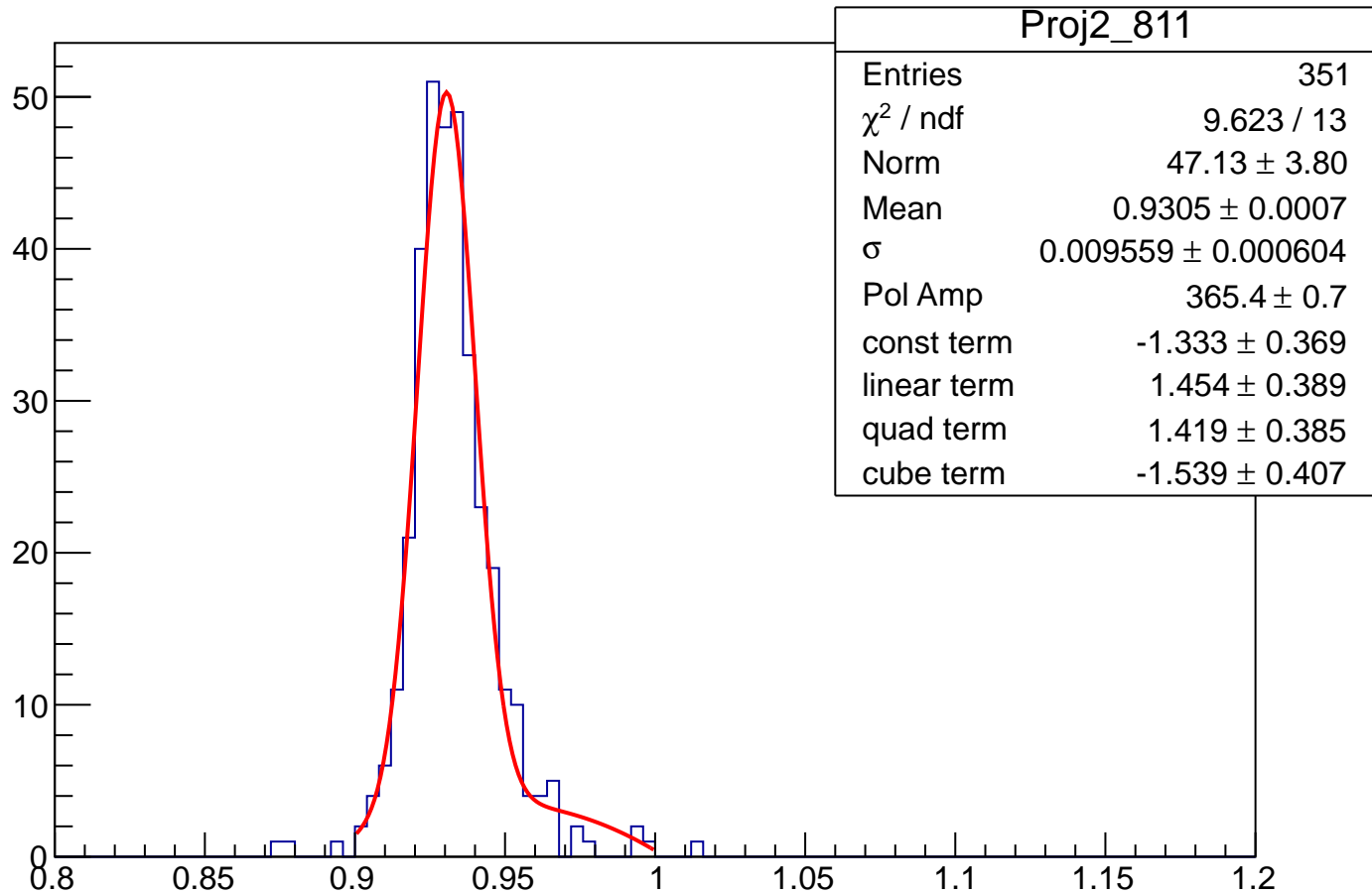
# PhiThetaMassPim



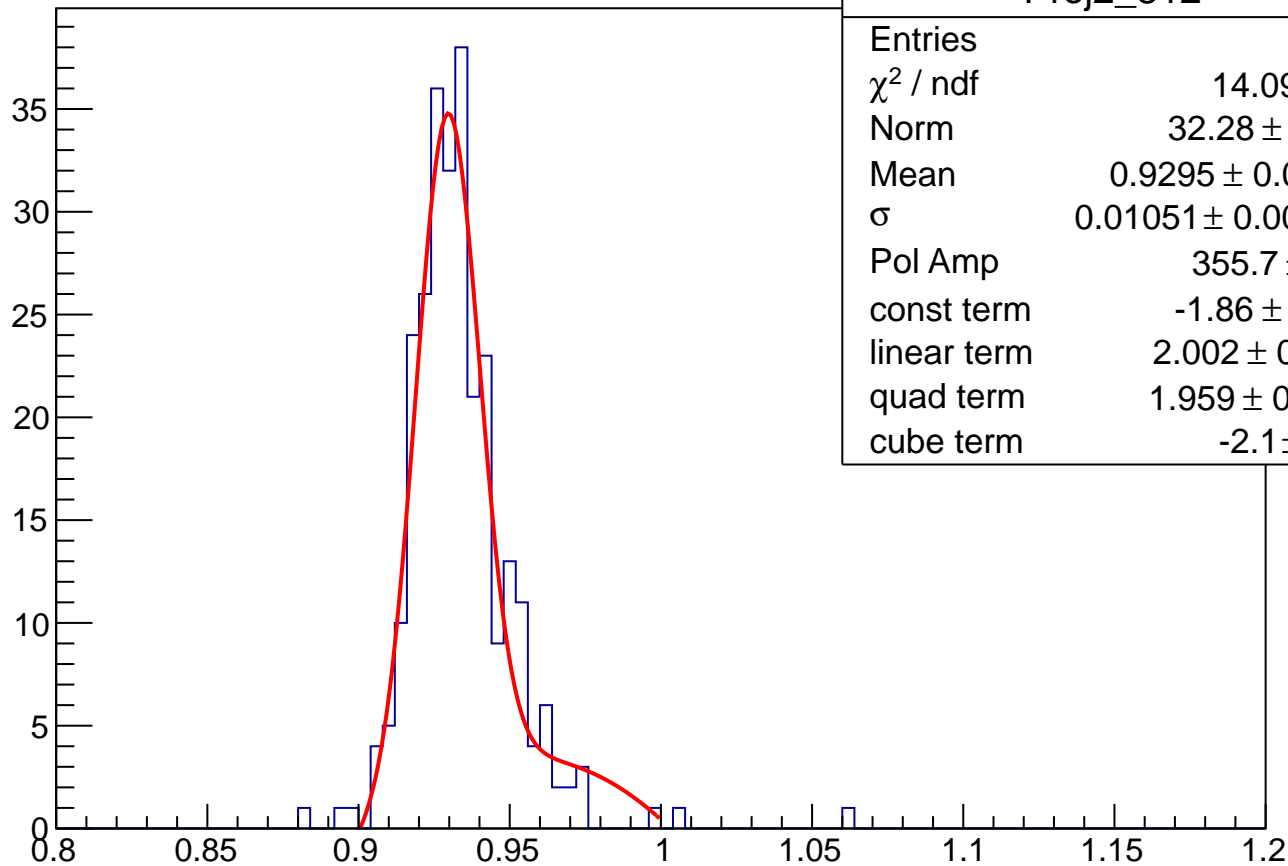
Proj2\_810

Entries	324
$\chi^2 / \text{ndf}$	5.86 / 9
Norm	$45.86 \pm 4.20$
Mean	$0.931 \pm 0.001$
$\sigma$	$0.008362 \pm 0.000761$
Pol Amp	$1138 \pm 589.4$
const term	$-1.296 \pm 0.005$
linear term	$1.414 \pm 0.006$
quad term	$1.435 \pm 0.006$
cube term	$-1.559 \pm 0.006$

# PhiThetaMassPim



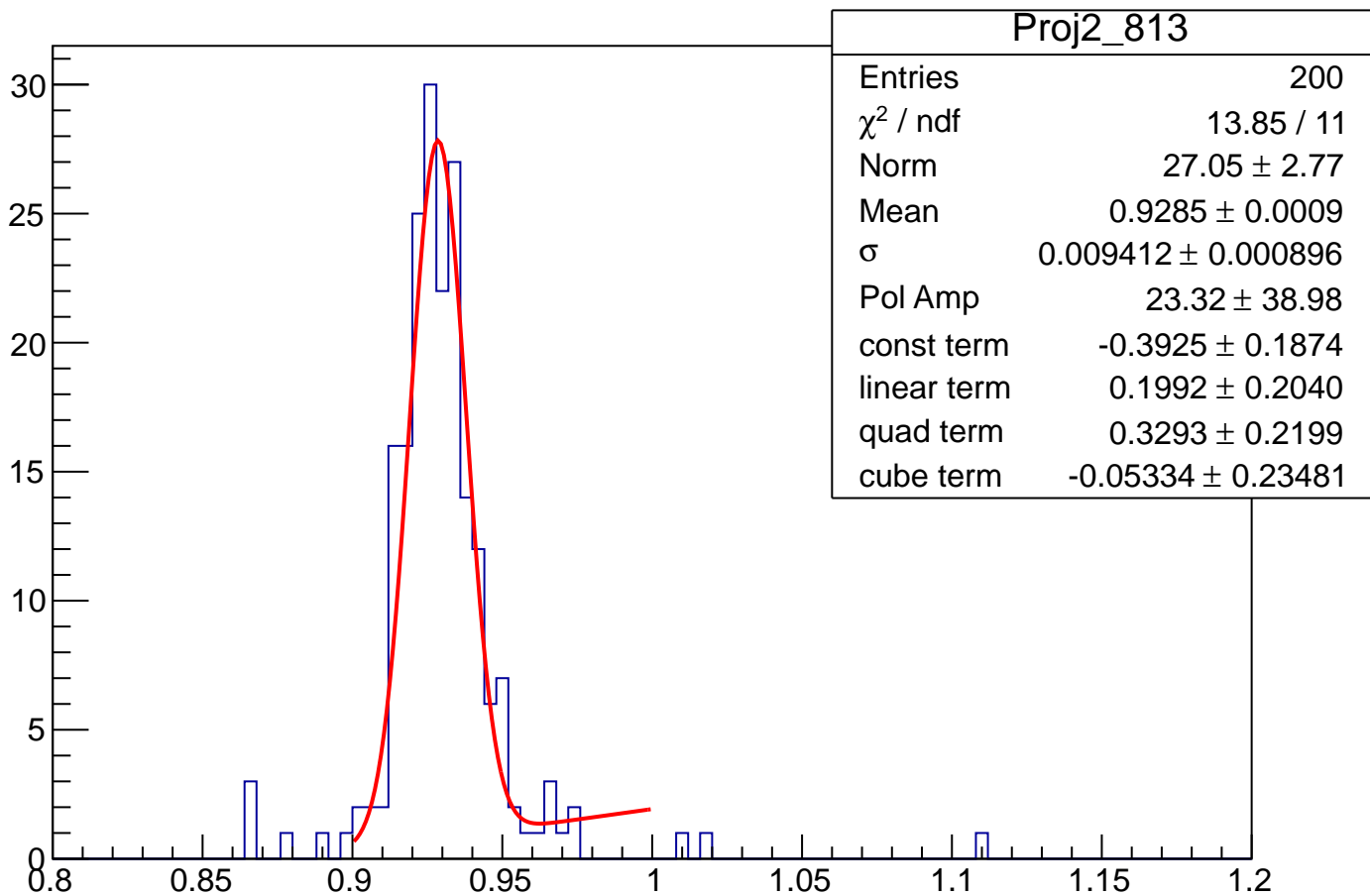
# PhiThetaMassPim



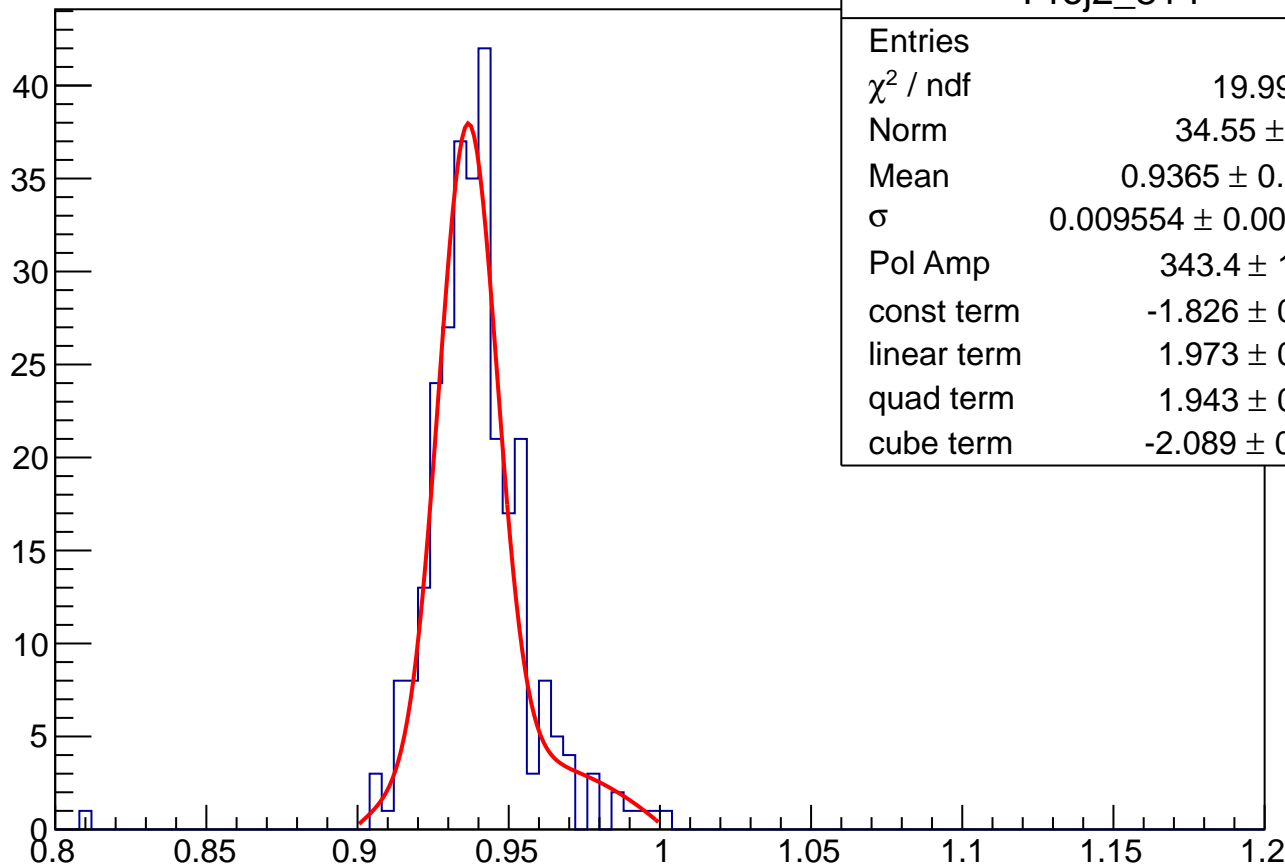
Proj2\_812

Entries	275
$\chi^2 / \text{ndf}$	14.09 / 11
Norm	$32.28 \pm 3.09$
Mean	$0.9295 \pm 0.0010$
$\sigma$	$0.01051 \pm 0.00146$
Pol Amp	$355.7 \pm 2.1$
const term	$-1.86 \pm 0.63$
linear term	$2.002 \pm 0.641$
quad term	$1.959 \pm 0.647$
cube term	$-2.1 \pm 0.7$

# PhiThetaMassPim



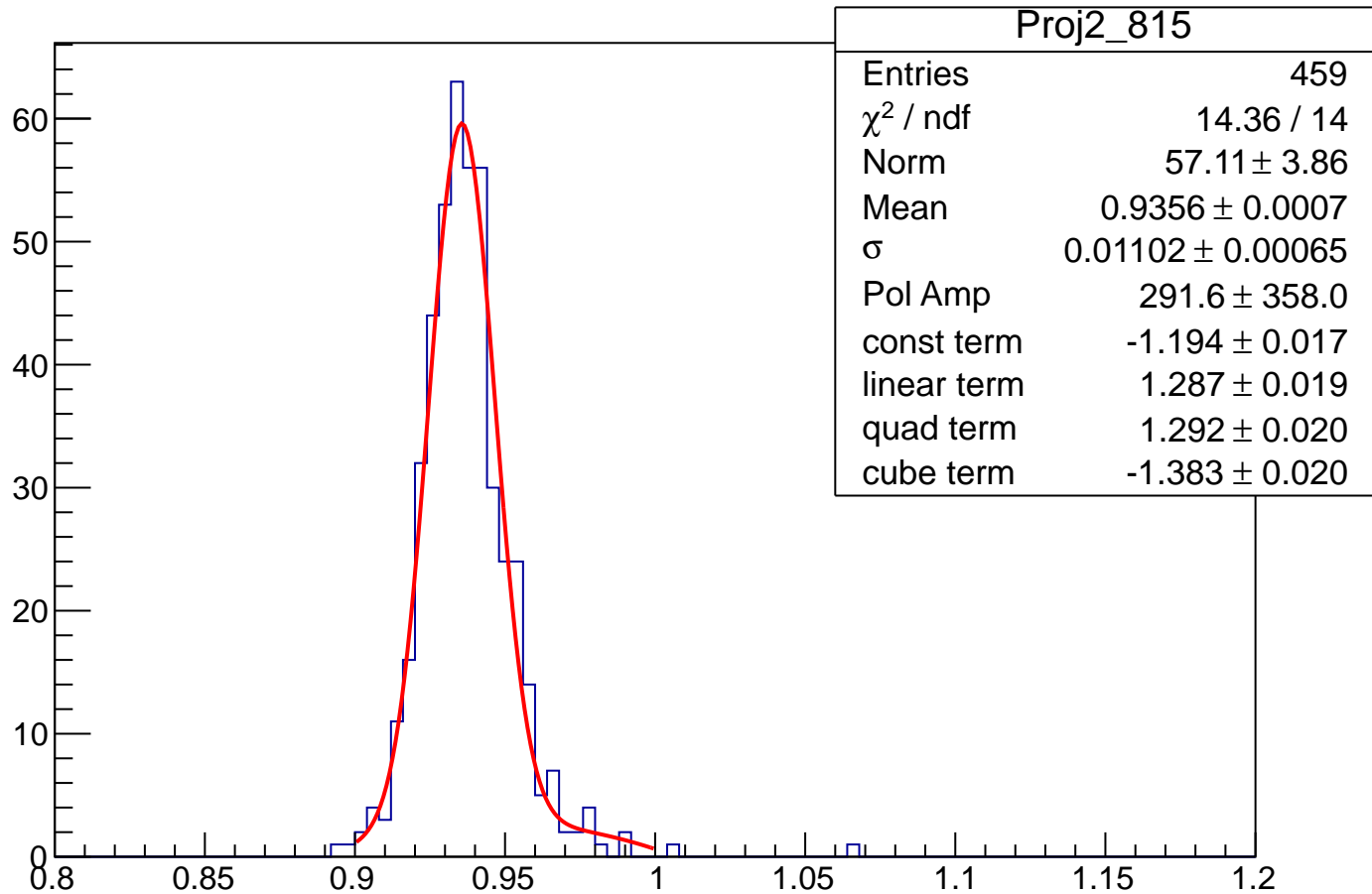
# PhiThetaMassPim



Proj2\_814

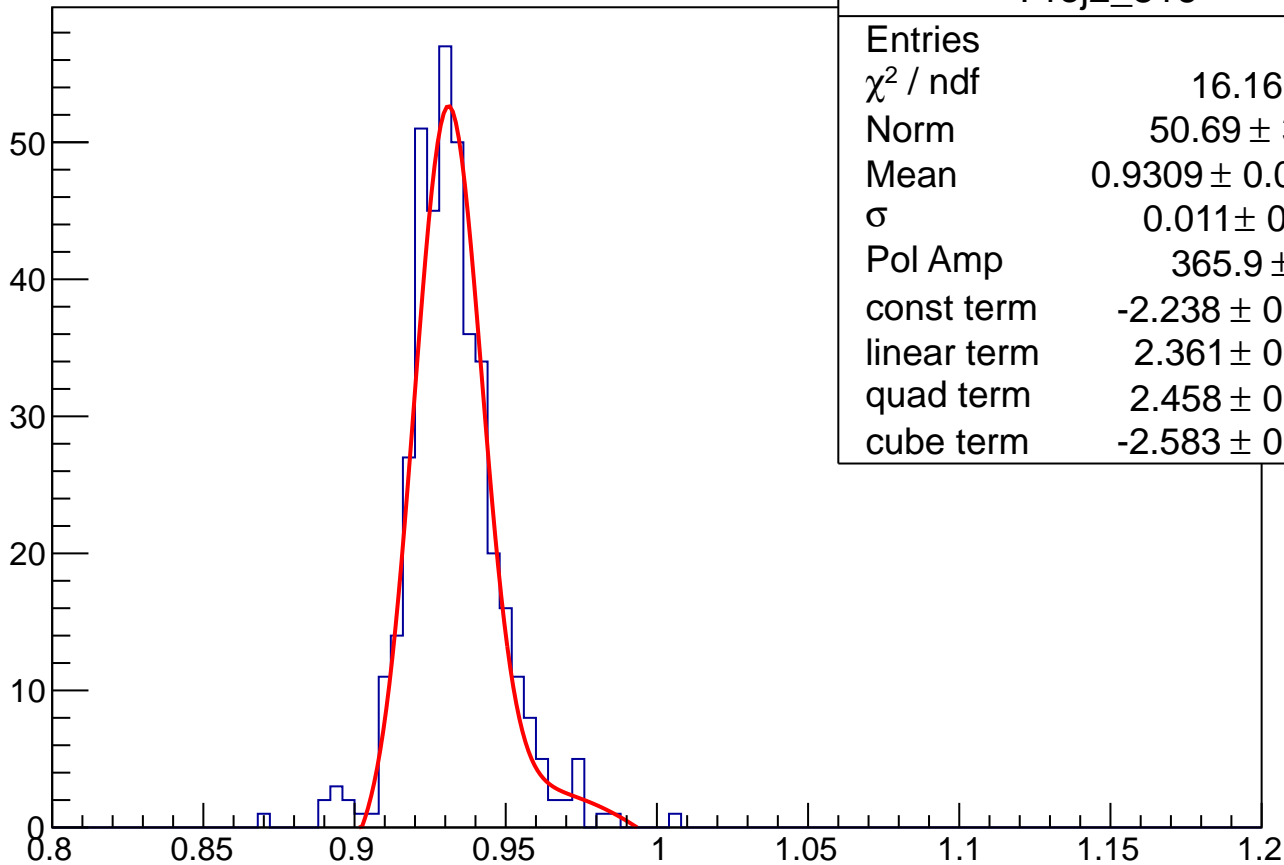
Entries	287
$\chi^2 / \text{ndf}$	19.99 / 14
Norm	$34.55 \pm 3.27$
Mean	$0.9365 \pm 0.0009$
$\sigma$	$0.009554 \pm 0.000802$
Pol Amp	$343.4 \pm 173.2$
const term	$-1.826 \pm 0.012$
linear term	$1.973 \pm 0.014$
quad term	$1.943 \pm 0.014$
cube term	$-2.089 \pm 0.013$

# PhiThetaMassPim

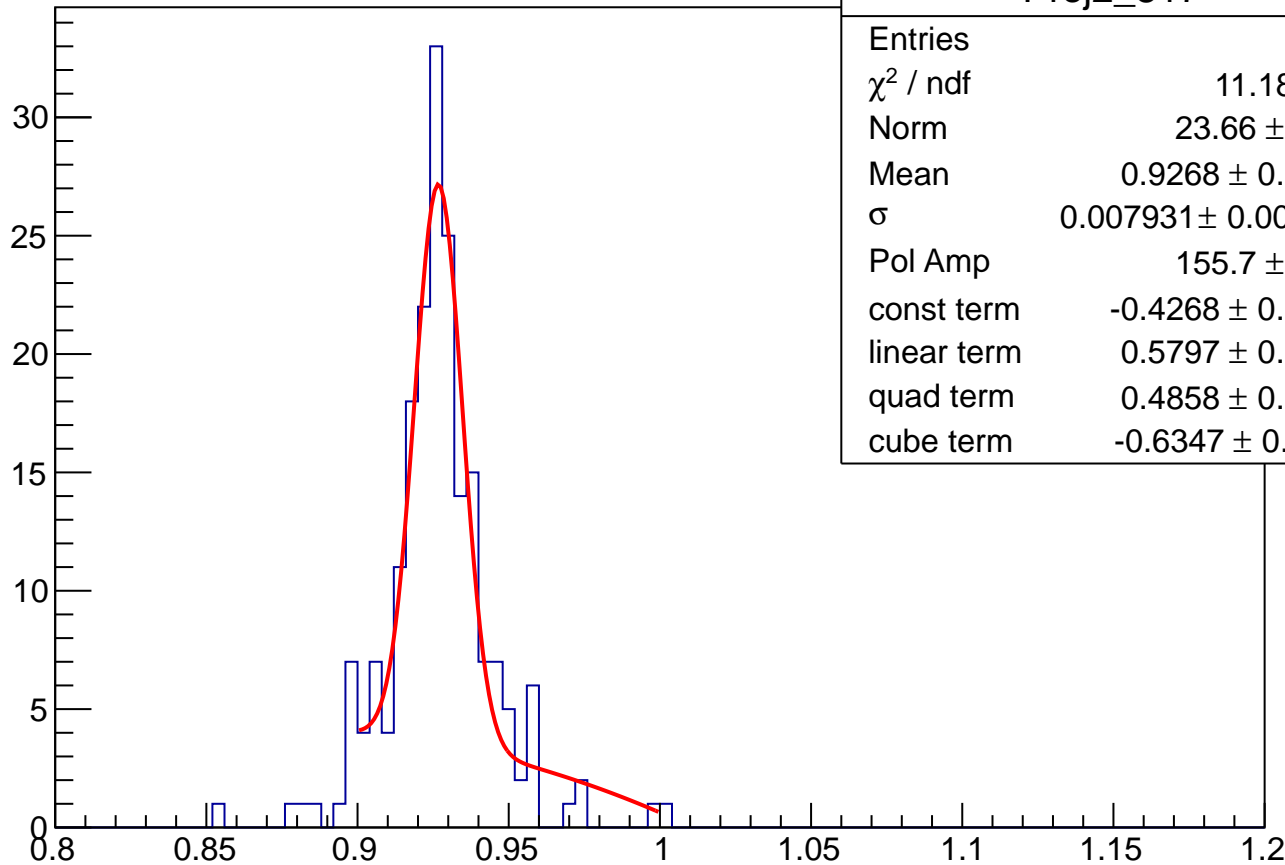




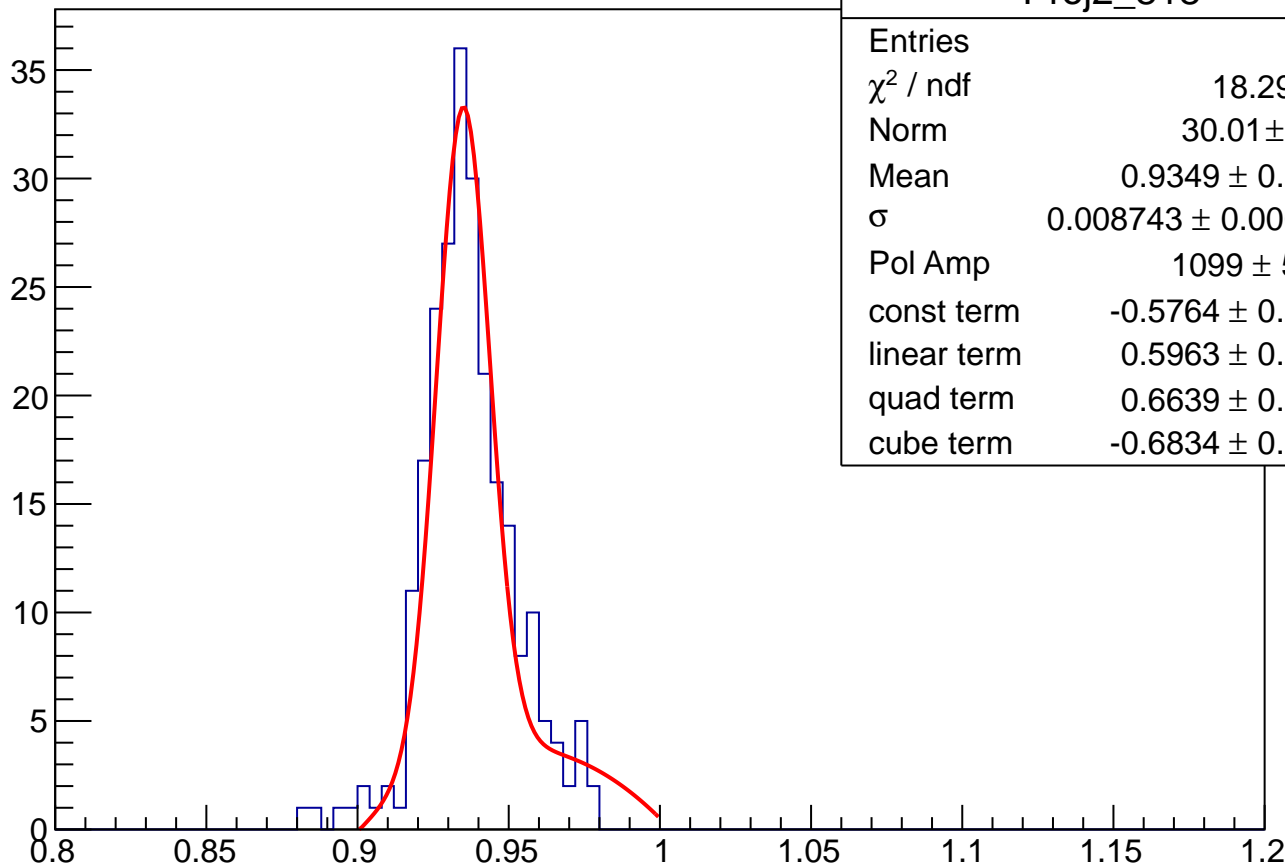
# PhiThetaMassPim



# PhiThetaMassPim



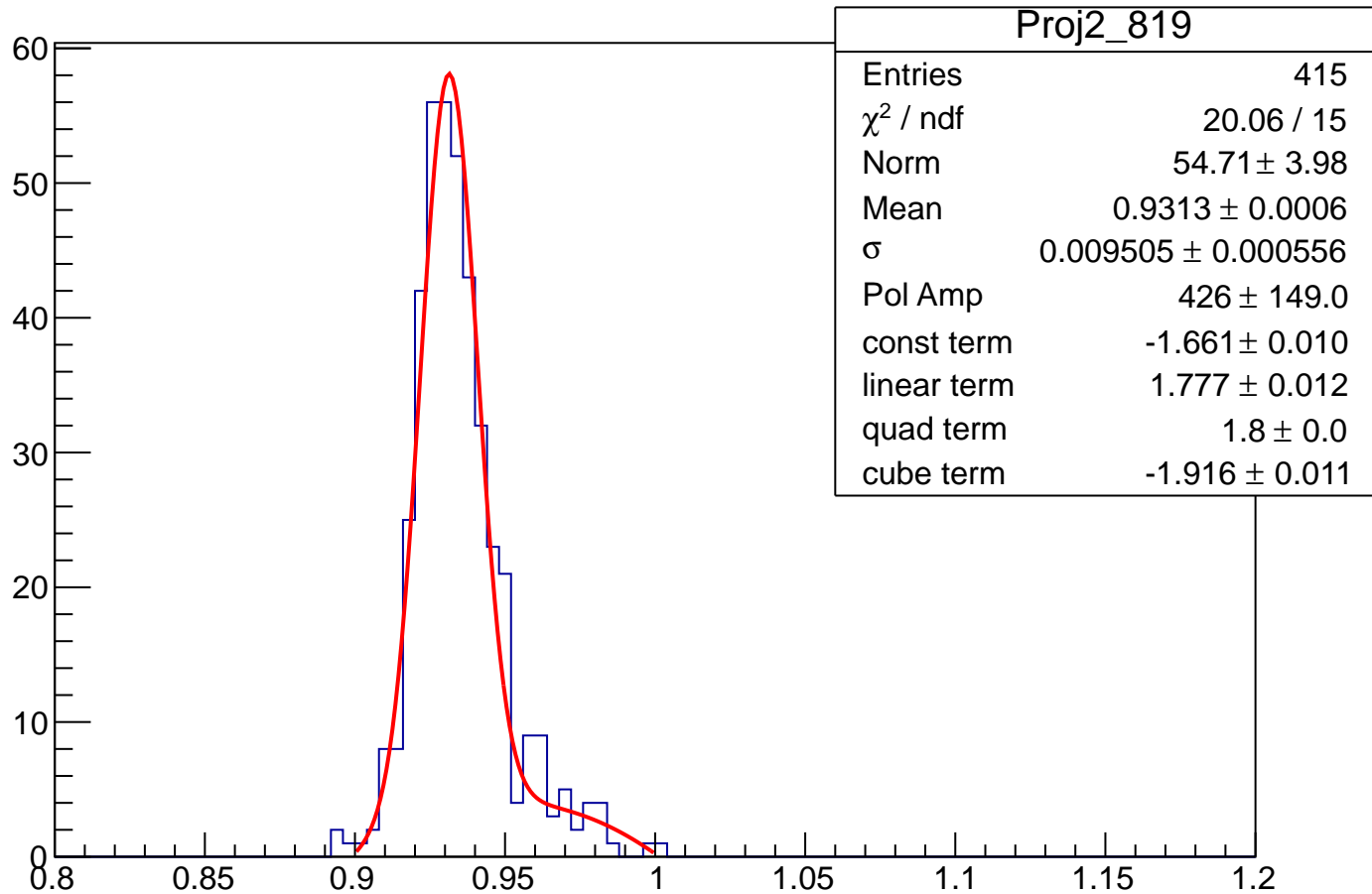
# PhiThetaMassPim



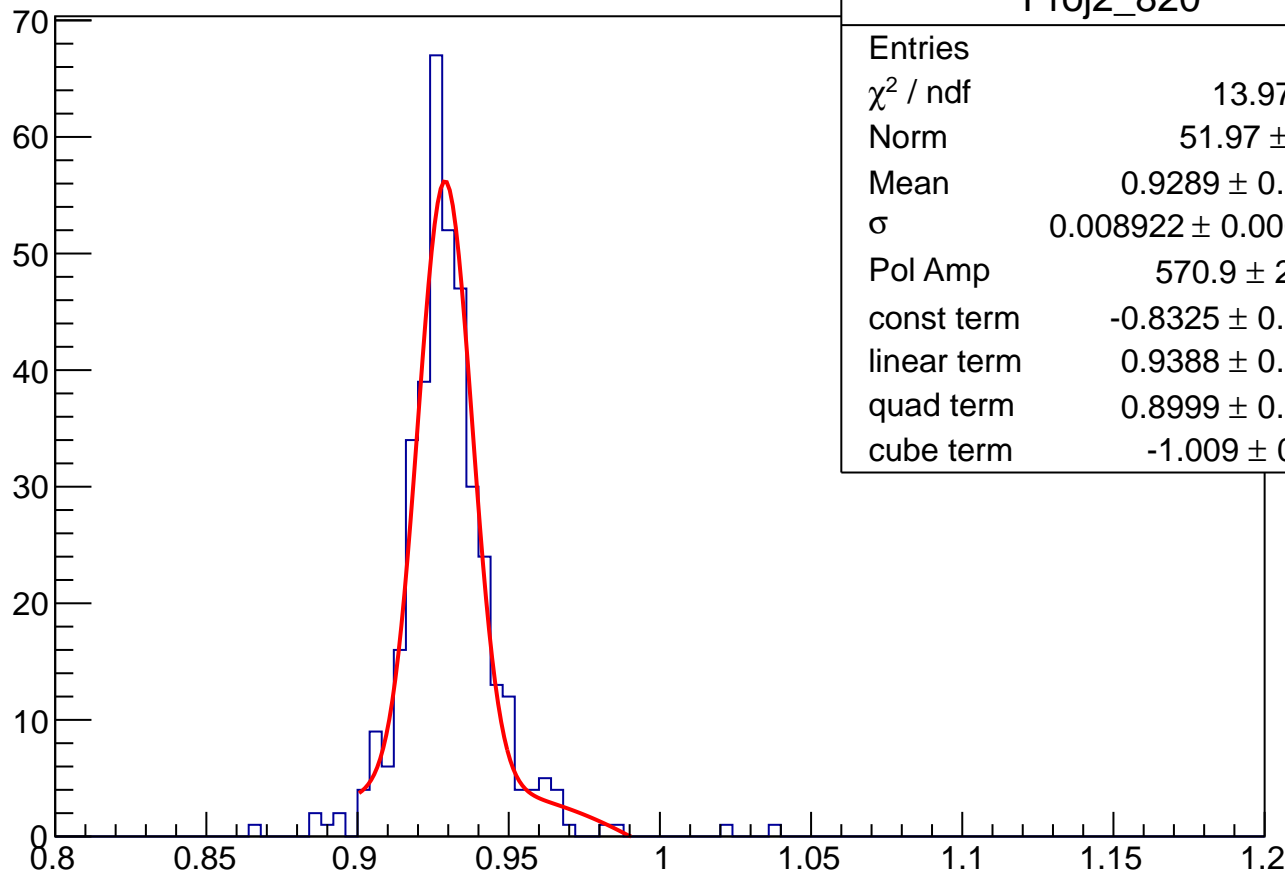
Proj2\_818

Entries	242
$\chi^2 / \text{ndf}$	18.29 / 12
Norm	$30.01 \pm 3.23$
Mean	$0.9349 \pm 0.0010$
$\sigma$	$0.008743 \pm 0.000840$
Pol Amp	$1099 \pm 595.1$
const term	$-0.5764 \pm 0.0044$
linear term	$0.5963 \pm 0.0049$
quad term	$0.6639 \pm 0.0053$
cube term	$-0.6834 \pm 0.0056$

# PhiThetaMassPim



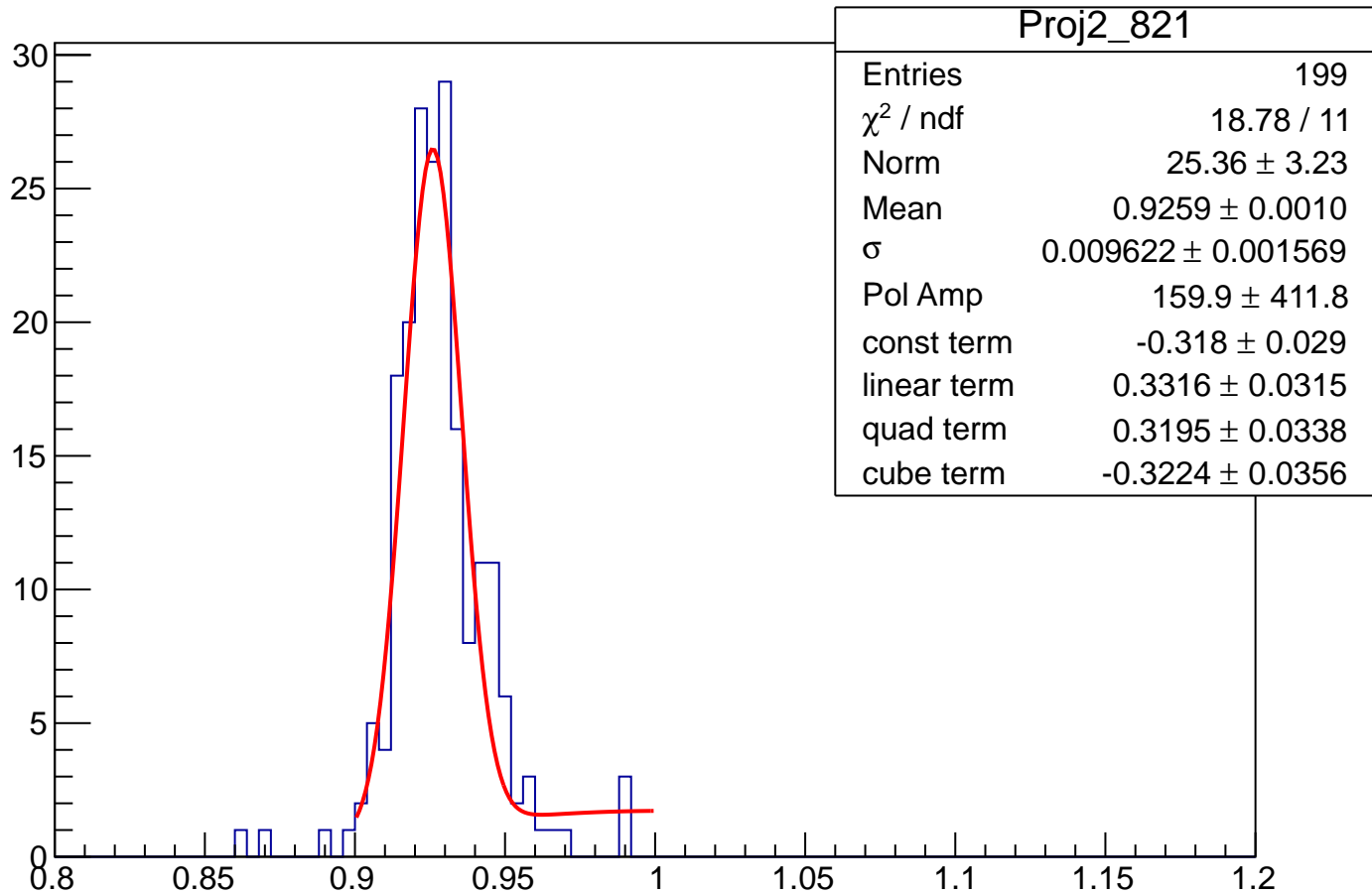
# PhiThetaMassPim



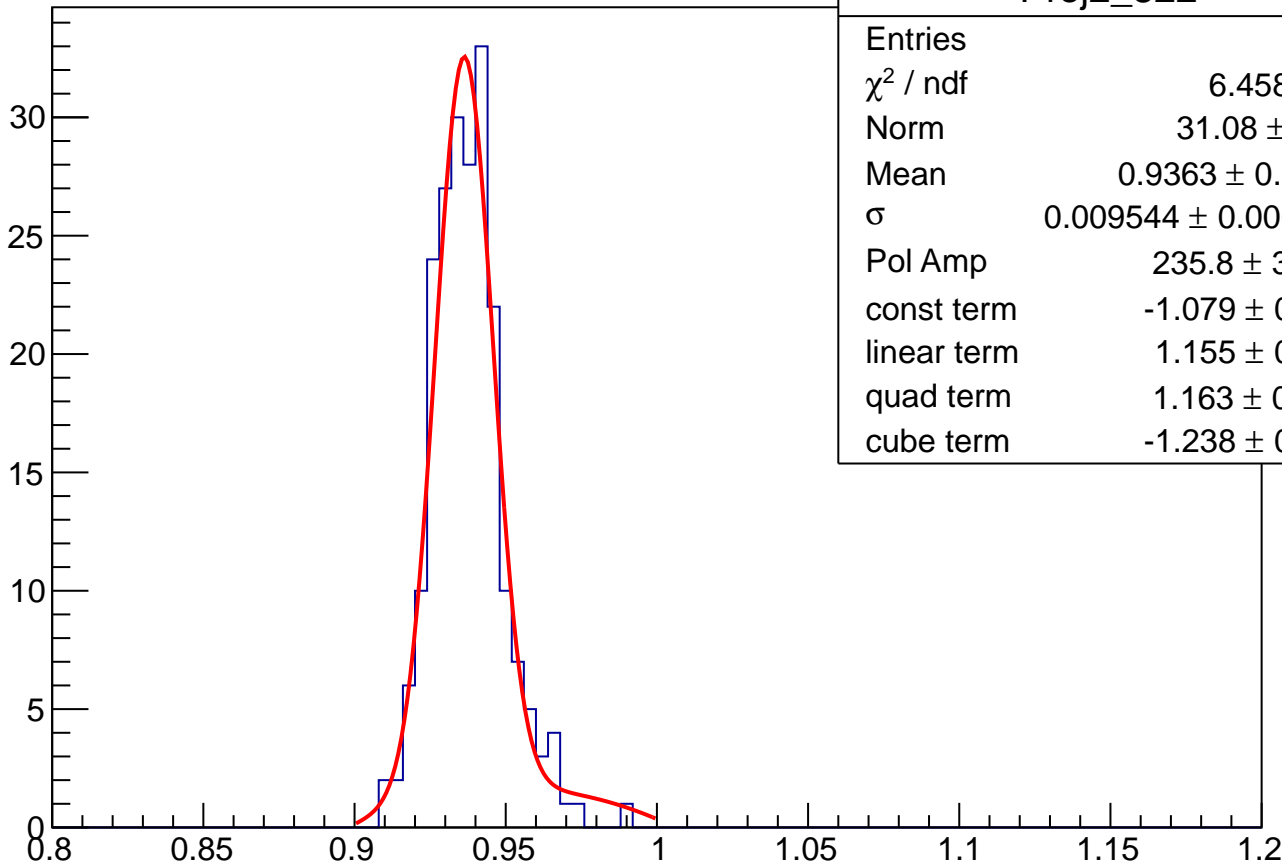
Proj2\_820

Entries	381
$\chi^2 / \text{ndf}$	13.97 / 12
Norm	$51.97 \pm 4.21$
Mean	$0.9289 \pm 0.0006$
$\sigma$	$0.008922 \pm 0.000705$
Pol Amp	$570.9 \pm 287.8$
const term	$-0.8325 \pm 0.0093$
linear term	$0.9388 \pm 0.0099$
quad term	$0.8999 \pm 0.0102$
cube term	$-1.009 \pm 0.010$

# PhiThetaMassPim



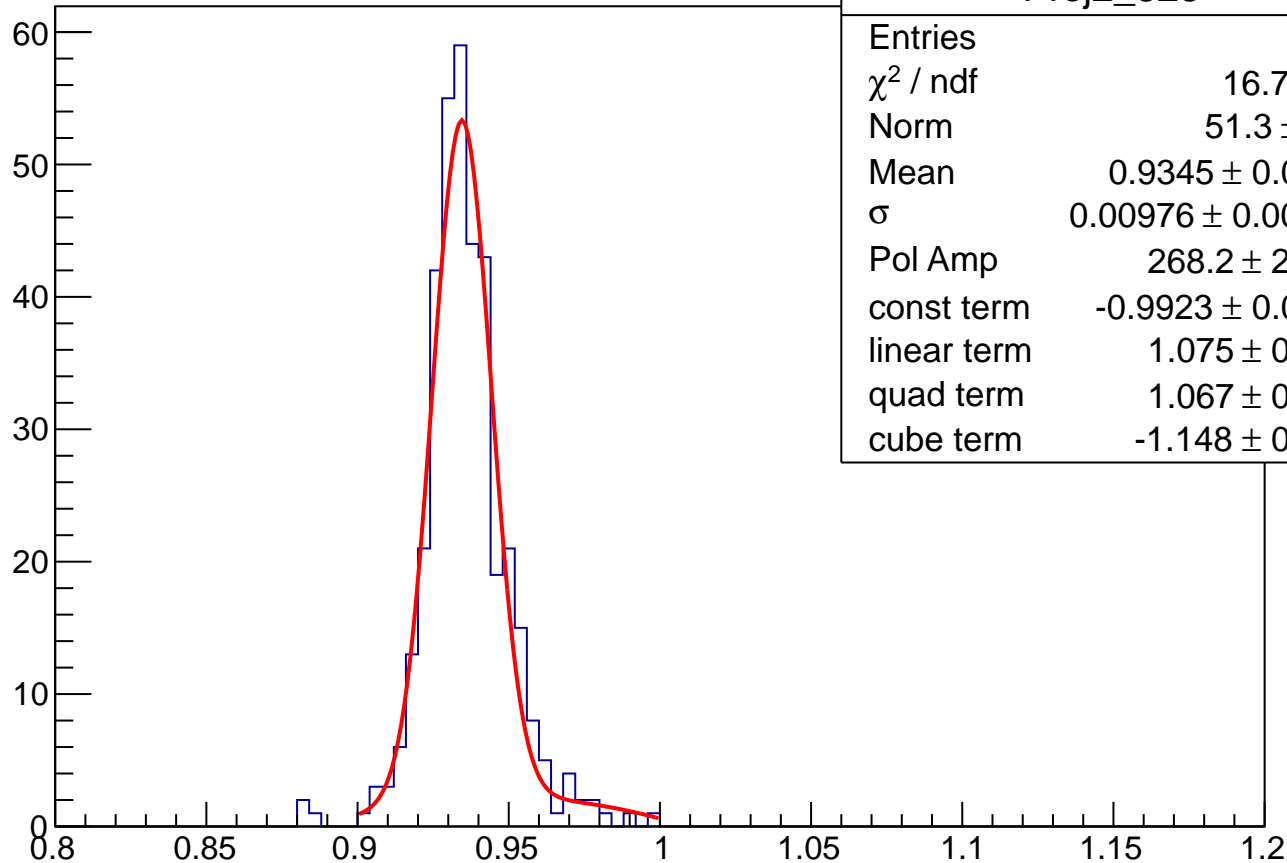
# PhiThetaMassPim



Proj2\_822

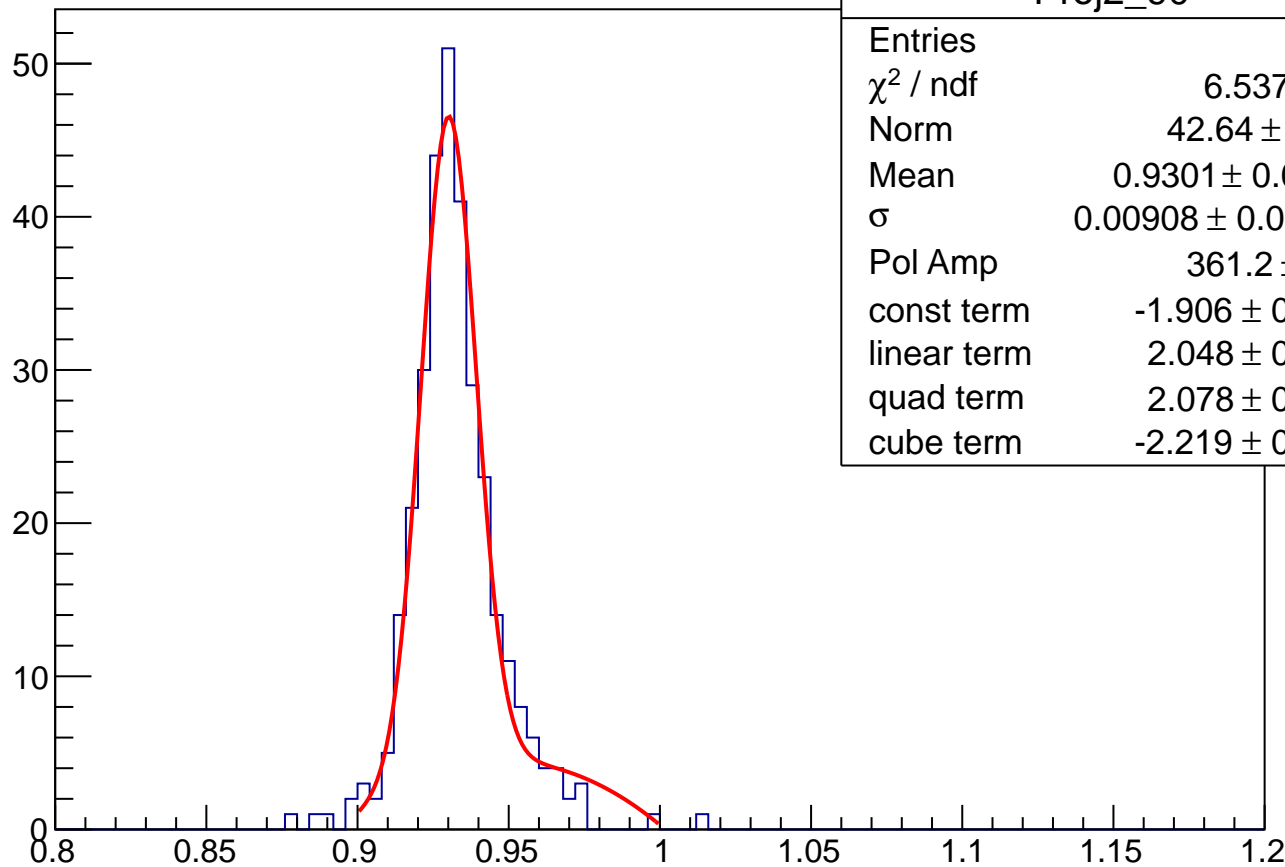
Entries	217
$\chi^2 / \text{ndf}$	6.458 / 10
Norm	$31.08 \pm 3.01$
Mean	$0.9363 \pm 0.0009$
$\sigma$	$0.009544 \pm 0.000766$
Pol Amp	$235.8 \pm 333.7$
const term	$-1.079 \pm 0.020$
linear term	$1.155 \pm 0.022$
quad term	$1.163 \pm 0.023$
cube term	$-1.238 \pm 0.022$

# PhiThetaMassPim

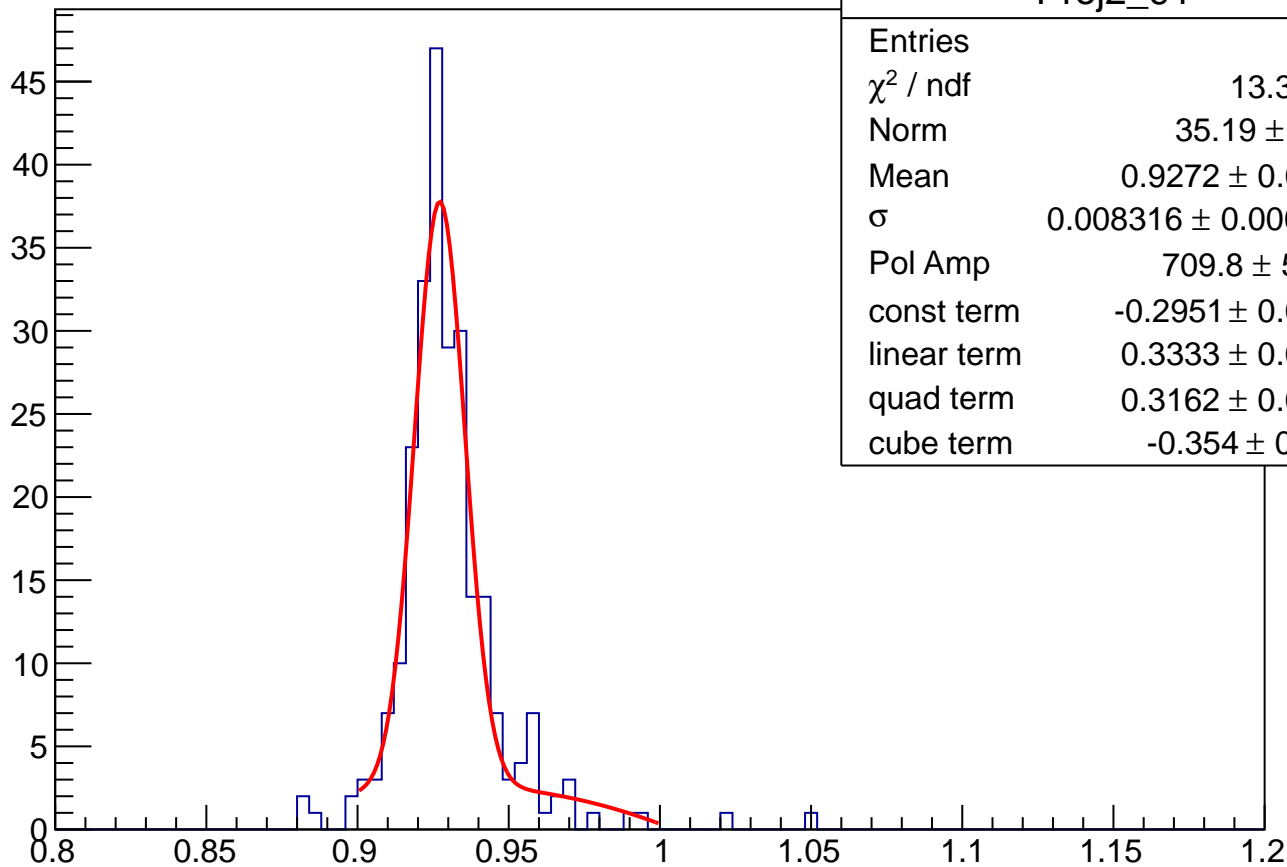




# PhiThetaMassPim



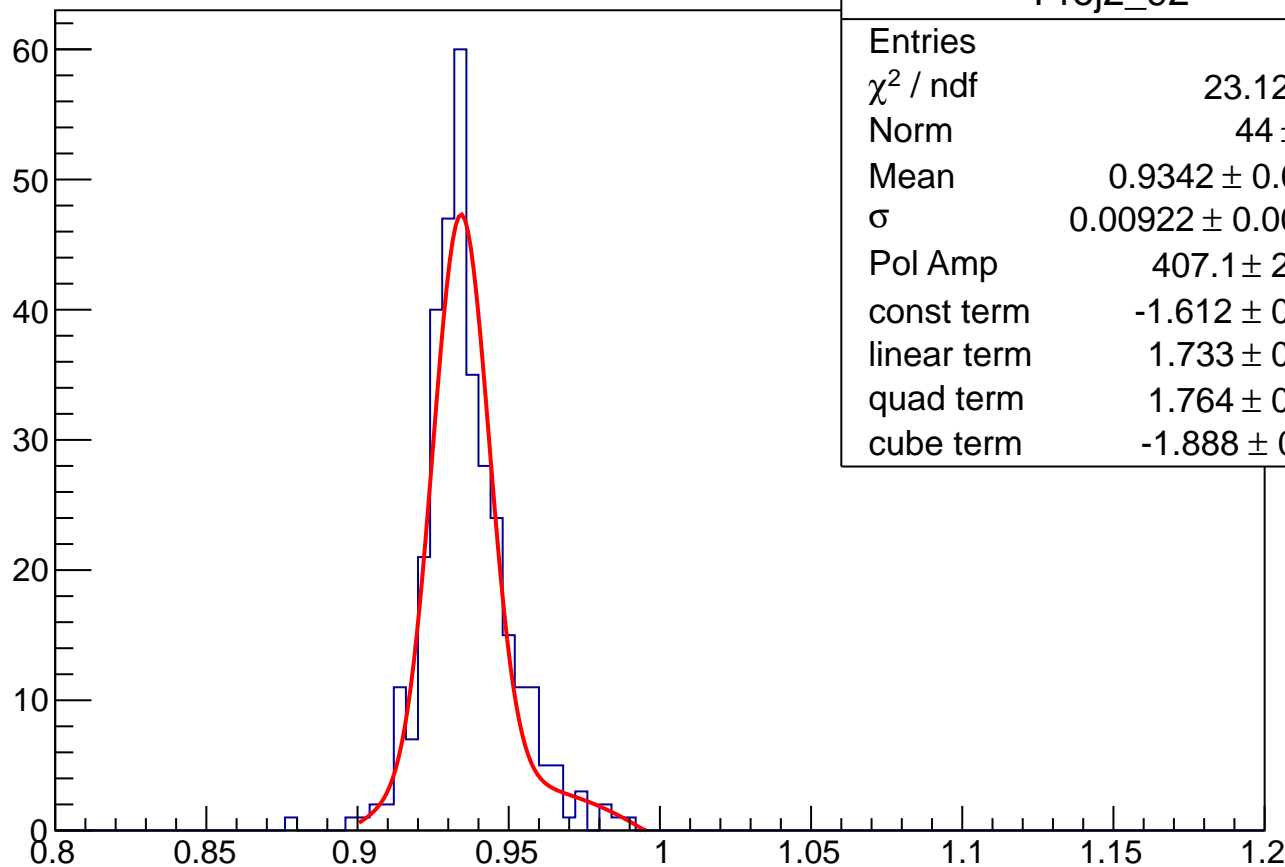
# PhiThetaMassPim



Proj2\_91

Entries	250
$\chi^2 / \text{ndf}$	13.3 / 13
Norm	$35.19 \pm 3.62$
Mean	$0.9272 \pm 0.0007$
$\sigma$	$0.008316 \pm 0.000799$
Pol Amp	$709.8 \pm 505.1$
const term	$-0.2951 \pm 0.0063$
linear term	$0.3333 \pm 0.0067$
quad term	$0.3162 \pm 0.0068$
cube term	$-0.354 \pm 0.007$

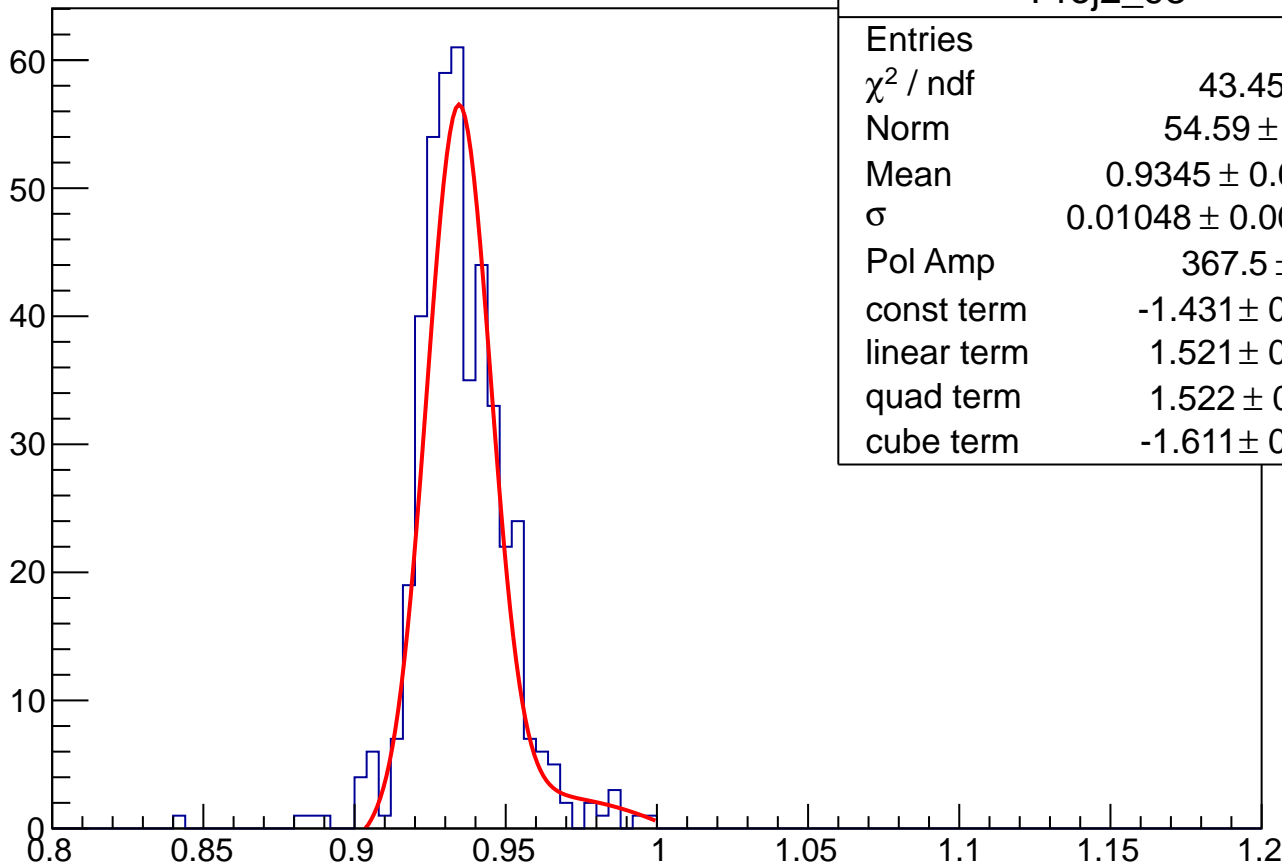
# PhiThetaMassPim



Proj2\_92

Entries	335
$\chi^2 / \text{ndf}$	23.12 / 14
Norm	$44 \pm 4.0$
Mean	$0.9342 \pm 0.0008$
$\sigma$	$0.00922 \pm 0.00085$
Pol Amp	$407.1 \pm 212.2$
const term	$-1.612 \pm 0.009$
linear term	$1.733 \pm 0.012$
quad term	$1.764 \pm 0.012$
cube term	$-1.888 \pm 0.011$

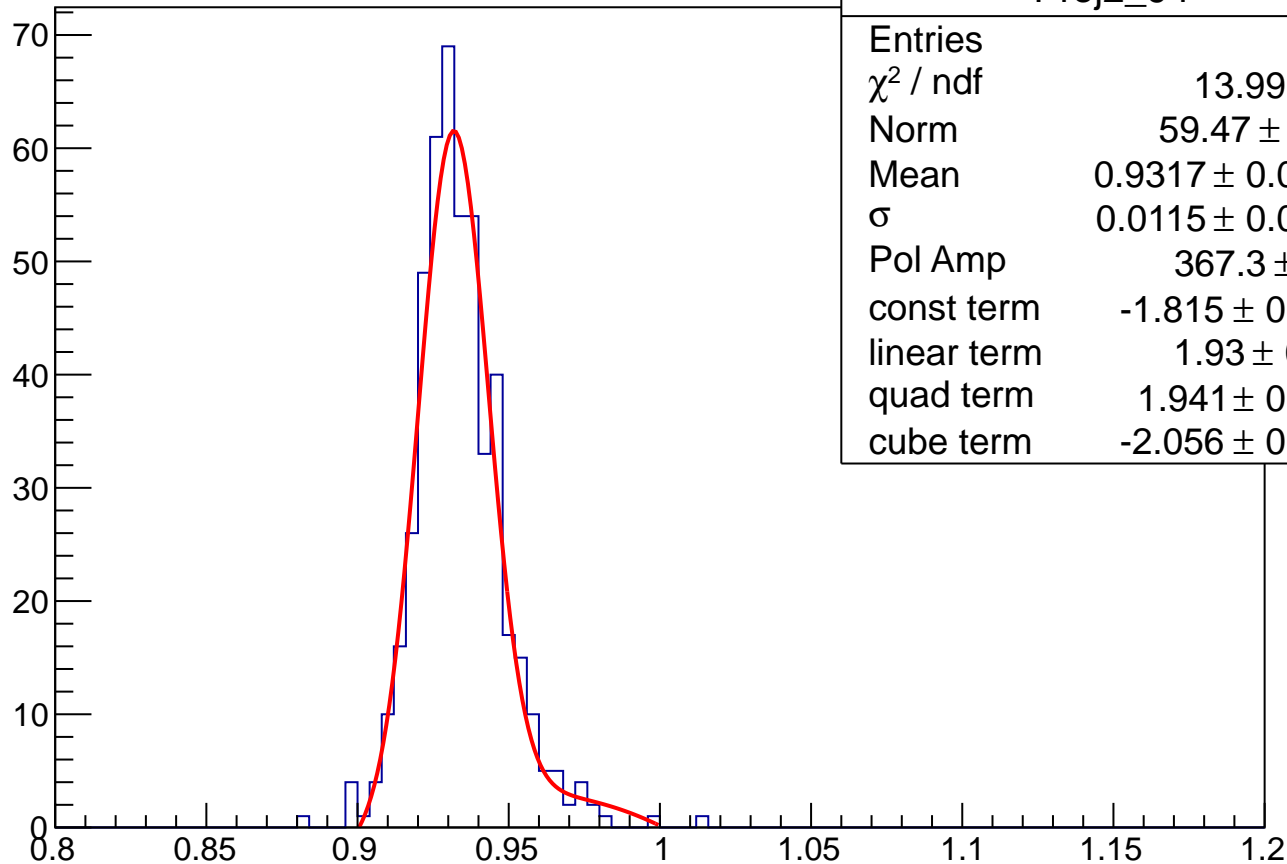
# PhiThetaMassPim



Proj2\_93

Entries	441
$\chi^2 / \text{ndf}$	43.45 / 15
Norm	$54.59 \pm 3.76$
Mean	$0.9345 \pm 0.0006$
$\sigma$	$0.01048 \pm 0.00048$
Pol Amp	$367.5 \pm 0.5$
const term	$-1.431 \pm 0.379$
linear term	$1.521 \pm 0.399$
quad term	$1.522 \pm 0.401$
cube term	$-1.611 \pm 0.423$

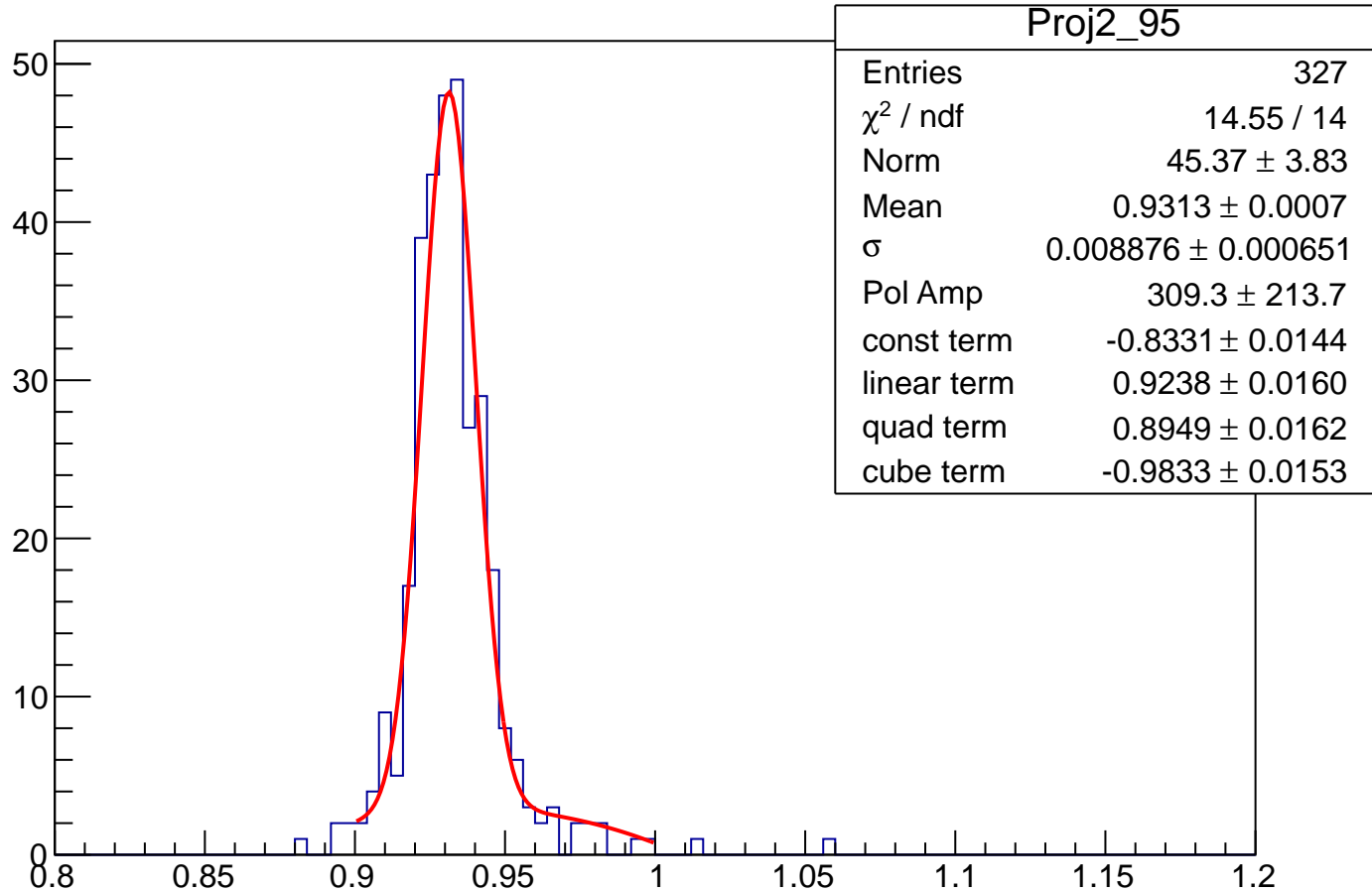
# PhiThetaMassPim



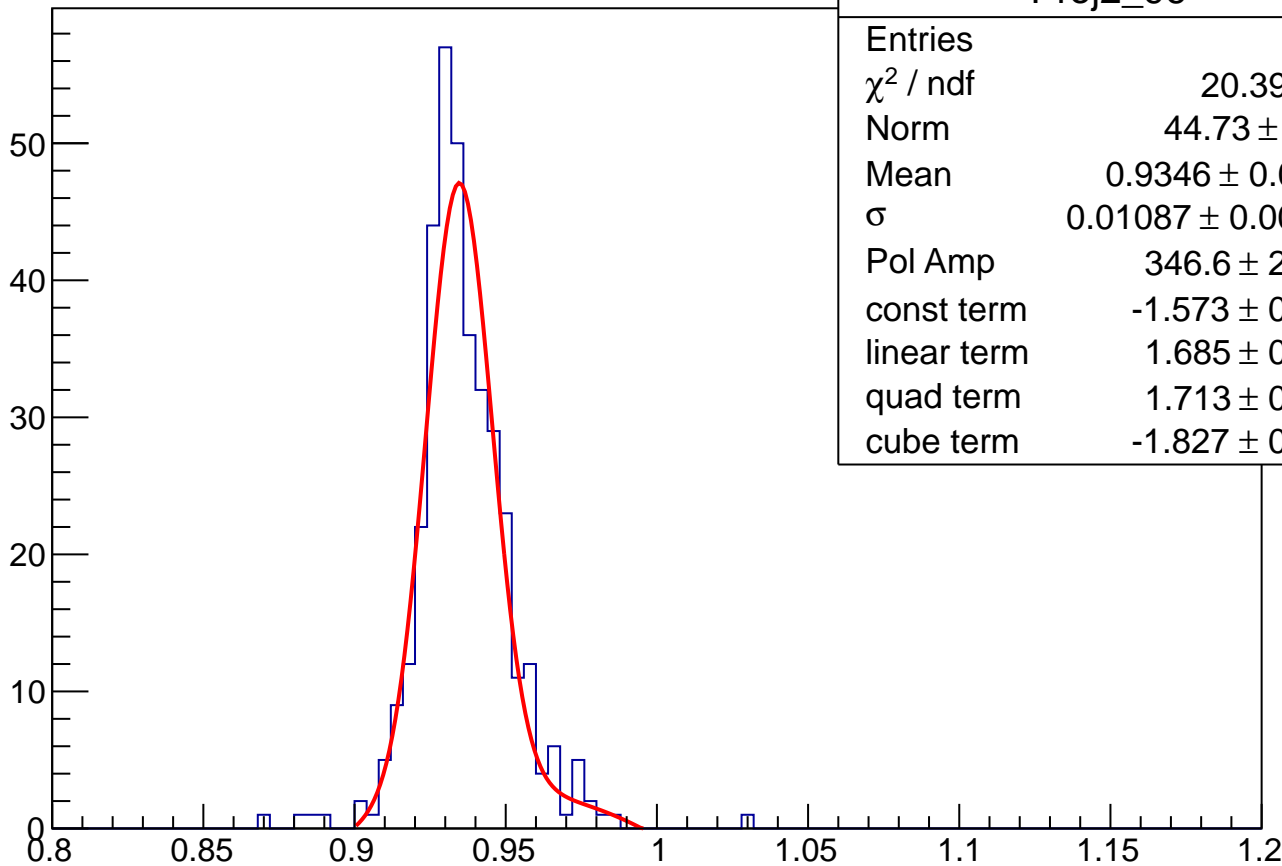
Proj2\_94

Entries	485
$\chi^2 / \text{ndf}$	13.99 / 14
Norm	$59.47 \pm 3.81$
Mean	$0.9317 \pm 0.0006$
$\sigma$	$0.0115 \pm 0.0006$
Pol Amp	$367.3 \pm 0.5$
const term	$-1.815 \pm 0.333$
linear term	$1.93 \pm 0.35$
quad term	$1.941 \pm 0.352$
cube term	$-2.056 \pm 0.366$

# PhiThetaMassPim



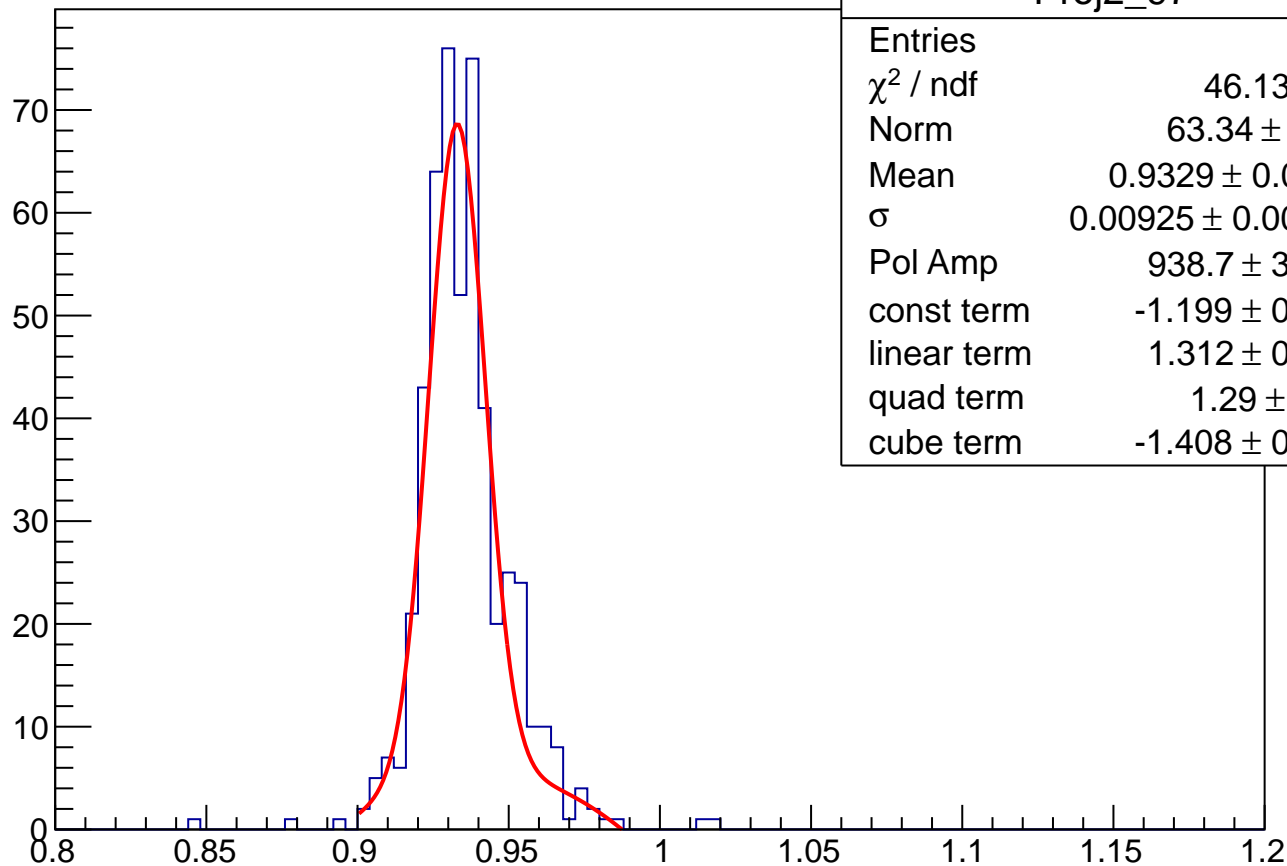
# PhiThetaMassPim



Proj2\_96

Entries	370
$\chi^2 / \text{ndf}$	20.39 / 14
Norm	$44.73 \pm 3.46$
Mean	$0.9346 \pm 0.0008$
$\sigma$	$0.01087 \pm 0.00073$
Pol Amp	$346.6 \pm 249.5$
const term	$-1.573 \pm 0.012$
linear term	$1.685 \pm 0.014$
quad term	$1.713 \pm 0.015$
cube term	$-1.827 \pm 0.014$

# PhiThetaMassPim

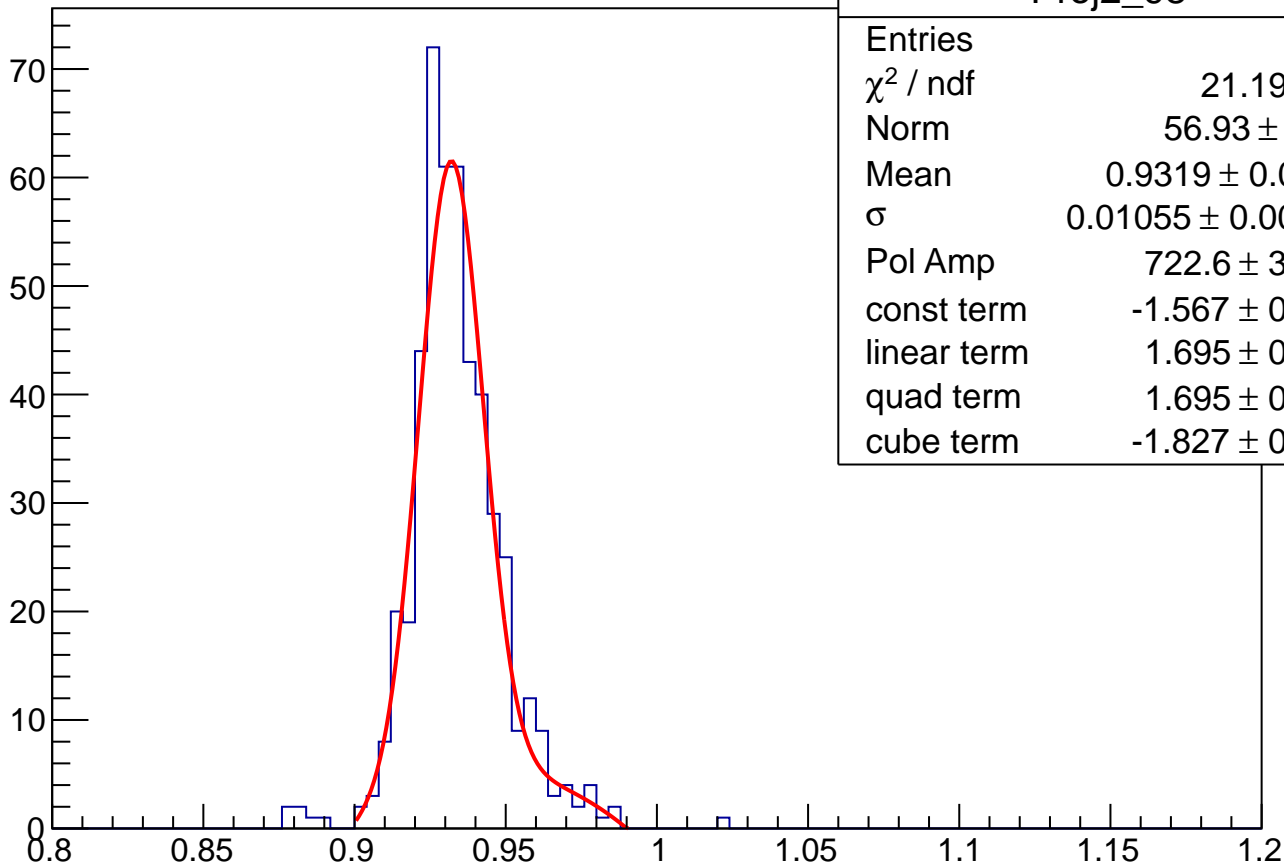


Proj2\_97

Entries	503
$\chi^2 / \text{ndf}$	46.13 / 14
Norm	$63.34 \pm 4.77$
Mean	$0.9329 \pm 0.0007$
$\sigma$	$0.00925 \pm 0.00068$
Pol Amp	$938.7 \pm 374.2$
const term	$-1.199 \pm 0.005$
linear term	$1.312 \pm 0.006$
quad term	$1.29 \pm 0.01$
cube term	$-1.408 \pm 0.006$



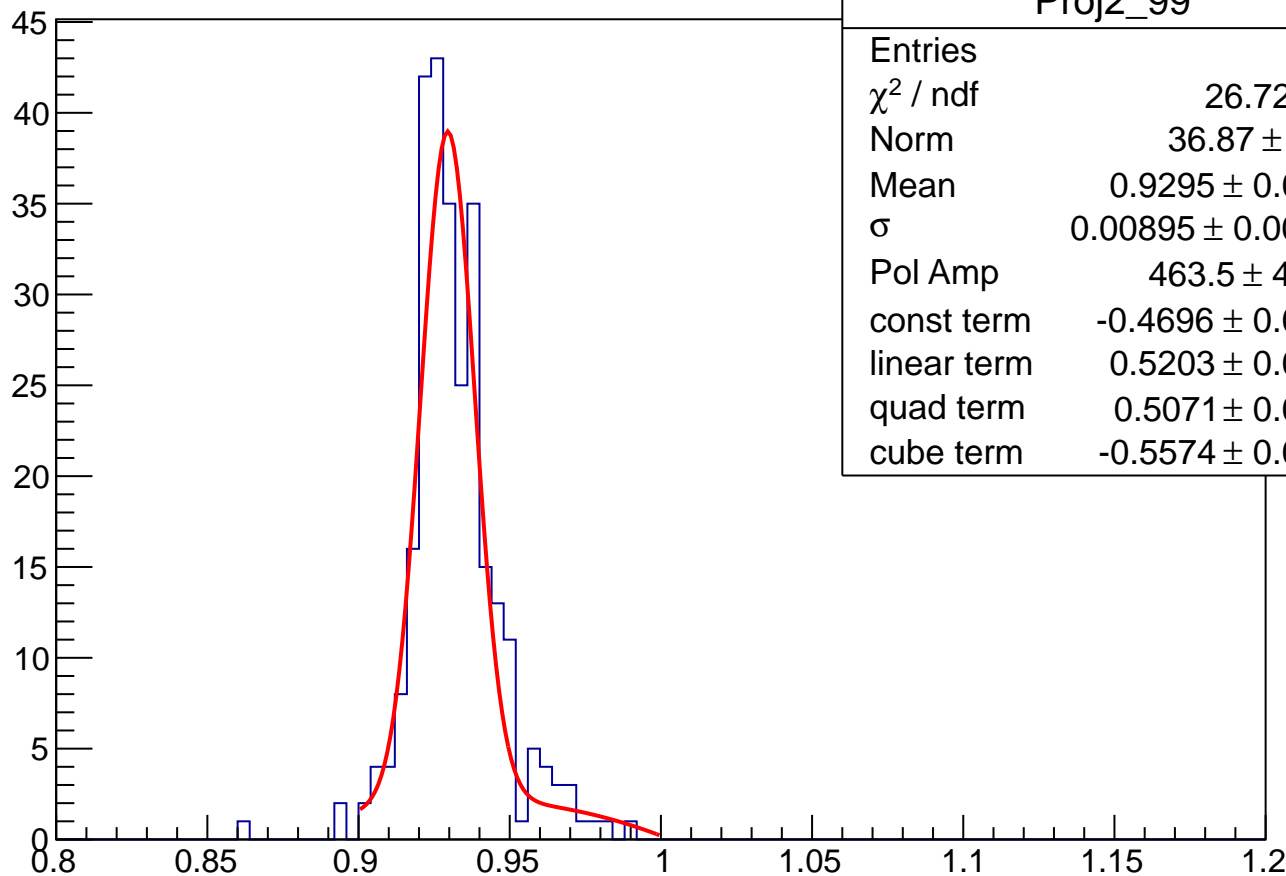
# PhiThetaMassPim



Proj2\_98

Entries	480
$\chi^2 / \text{ndf}$	21.19 / 14
Norm	$56.93 \pm 4.09$
Mean	$0.9319 \pm 0.0007$
$\sigma$	$0.01055 \pm 0.00068$
Pol Amp	$722.6 \pm 318.0$
const term	$-1.567 \pm 0.007$
linear term	$1.695 \pm 0.008$
quad term	$1.695 \pm 0.008$
cube term	$-1.827 \pm 0.008$

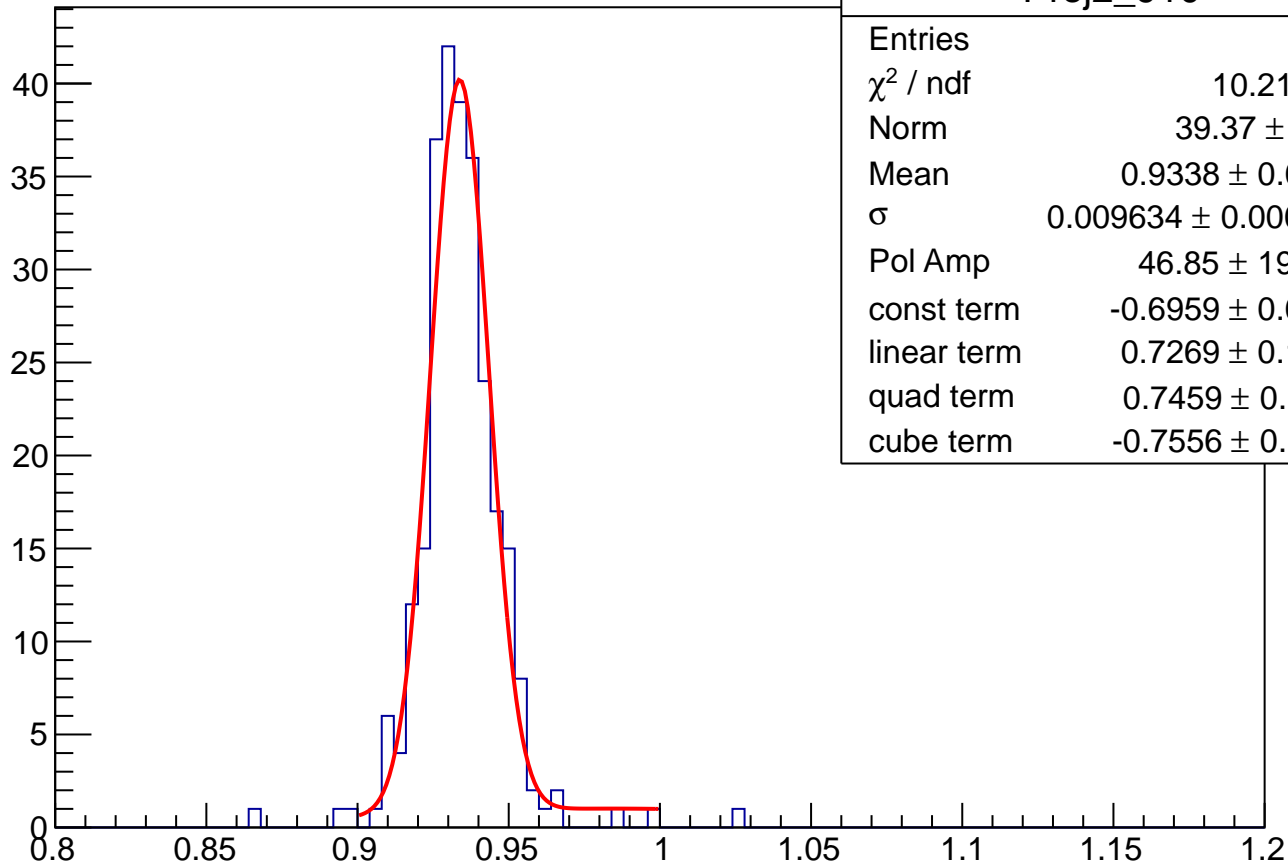
# PhiThetaMassPim



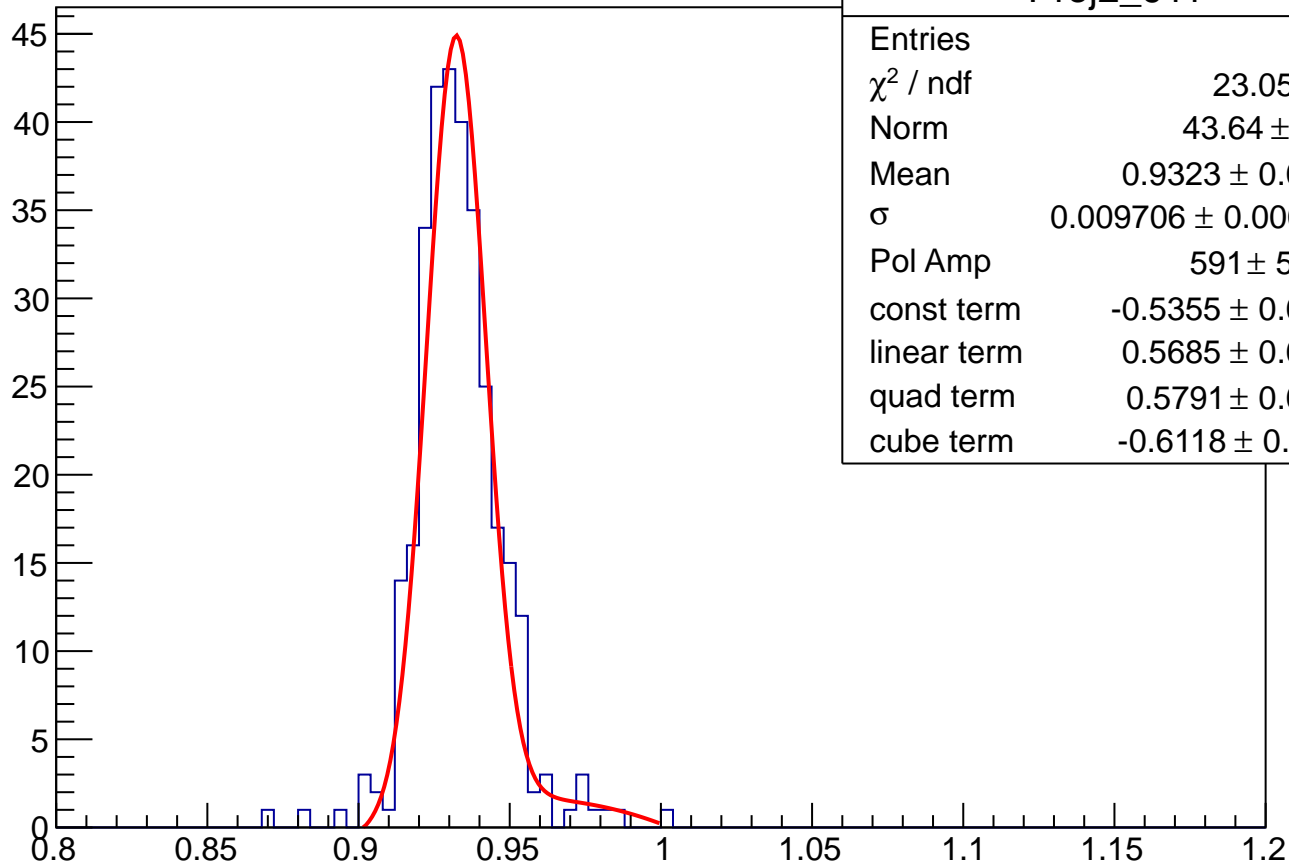
Proj2\_99

Entries	276
$\chi^2 / \text{ndf}$	26.72 / 14
Norm	$36.87 \pm 3.30$
Mean	$0.9295 \pm 0.0008$
$\sigma$	$0.00895 \pm 0.00068$
Pol Amp	$463.5 \pm 491.3$
const term	$-0.4696 \pm 0.0088$
linear term	$0.5203 \pm 0.0096$
quad term	$0.5071 \pm 0.0099$
cube term	$-0.5574 \pm 0.0095$

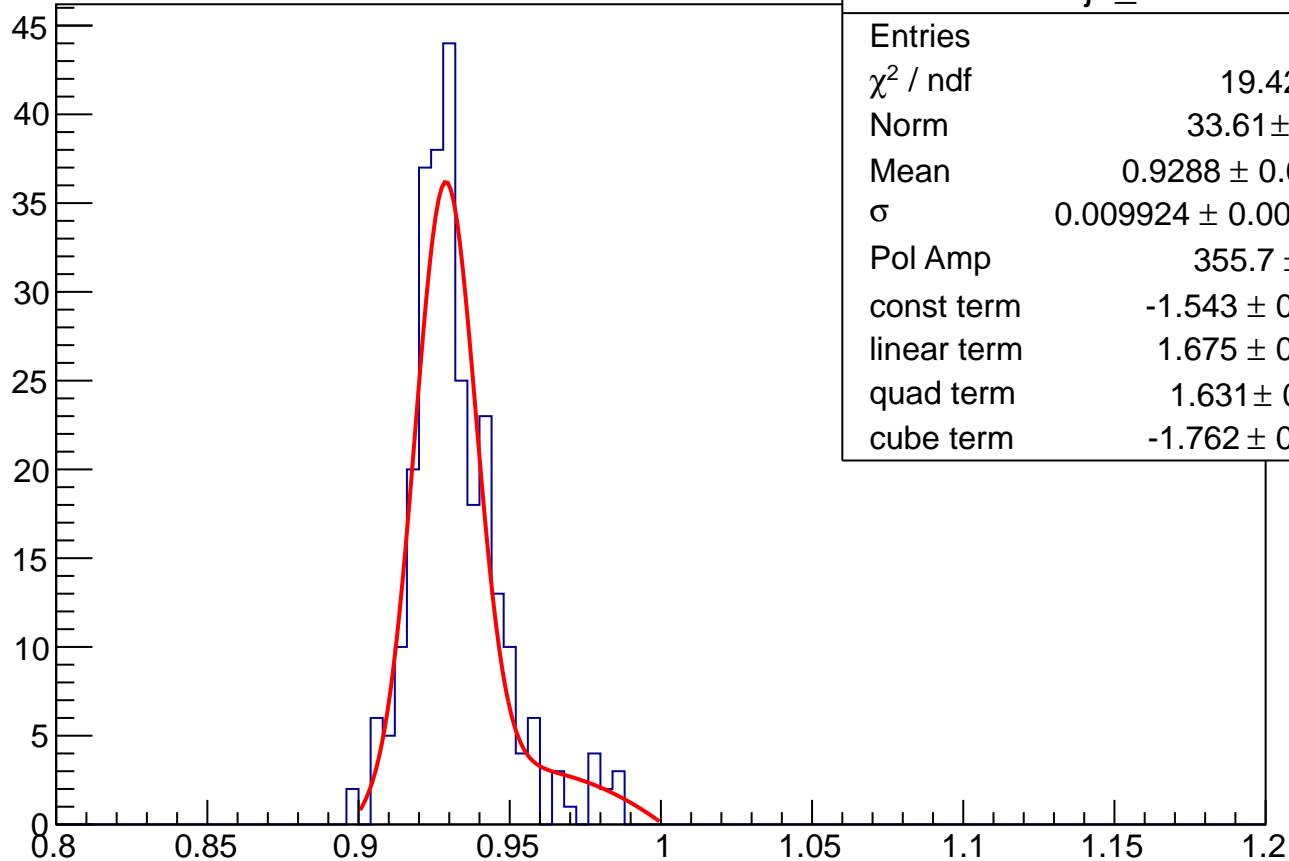
# PhiThetaMassPim



# PhiThetaMassPim



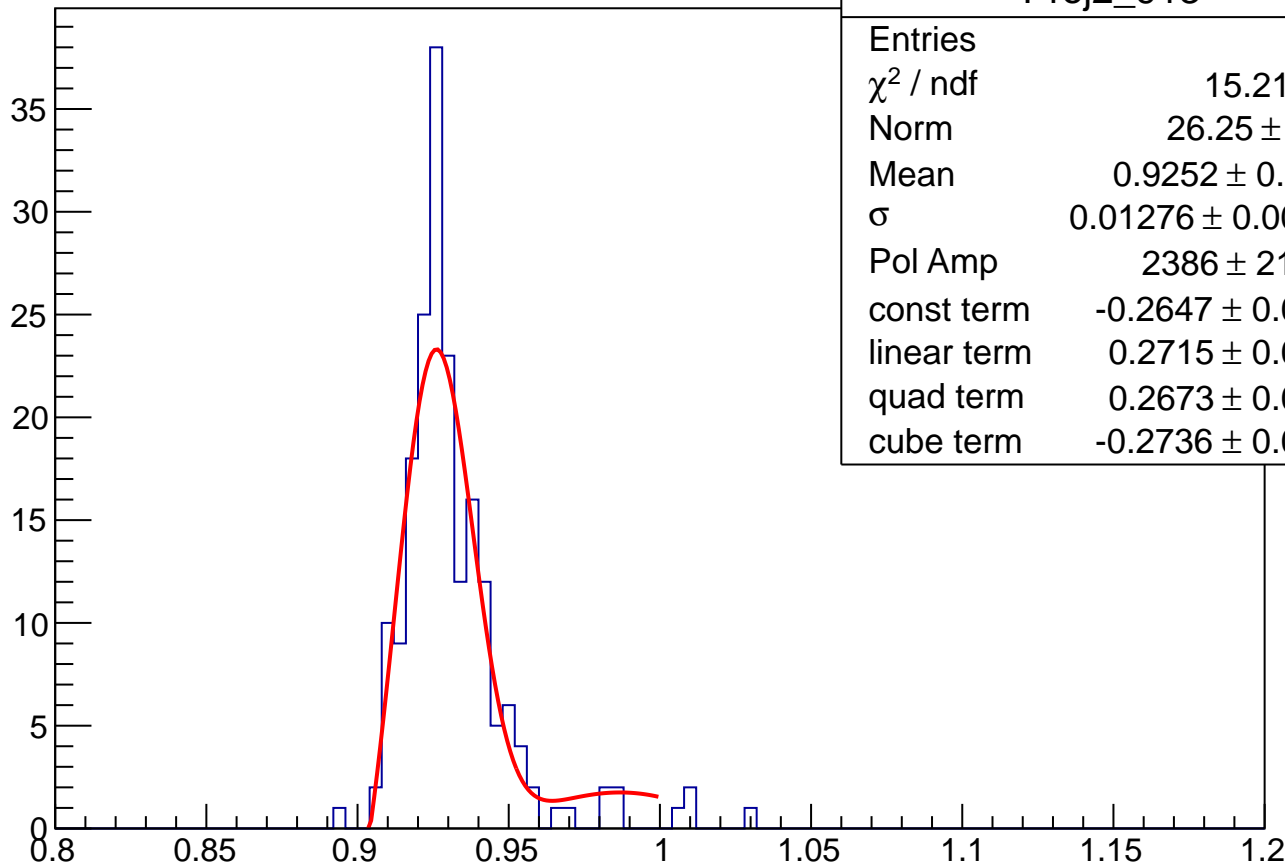
# PhiThetaMassPim



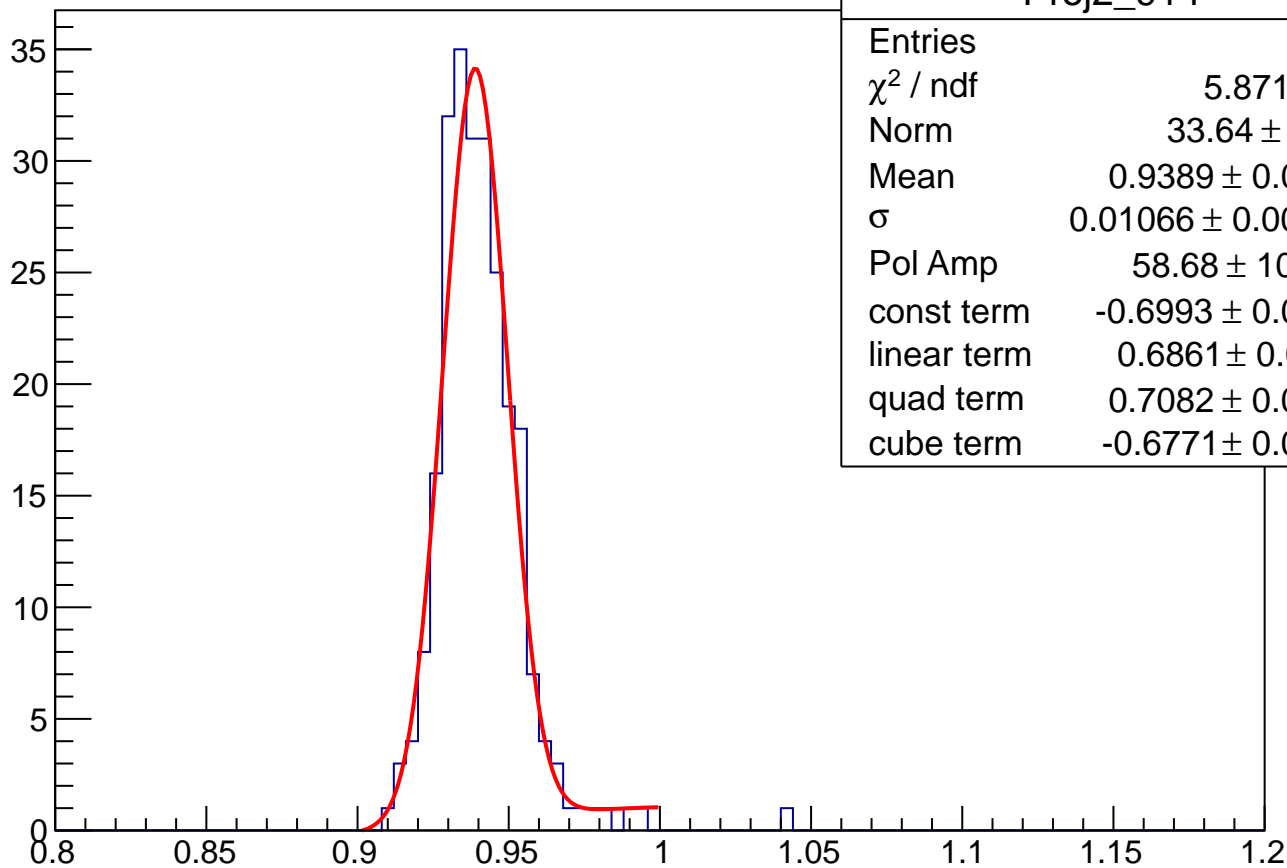
Proj2\_912

Entries	274
$\chi^2 / \text{ndf}$	19.42 / 11
Norm	$33.61 \pm 3.41$
Mean	$0.9288 \pm 0.0009$
$\sigma$	$0.009924 \pm 0.001501$
Pol Amp	$355.7 \pm 2.3$
const term	$-1.543 \pm 0.583$
linear term	$1.675 \pm 0.583$
quad term	$1.631 \pm 0.591$
cube term	$-1.762 \pm 0.593$

# PhiThetaMassPim



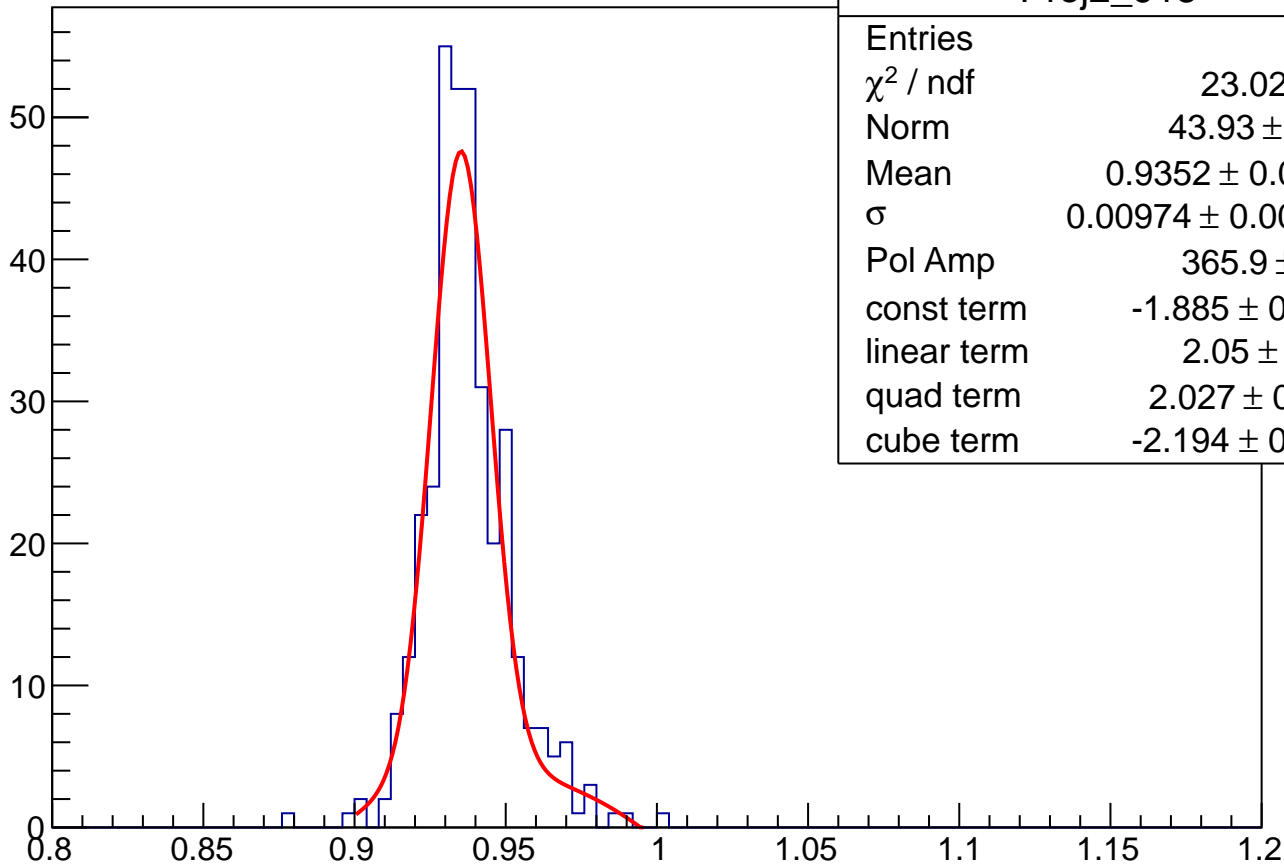
# PhiThetaMassPim



Proj2\_914

Entries	244
$\chi^2 / \text{ndf}$	5.871 / 13
Norm	$33.64 \pm 2.83$
Mean	$0.9389 \pm 0.0008$
$\sigma$	$0.01066 \pm 0.00078$
Pol Amp	$58.68 \pm 102.01$
const term	$-0.6993 \pm 0.0657$
linear term	$0.6861 \pm 0.0701$
quad term	$0.7082 \pm 0.0740$
cube term	$-0.6771 \pm 0.0772$

# PhiThetaMassPim

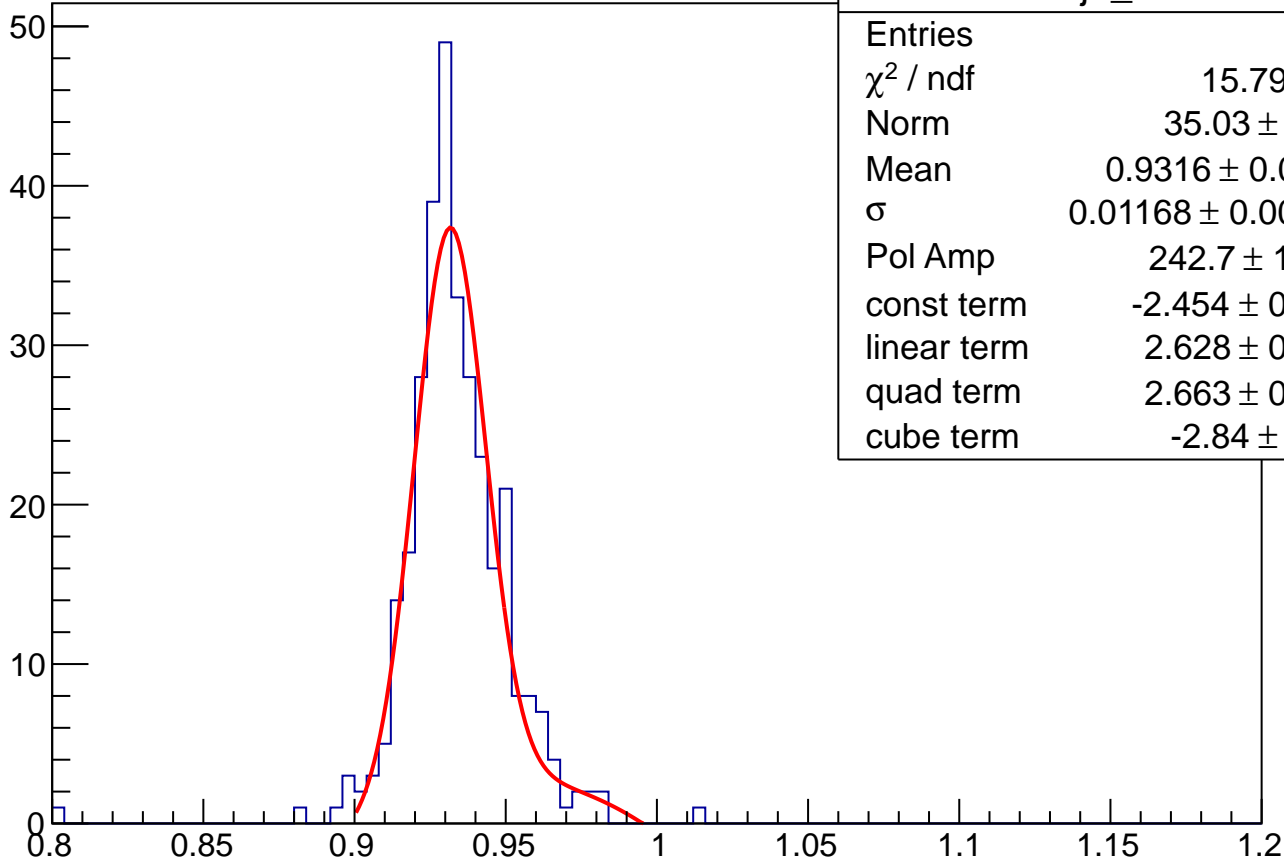


Proj2\_915

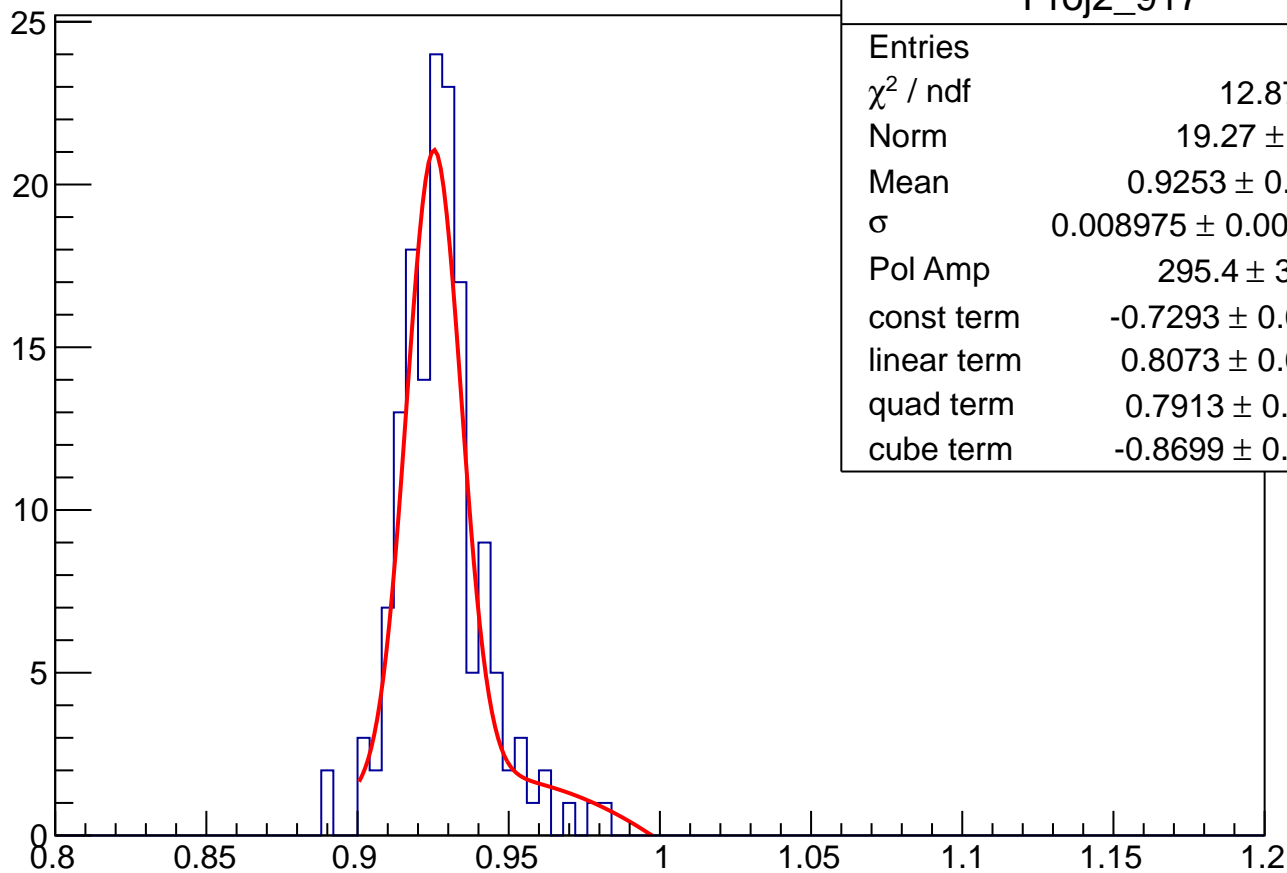
Entries	354
$\chi^2 / \text{ndf}$	23.02 / 13
Norm	$43.93 \pm 3.81$
Mean	$0.9352 \pm 0.0007$
$\sigma$	$0.00974 \pm 0.00057$
Pol Amp	$365.9 \pm 0.5$
const term	$-1.885 \pm 0.442$
linear term	$2.05 \pm 0.47$
quad term	$2.027 \pm 0.471$
cube term	$-2.194 \pm 0.502$



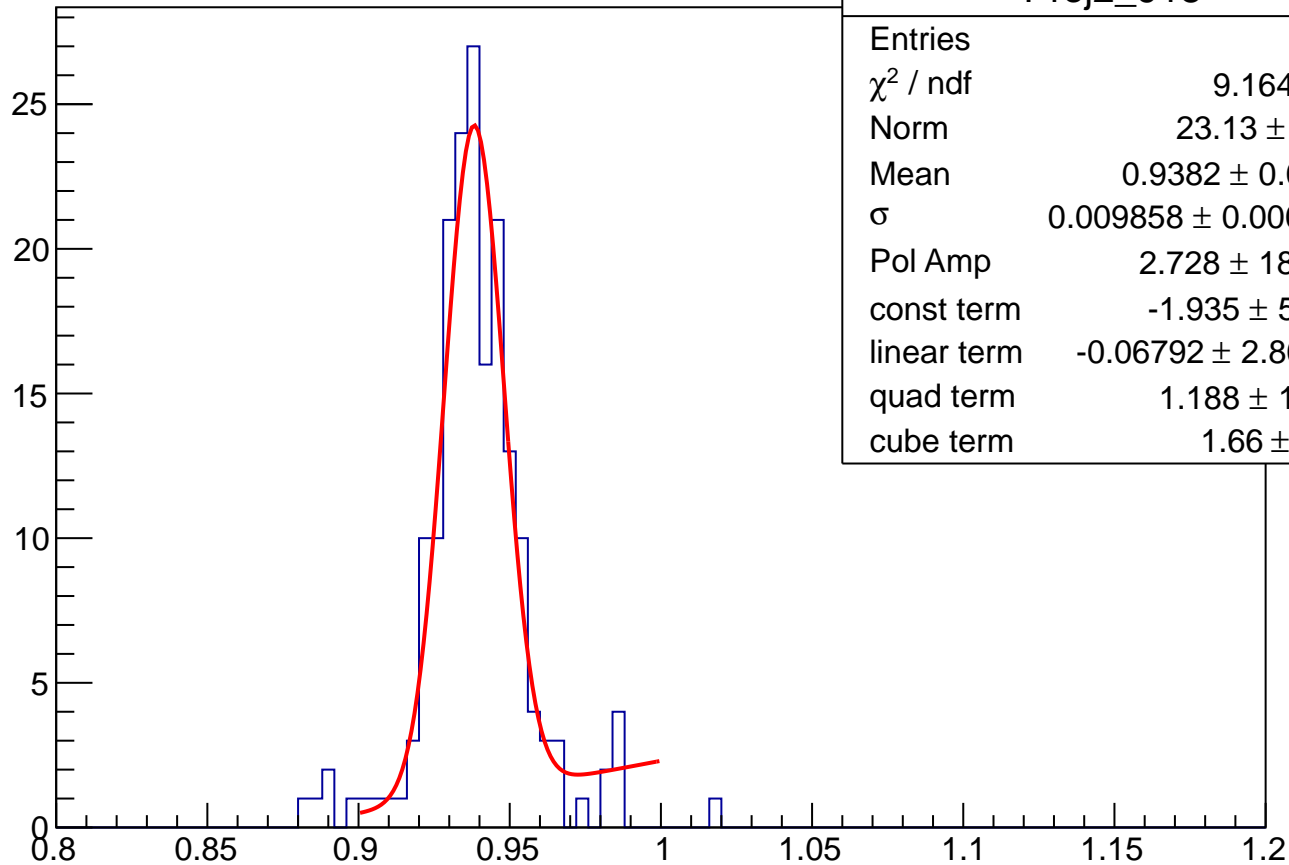
# PhiThetaMassPim



# PhiThetaMassPim



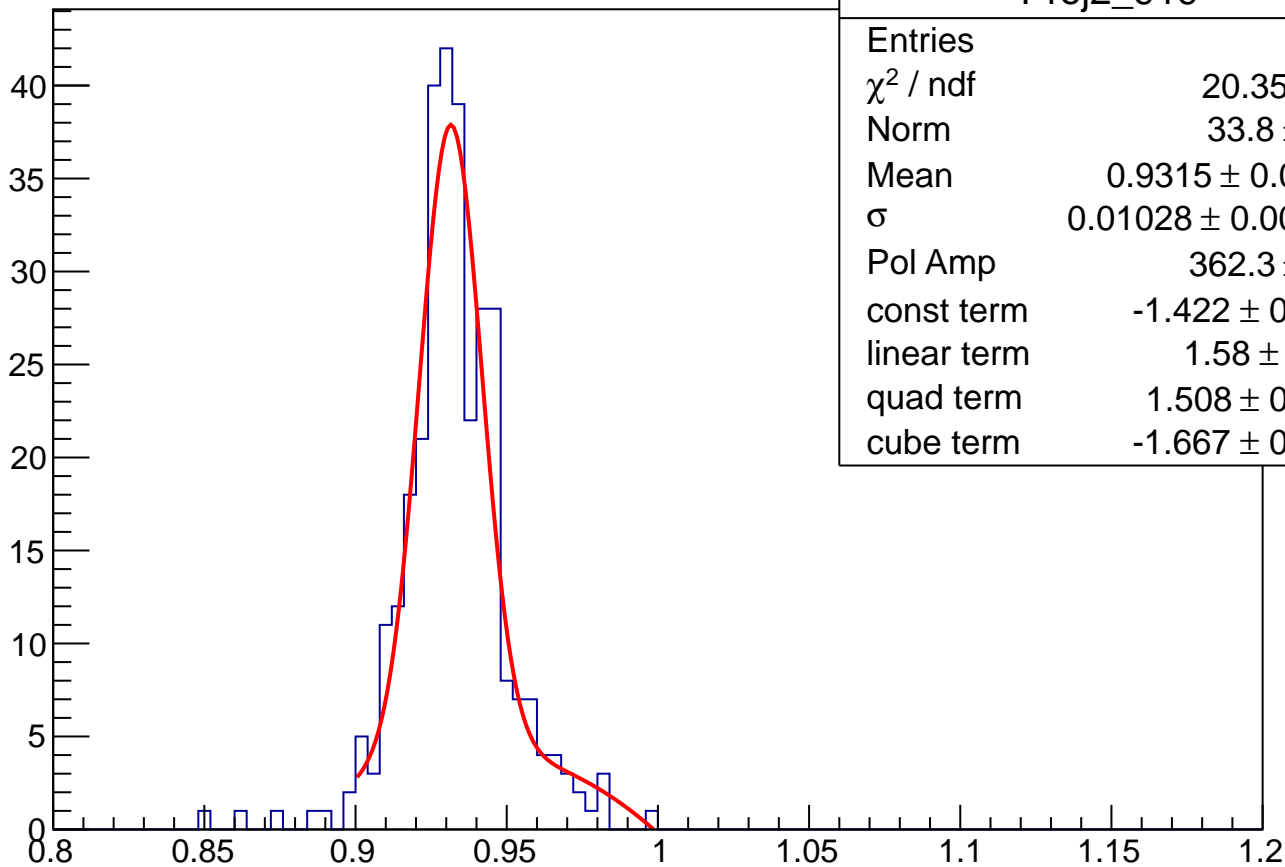
# PhiThetaMassPim



Proj2\_918

Entries	182
$\chi^2 / \text{ndf}$	9.164 / 12
Norm	$23.13 \pm 2.49$
Mean	$0.9382 \pm 0.0010$
$\sigma$	$0.009858 \pm 0.000824$
Pol Amp	$2.728 \pm 18.205$
const term	$-1.935 \pm 5.080$
linear term	$-0.06792 \pm 2.80034$
quad term	$1.188 \pm 1.854$
cube term	$1.66 \pm 9.31$

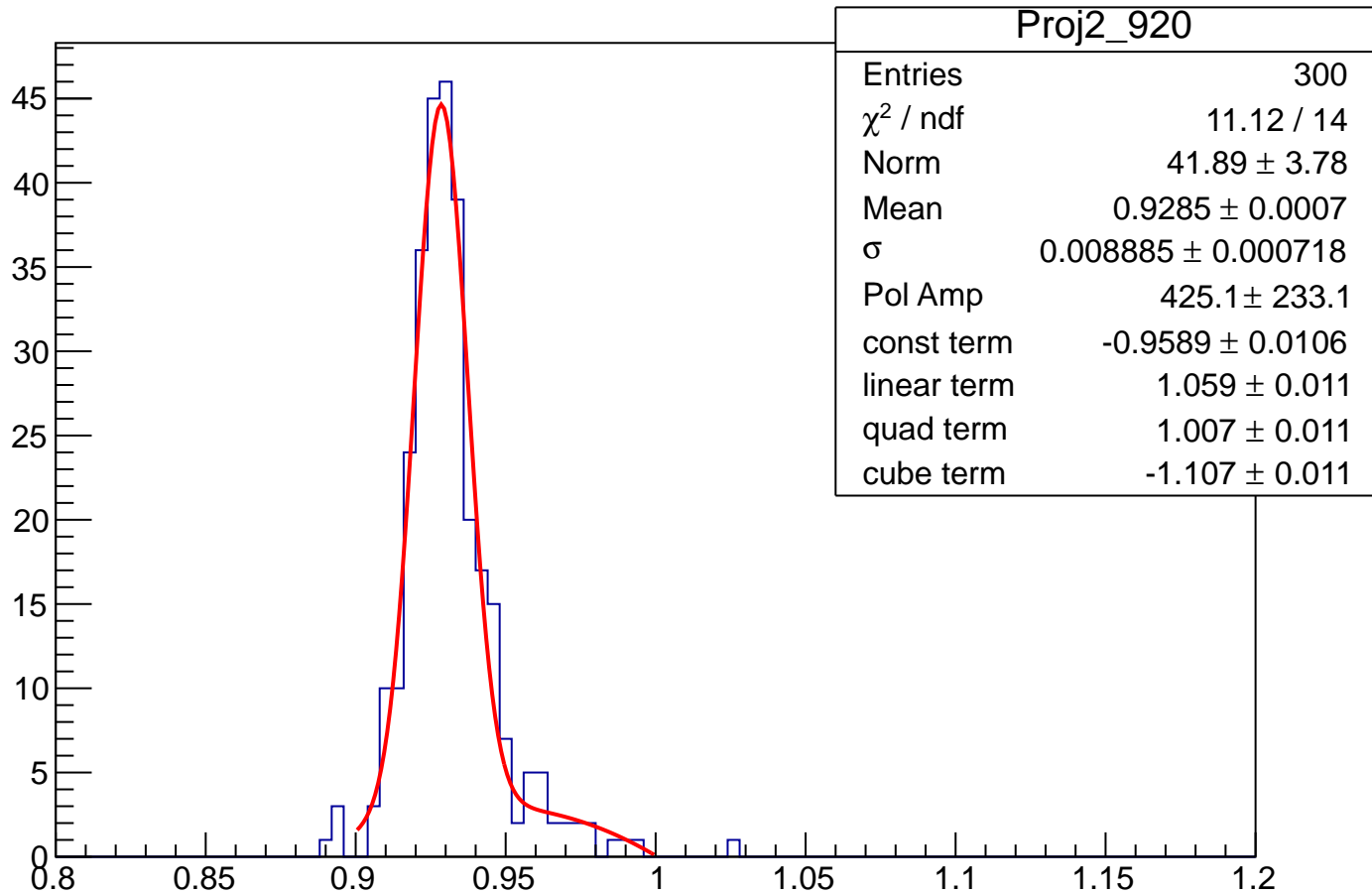
# PhiThetaMassPim



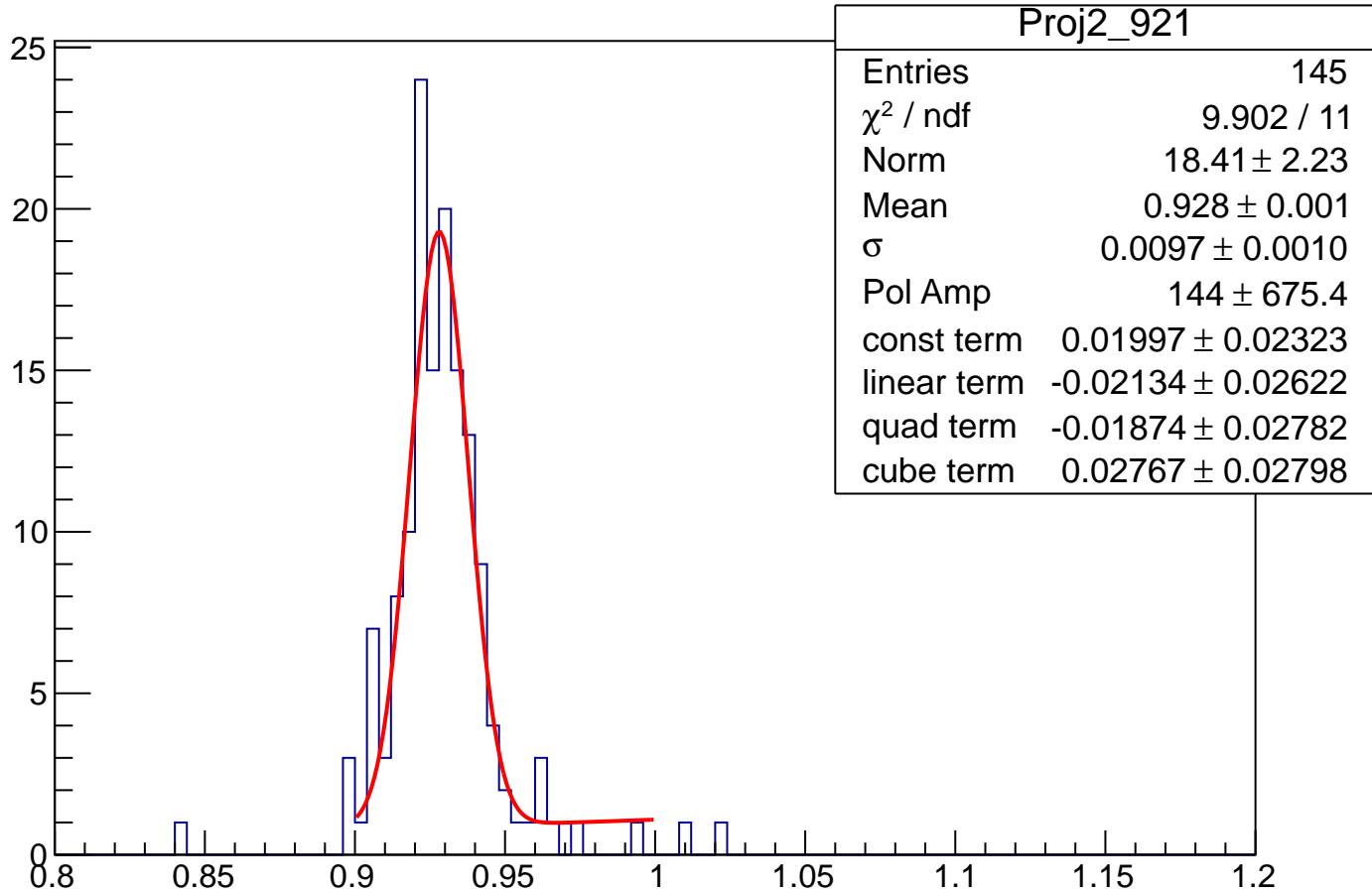
Proj2\_919

Entries	316
$\chi^2 / \text{ndf}$	20.35 / 14
Norm	$33.8 \pm 3.1$
Mean	$0.9315 \pm 0.0010$
$\sigma$	$0.01028 \pm 0.00093$
Pol Amp	$362.3 \pm 1.1$
const term	$-1.422 \pm 0.367$
linear term	$1.58 \pm 0.38$
quad term	$1.508 \pm 0.376$
cube term	$-1.667 \pm 0.390$

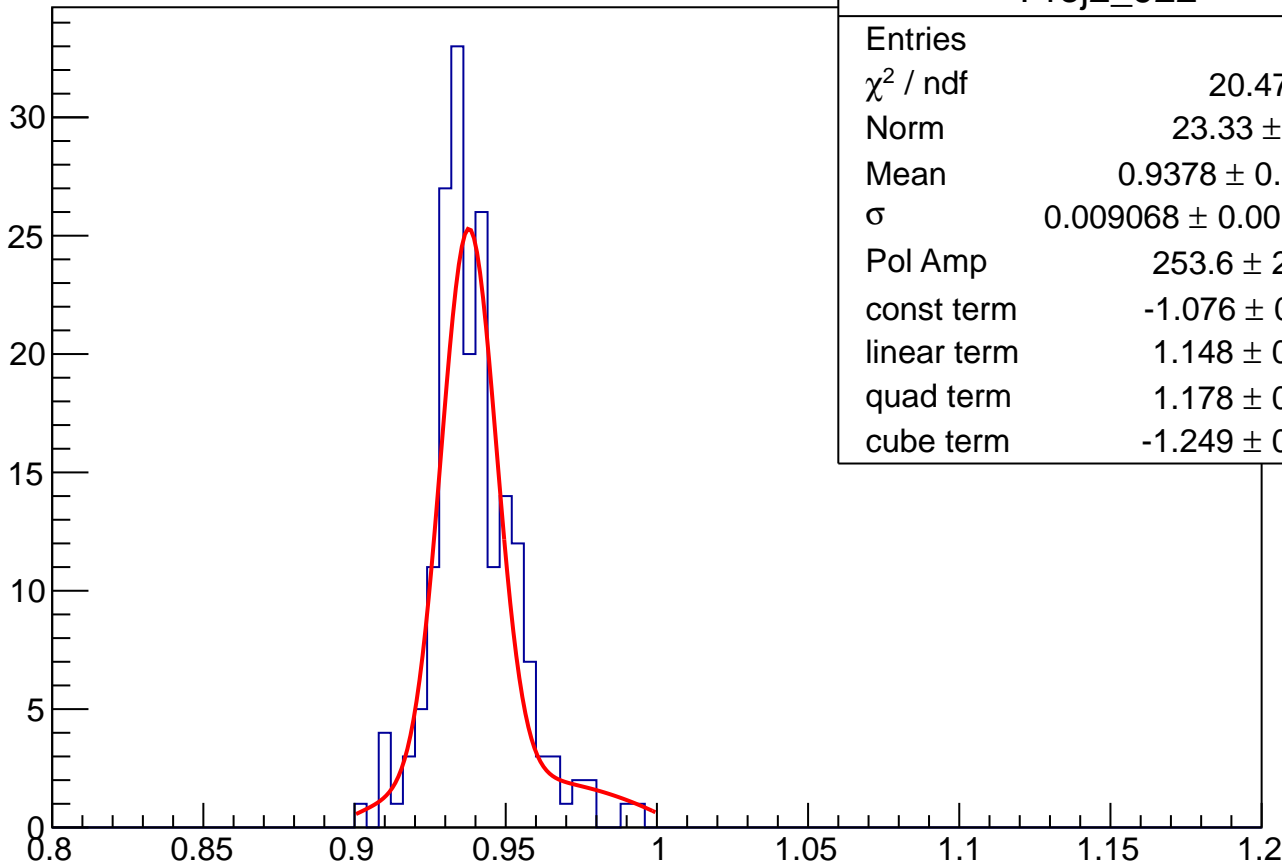
# PhiThetaMassPim



# PhiThetaMassPim



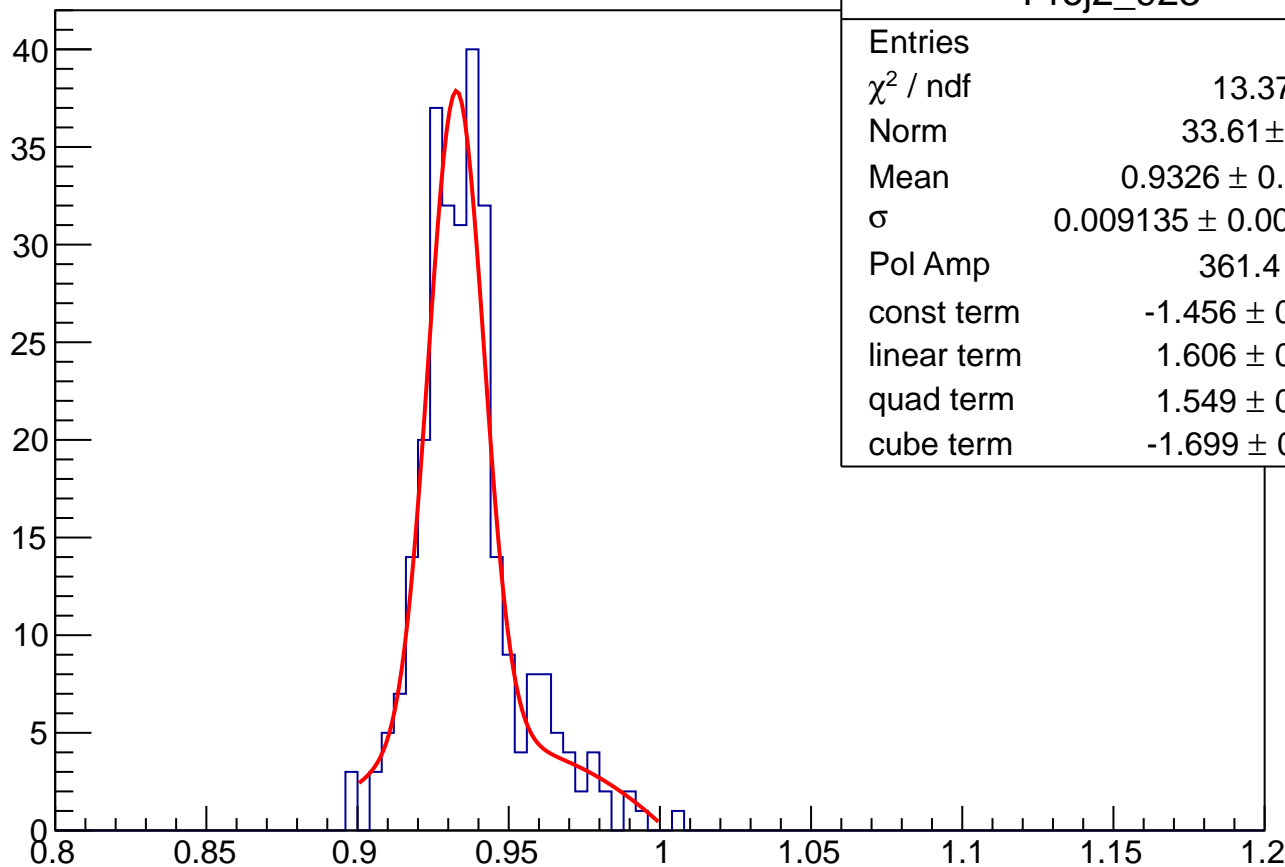
# PhiThetaMassPim



Proj2\_922

Entries	188
$\chi^2 / \text{ndf}$	20.47 / 13
Norm	$23.33 \pm 2.97$
Mean	$0.9378 \pm 0.0013$
$\sigma$	$0.009068 \pm 0.001243$
Pol Amp	$253.6 \pm 250.8$
const term	$-1.076 \pm 0.014$
linear term	$1.148 \pm 0.017$
quad term	$1.178 \pm 0.018$
cube term	$-1.249 \pm 0.016$

# PhiThetaMassPim

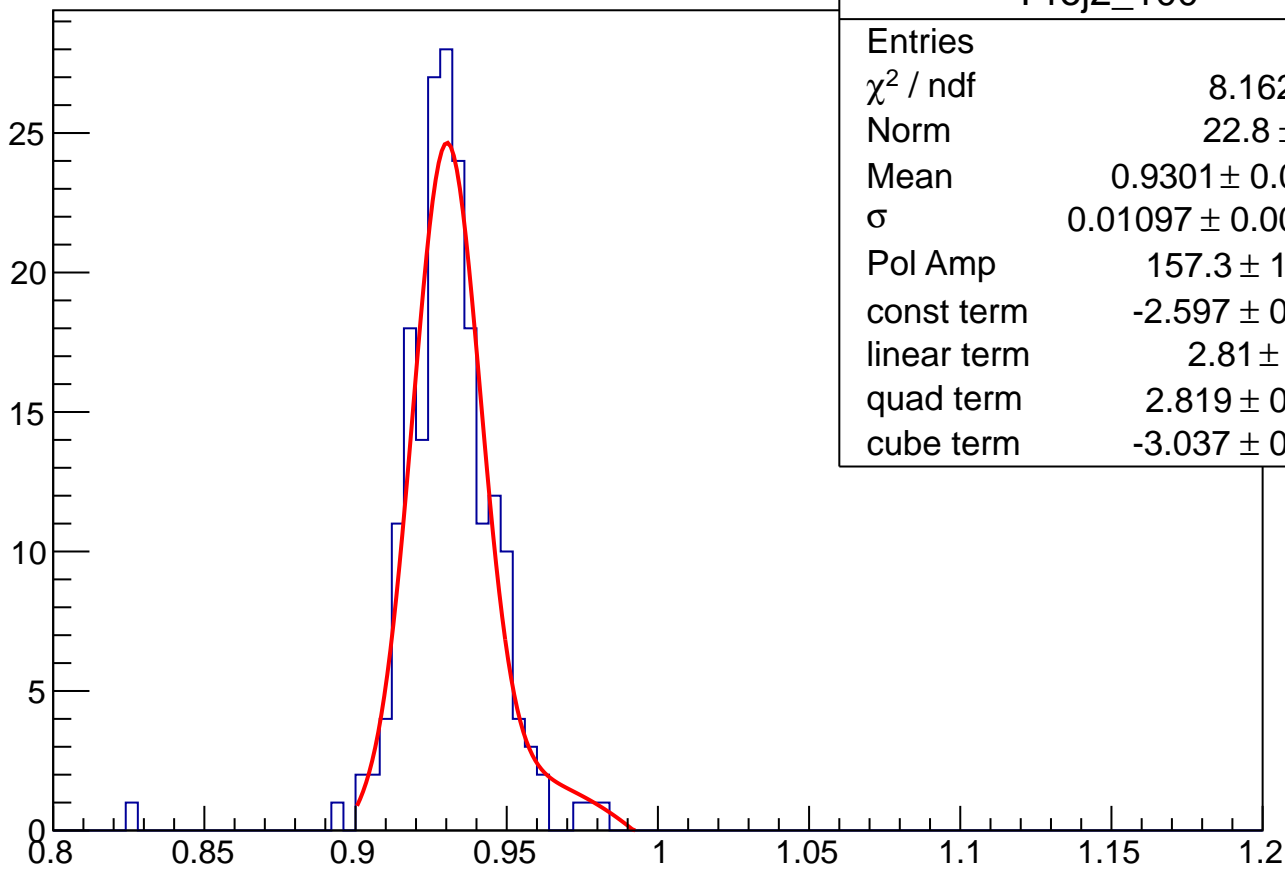


Proj2\_923

Entries	288
$\chi^2 / \text{ndf}$	13.37 / 14
Norm	$33.61 \pm 3.35$
Mean	$0.9326 \pm 0.0009$
$\sigma$	$0.009135 \pm 0.000781$
Pol Amp	$361.4 \pm 1.1$
const term	$-1.456 \pm 0.287$
linear term	$1.606 \pm 0.295$
quad term	$1.549 \pm 0.295$
cube term	$-1.699 \pm 0.304$

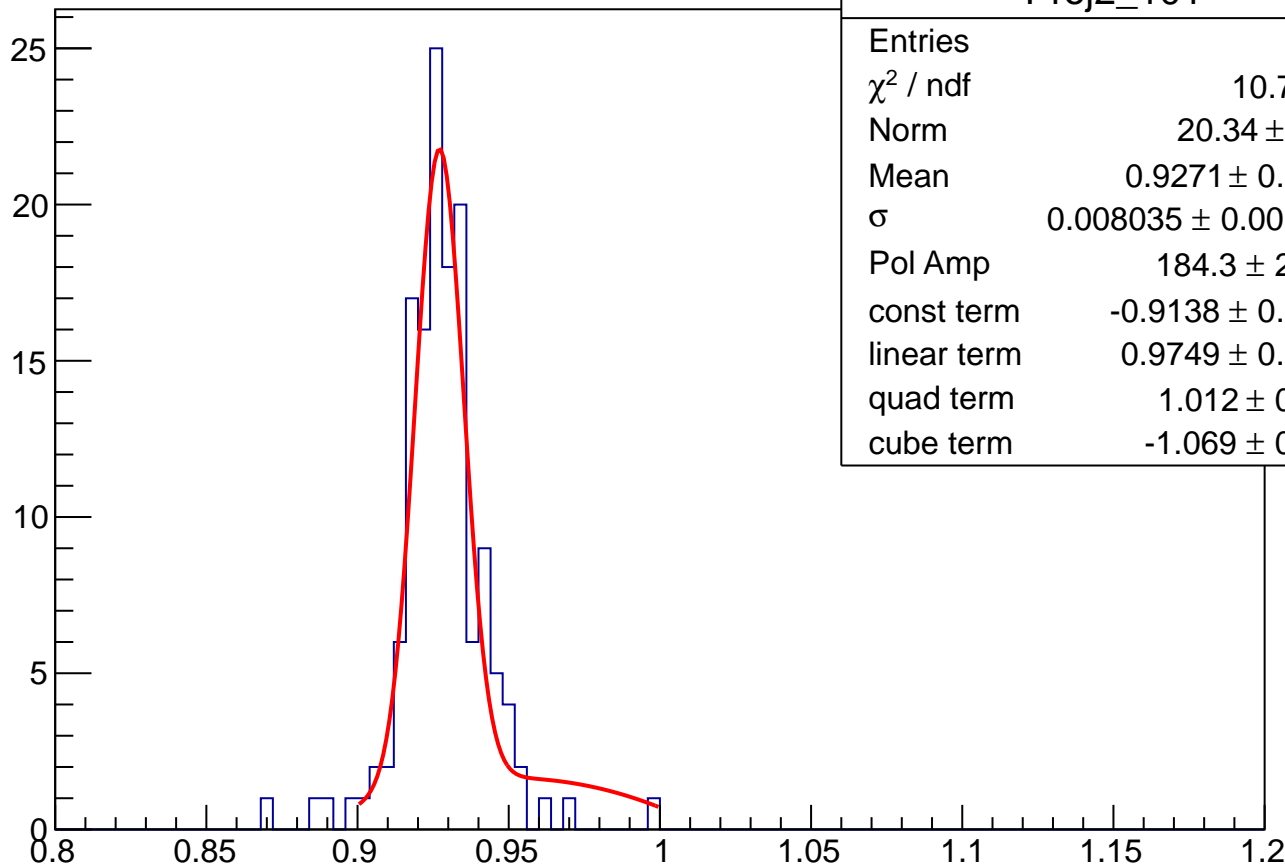


# PhiThetaMassPim

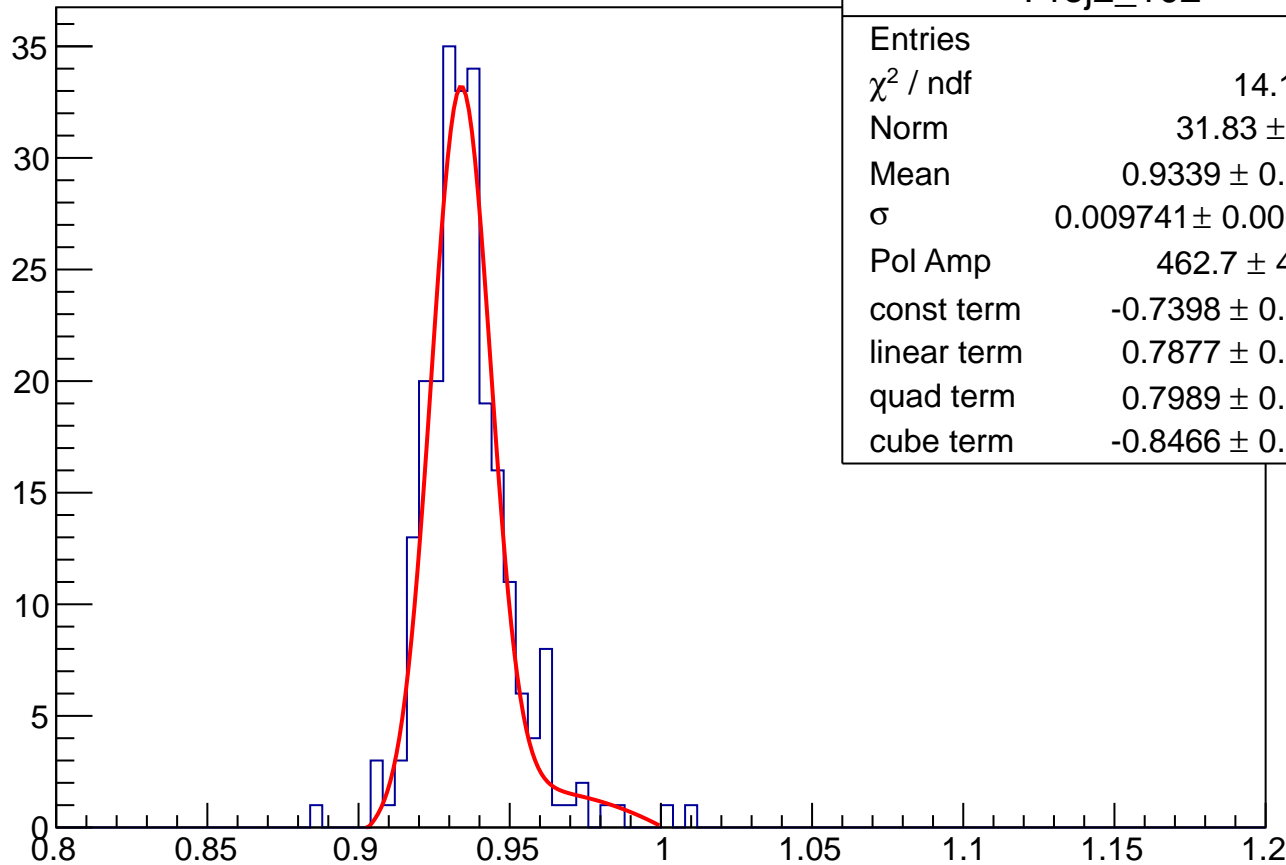


Proj2_100	
Entries	195
$\chi^2 / \text{ndf}$	8.162 / 11
Norm	$22.8 \pm 2.6$
Mean	$0.9301 \pm 0.0013$
$\sigma$	$0.01097 \pm 0.00120$
Pol Amp	$157.3 \pm 182.0$
const term	$-2.597 \pm 0.029$
linear term	$2.81 \pm 0.03$
quad term	$2.819 \pm 0.033$
cube term	$-3.037 \pm 0.033$

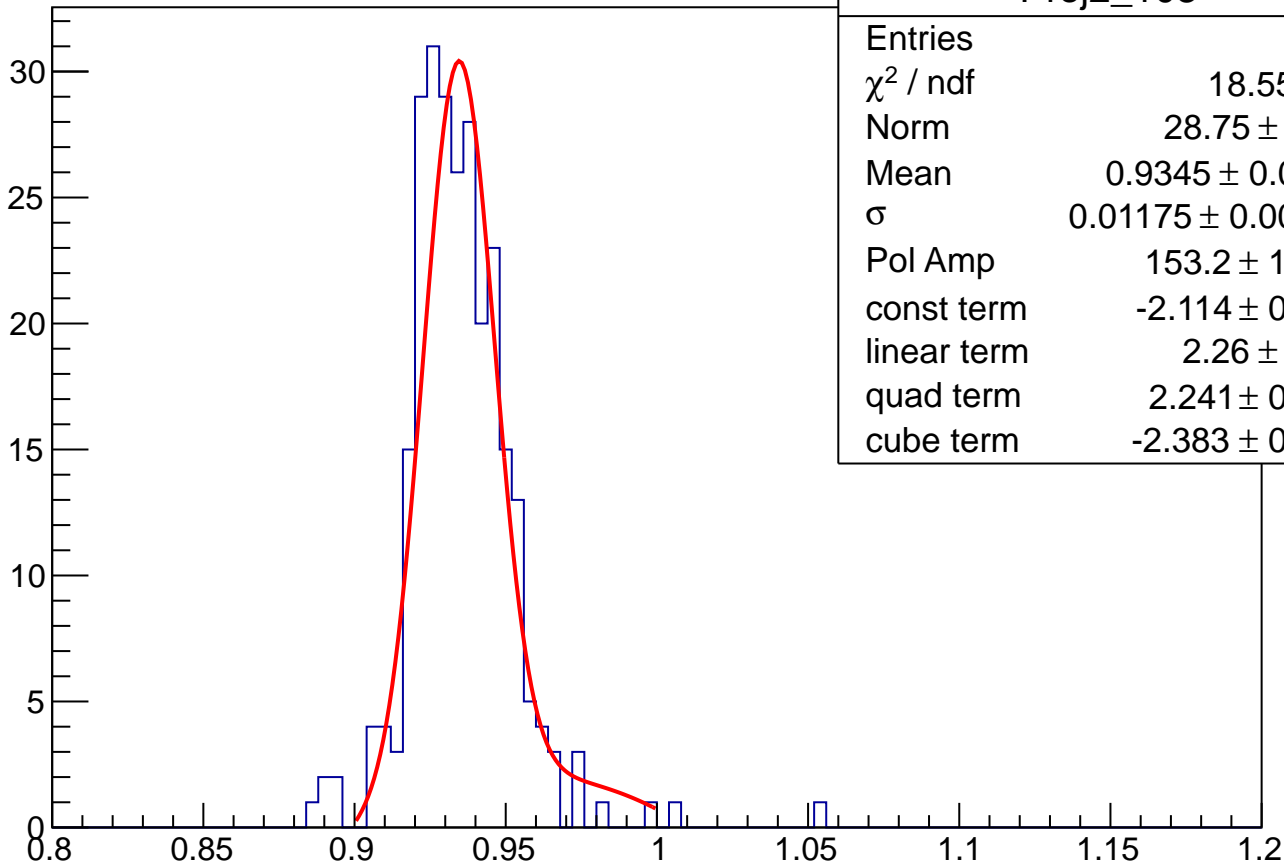
# PhiThetaMassPim



# PhiThetaMassPim



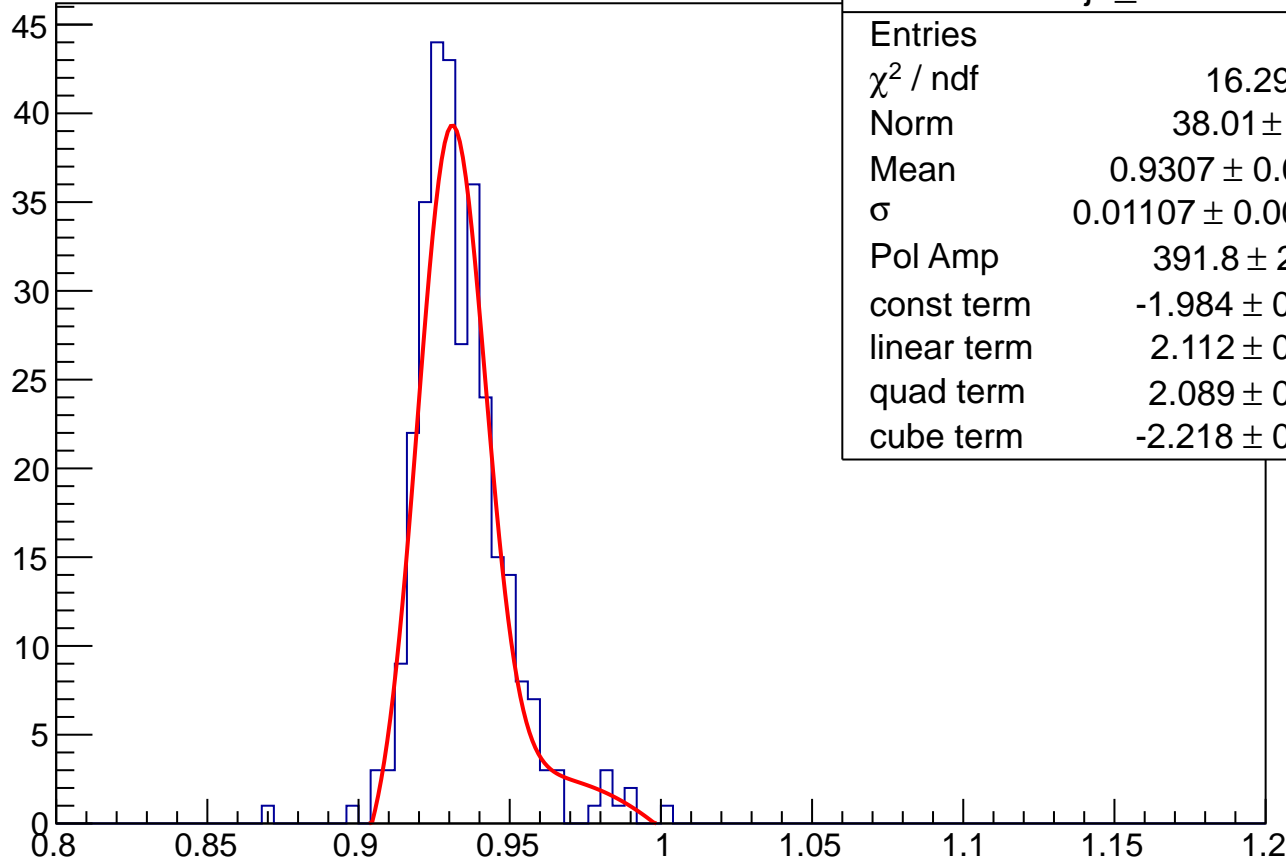
# PhiThetaMassPim



Proj2\_103

Entries	264
$\chi^2 / \text{ndf}$	18.55 / 11
Norm	$28.75 \pm 2.65$
Mean	$0.9345 \pm 0.0012$
$\sigma$	$0.01175 \pm 0.00095$
Pol Amp	$153.2 \pm 162.9$
const term	$-2.114 \pm 0.034$
linear term	$2.26 \pm 0.04$
quad term	$2.241 \pm 0.038$
cube term	$-2.383 \pm 0.037$

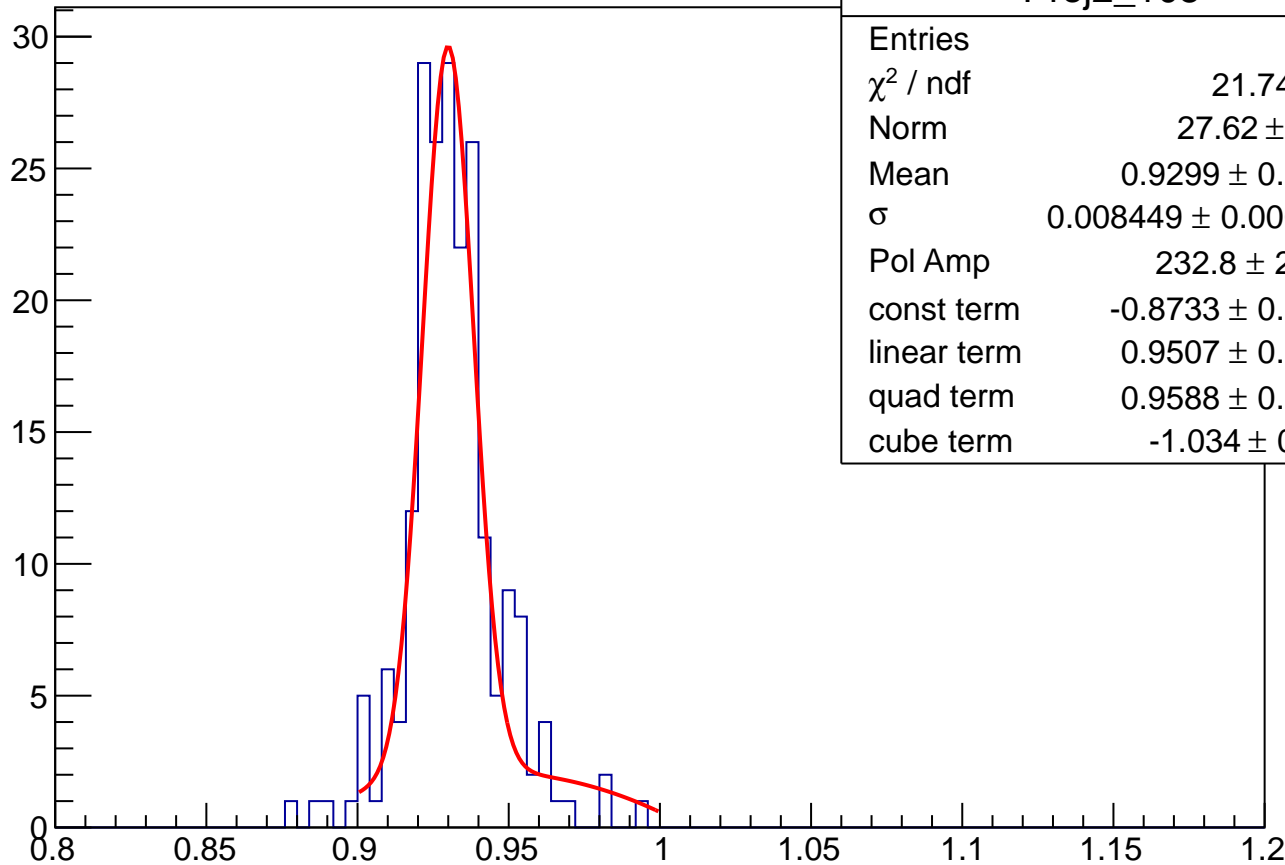
# PhiThetaMassPim



Proj2\_104

Entries	306
$\chi^2 / \text{ndf}$	16.29 / 12
Norm	$38.01 \pm 3.15$
Mean	$0.9307 \pm 0.0010$
$\sigma$	$0.01107 \pm 0.00082$
Pol Amp	$391.8 \pm 207.1$
const term	$-1.984 \pm 0.014$
linear term	$2.112 \pm 0.015$
quad term	$2.089 \pm 0.015$
cube term	$-2.218 \pm 0.015$

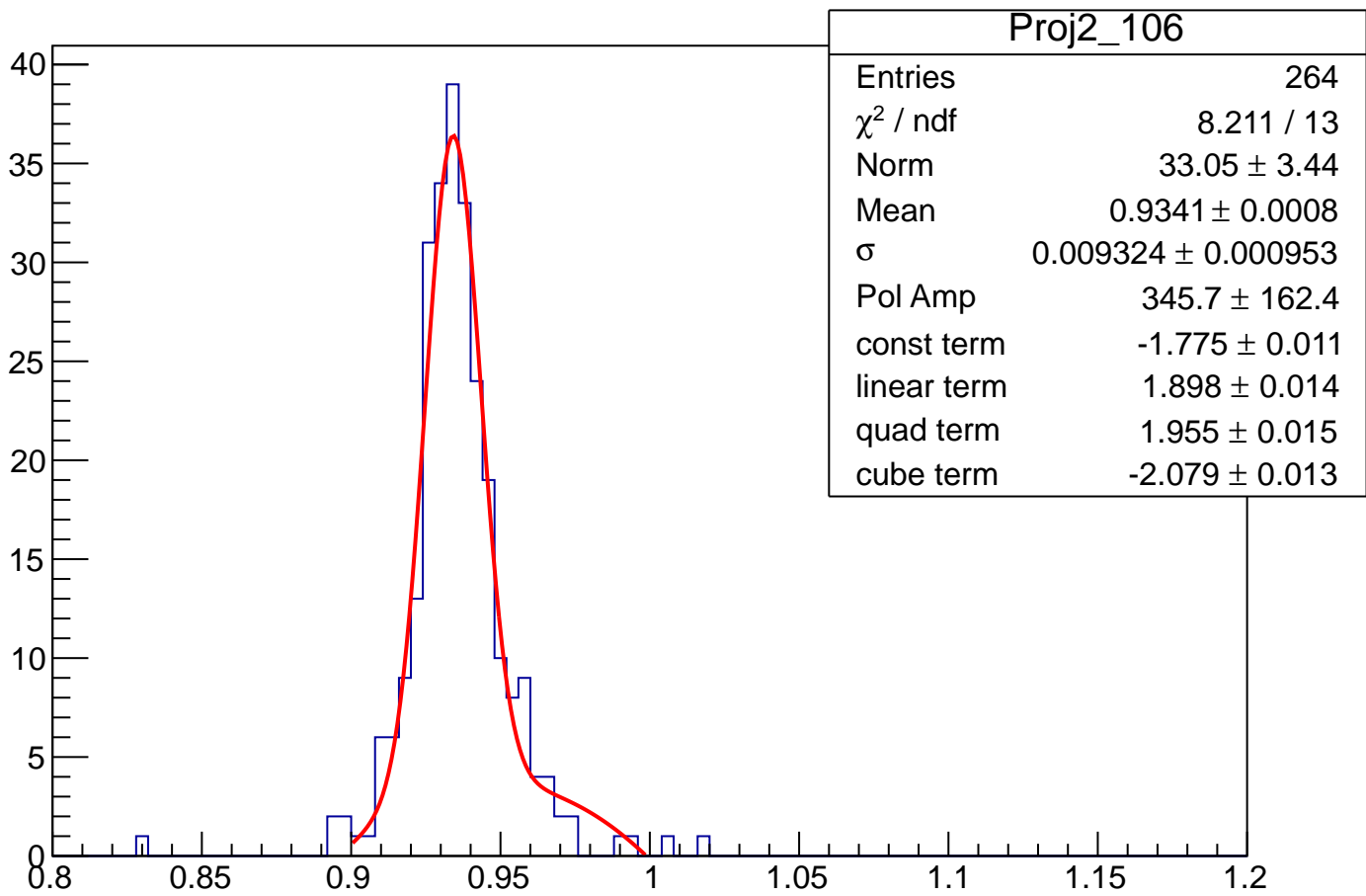
# PhiThetaMassPim



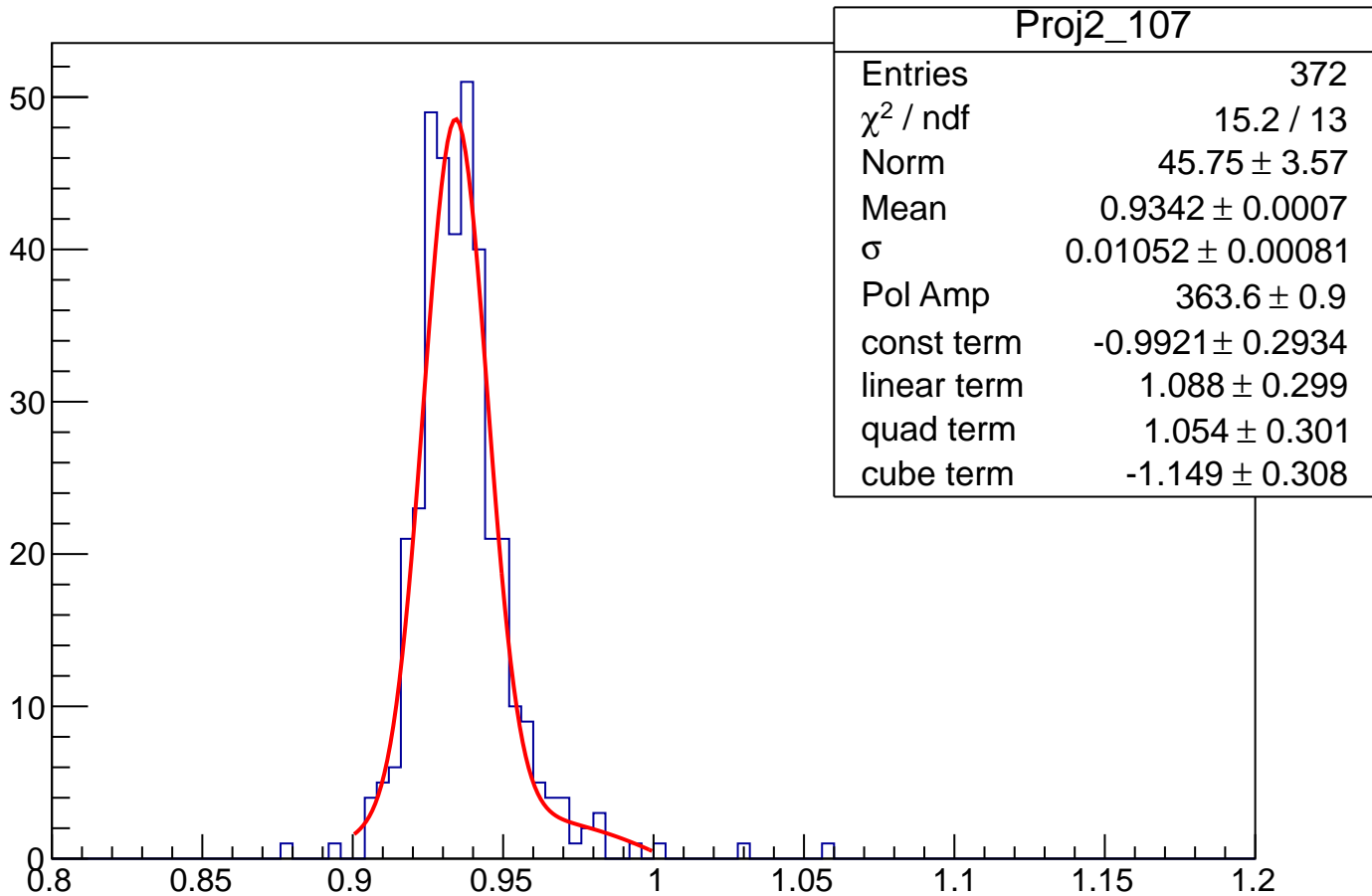
Proj2\_105

Entries	208
$\chi^2 / \text{ndf}$	21.74 / 12
Norm	$27.62 \pm 3.09$
Mean	$0.9299 \pm 0.0009$
$\sigma$	$0.008449 \pm 0.000803$
Pol Amp	$232.8 \pm 249.3$
const term	$-0.8733 \pm 0.0178$
linear term	$0.9507 \pm 0.0205$
quad term	$0.9588 \pm 0.0212$
cube term	$-1.034 \pm 0.020$

# PhiThetaMassPim

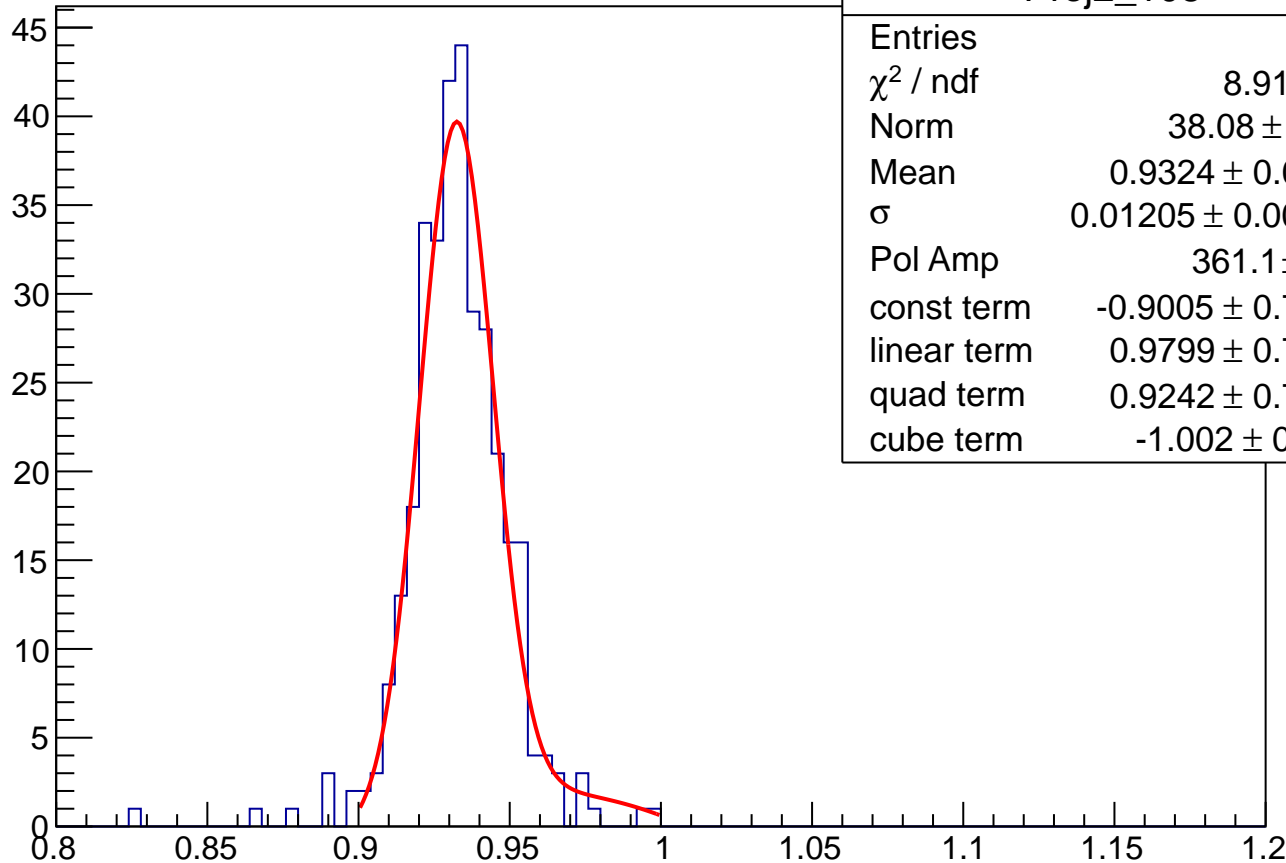


# PhiThetaMassPim





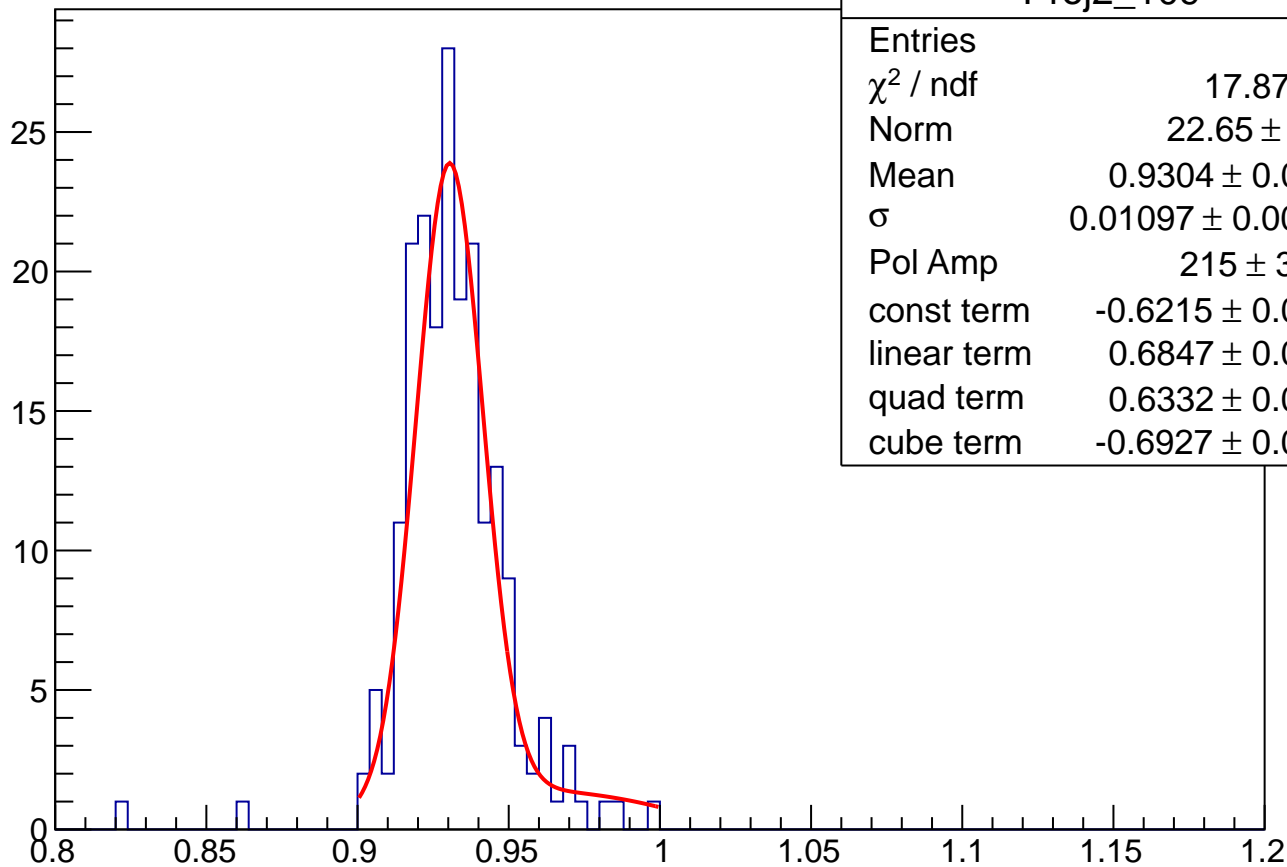
# PhiThetaMassPim



Proj2\_108

Entries	332
$\chi^2 / \text{ndf}$	8.91 / 13
Norm	$38.08 \pm 2.97$
Mean	$0.9324 \pm 0.0007$
$\sigma$	$0.01205 \pm 0.00092$
Pol Amp	$361.1 \pm 1.7$
const term	$-0.9005 \pm 0.7142$
linear term	$0.9799 \pm 0.7638$
quad term	$0.9242 \pm 0.7608$
cube term	$-1.002 \pm 0.812$

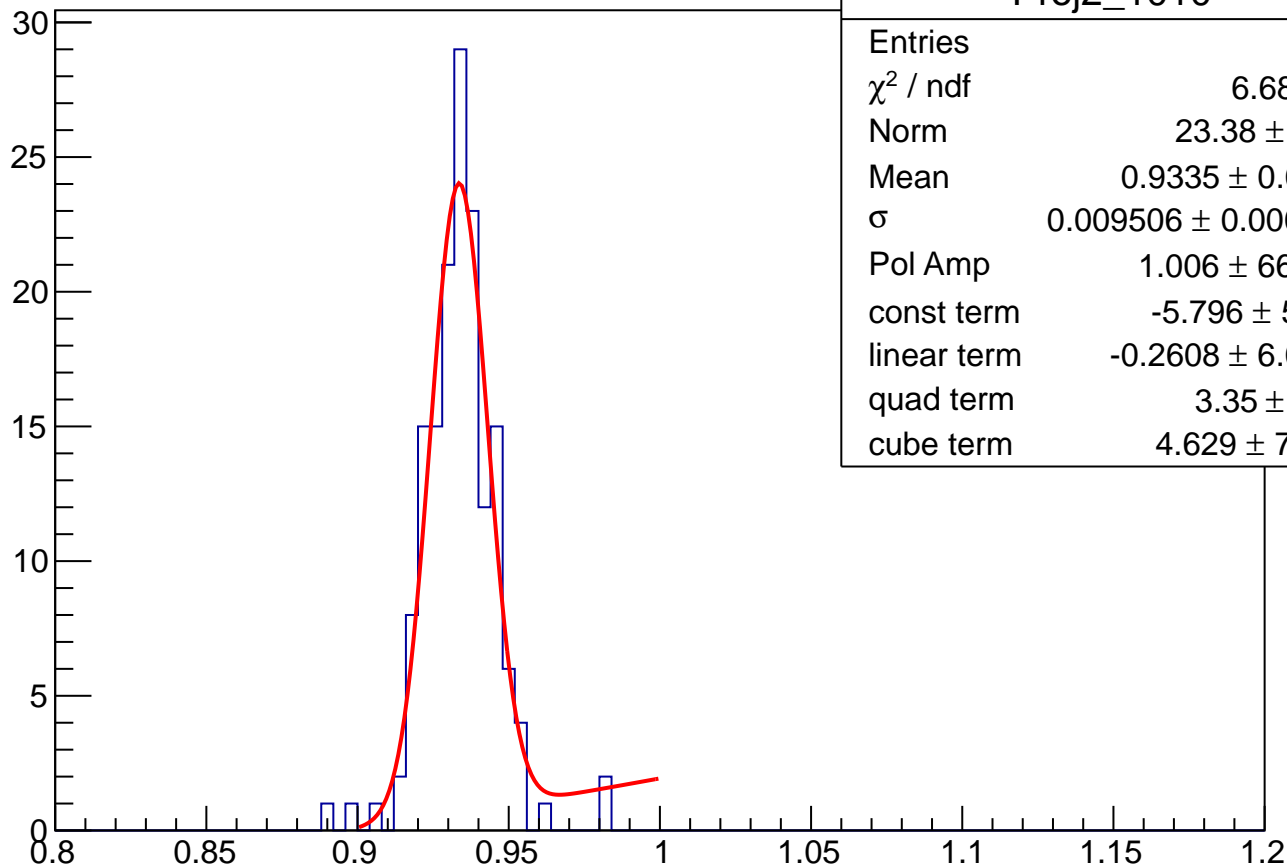
# PhiThetaMassPim



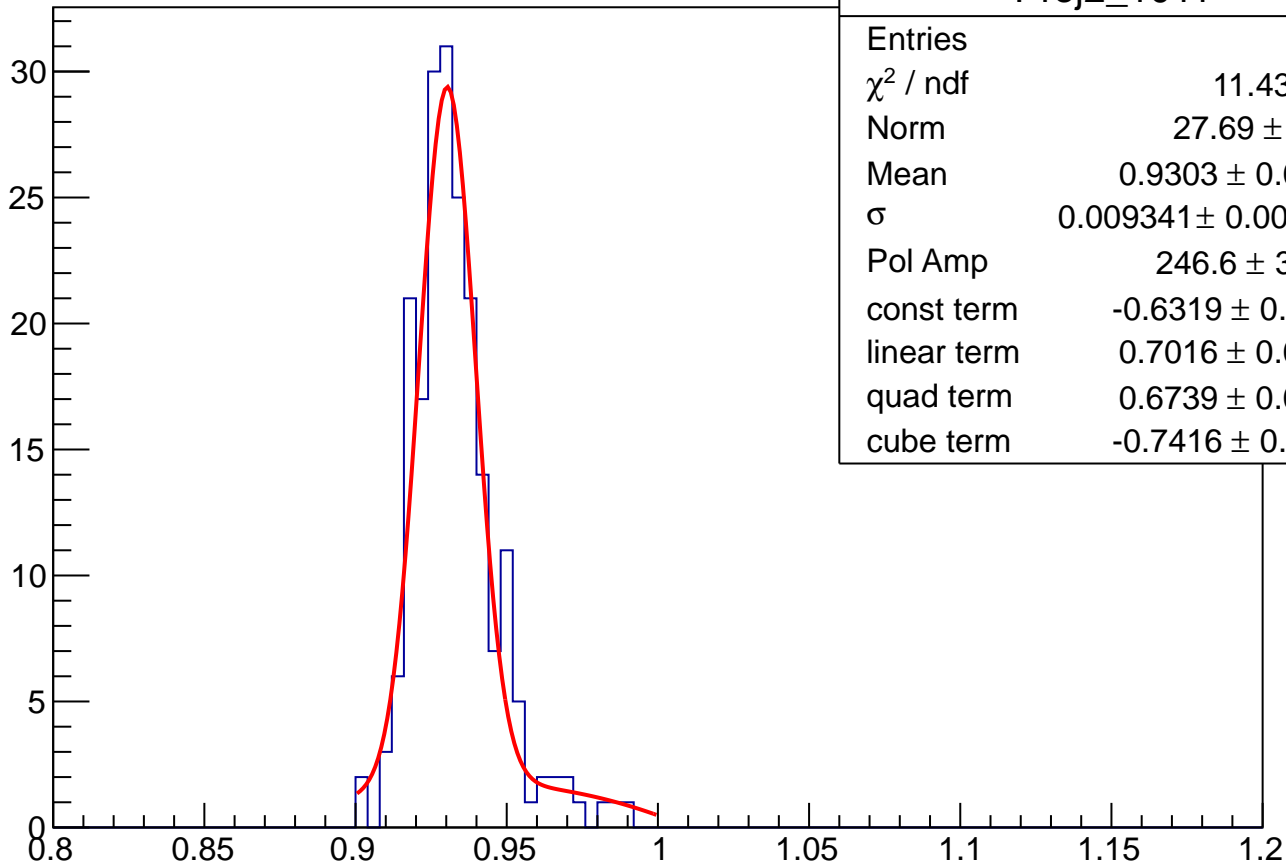
Proj2\_109

Entries	201
$\chi^2 / \text{ndf}$	17.87 / 14
Norm	$22.65 \pm 2.38$
Mean	$0.9304 \pm 0.0012$
$\sigma$	$0.01097 \pm 0.00096$
Pol Amp	$215 \pm 349.1$
const term	$-0.6215 \pm 0.0178$
linear term	$0.6847 \pm 0.0197$
quad term	$0.6332 \pm 0.0203$
cube term	$-0.6927 \pm 0.0197$

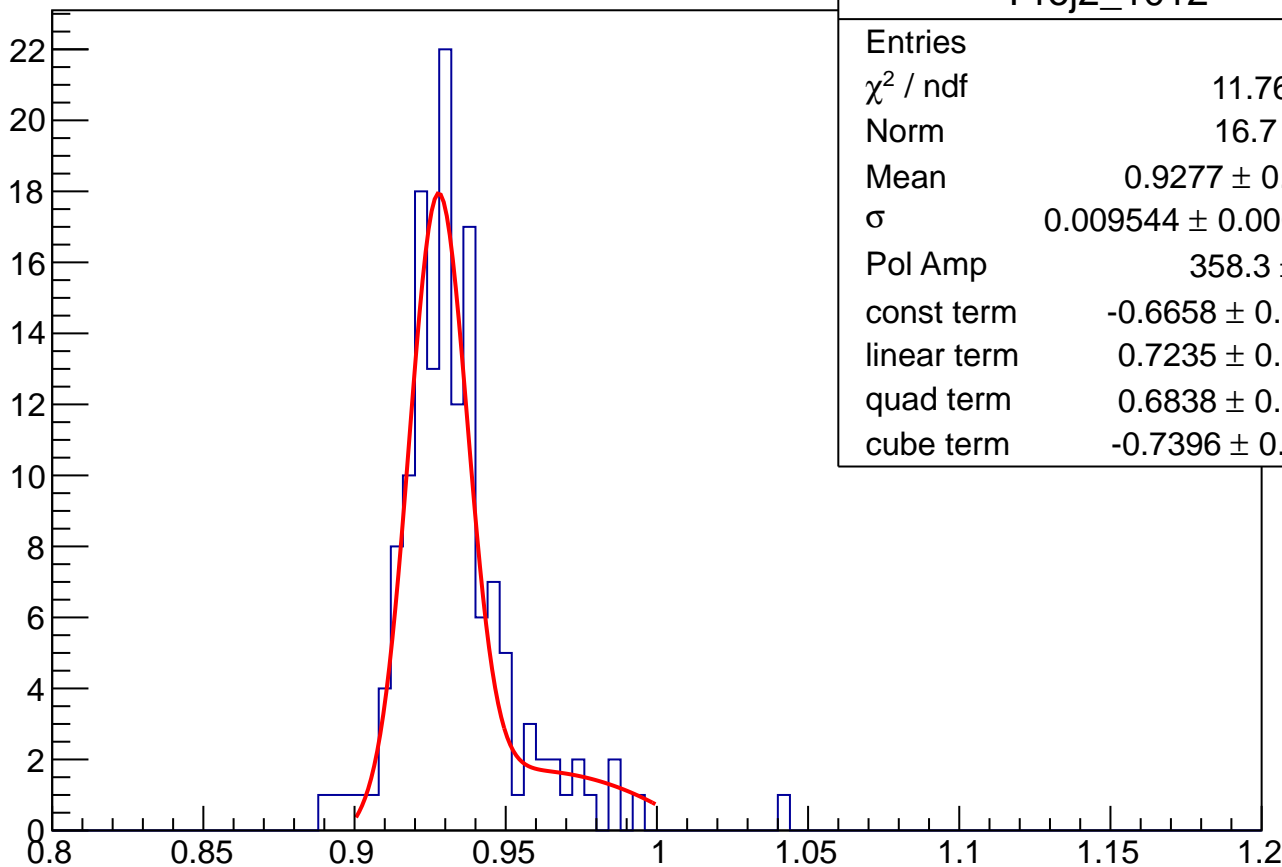
# PhiThetaMassPim



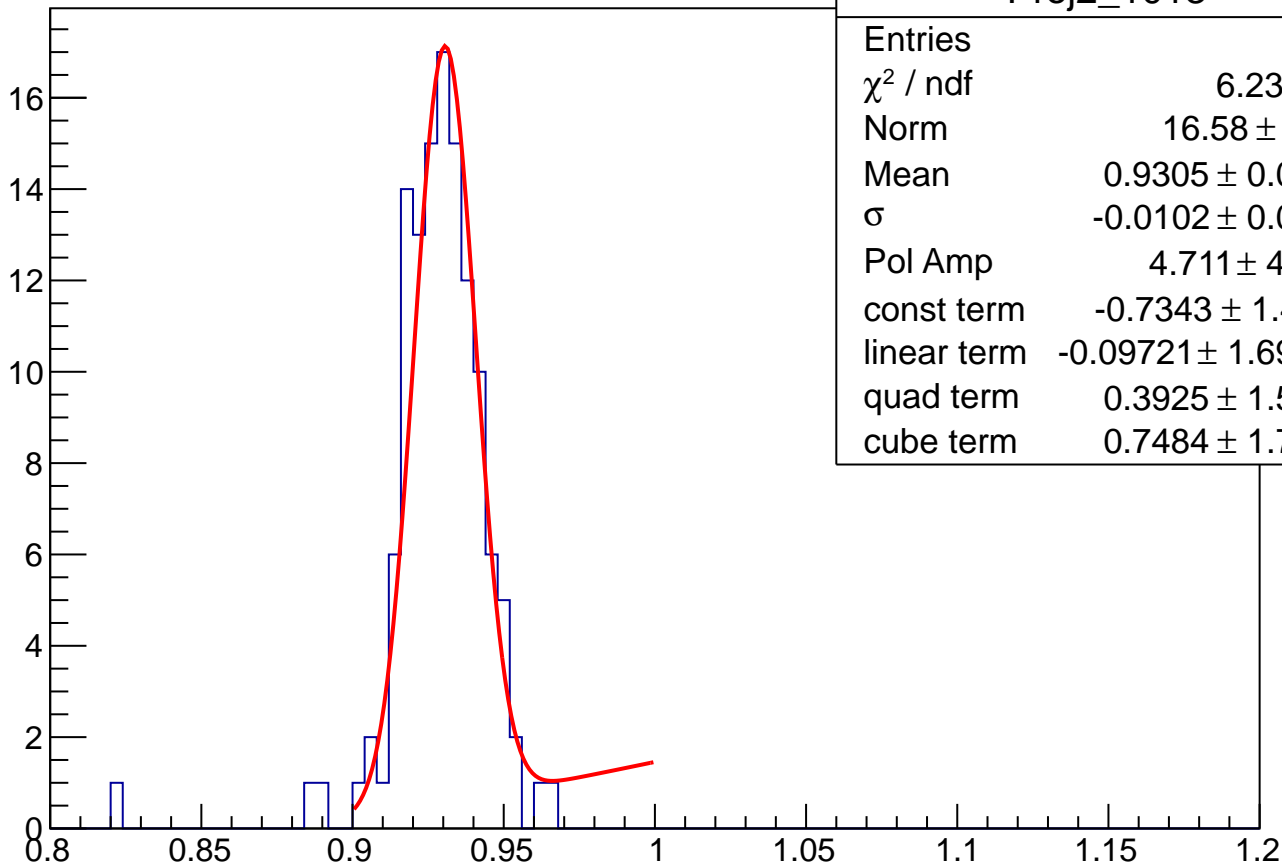
# PhiThetaMassPim



# PhiThetaMassPim



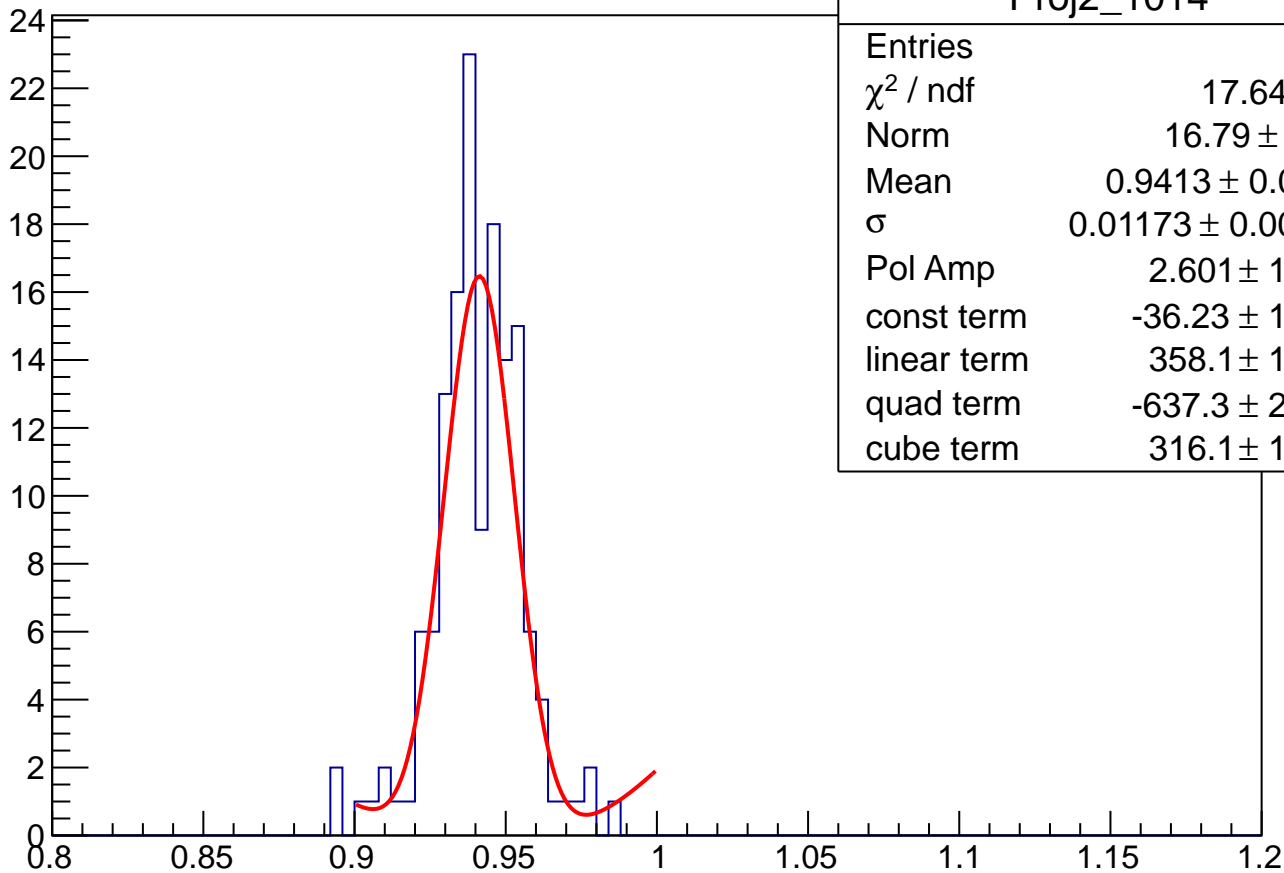
# PhiThetaMassPim



Proj2\_1013

Entries	124
$\chi^2 / \text{ndf}$	6.238 / 8
Norm	$16.58 \pm 2.09$
Mean	$0.9305 \pm 0.0013$
$\sigma$	$-0.0102 \pm 0.0012$
Pol Amp	$4.711 \pm 4.465$
const term	$-0.7343 \pm 1.4541$
linear term	$-0.09721 \pm 1.69833$
quad term	$0.3925 \pm 1.5912$
cube term	$0.7484 \pm 1.7052$

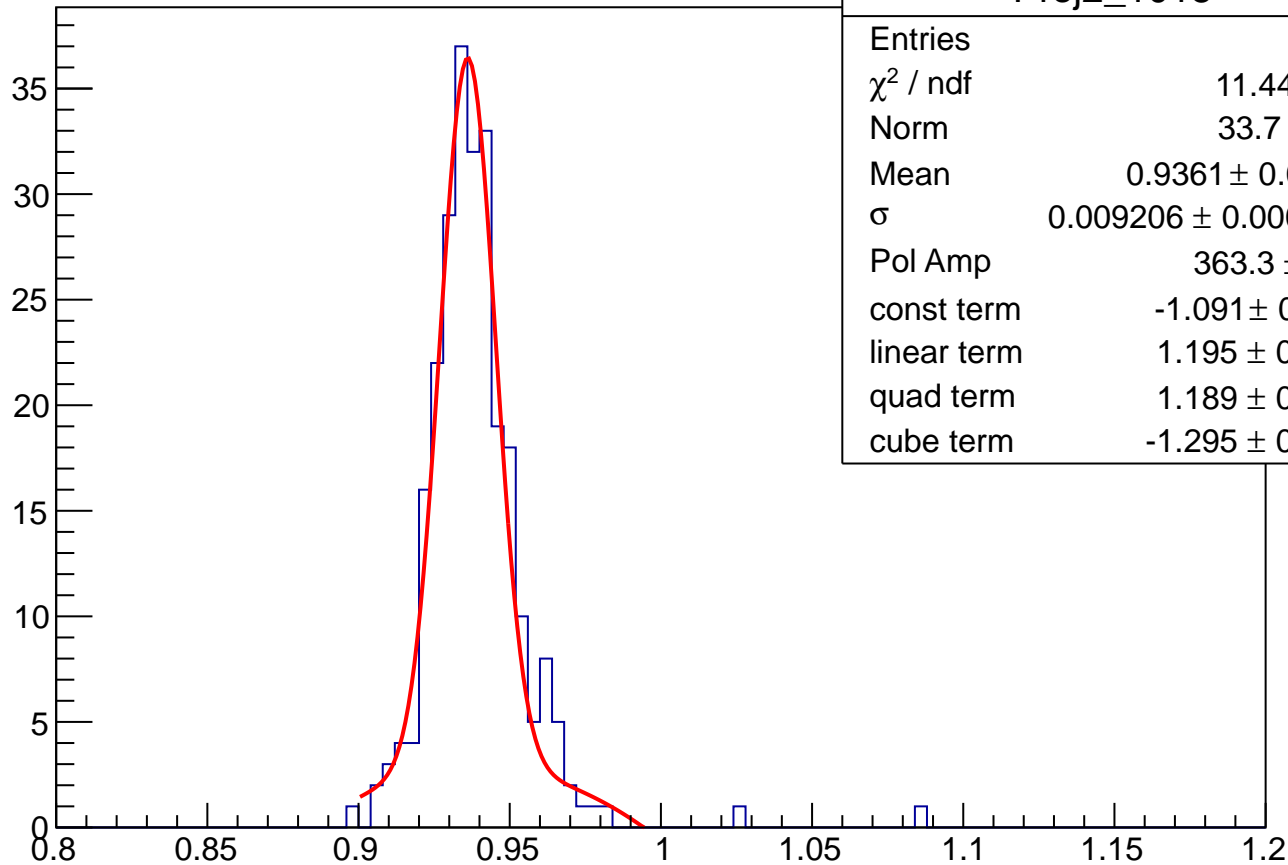
# PhiThetaMassPim



Proj2\_1014

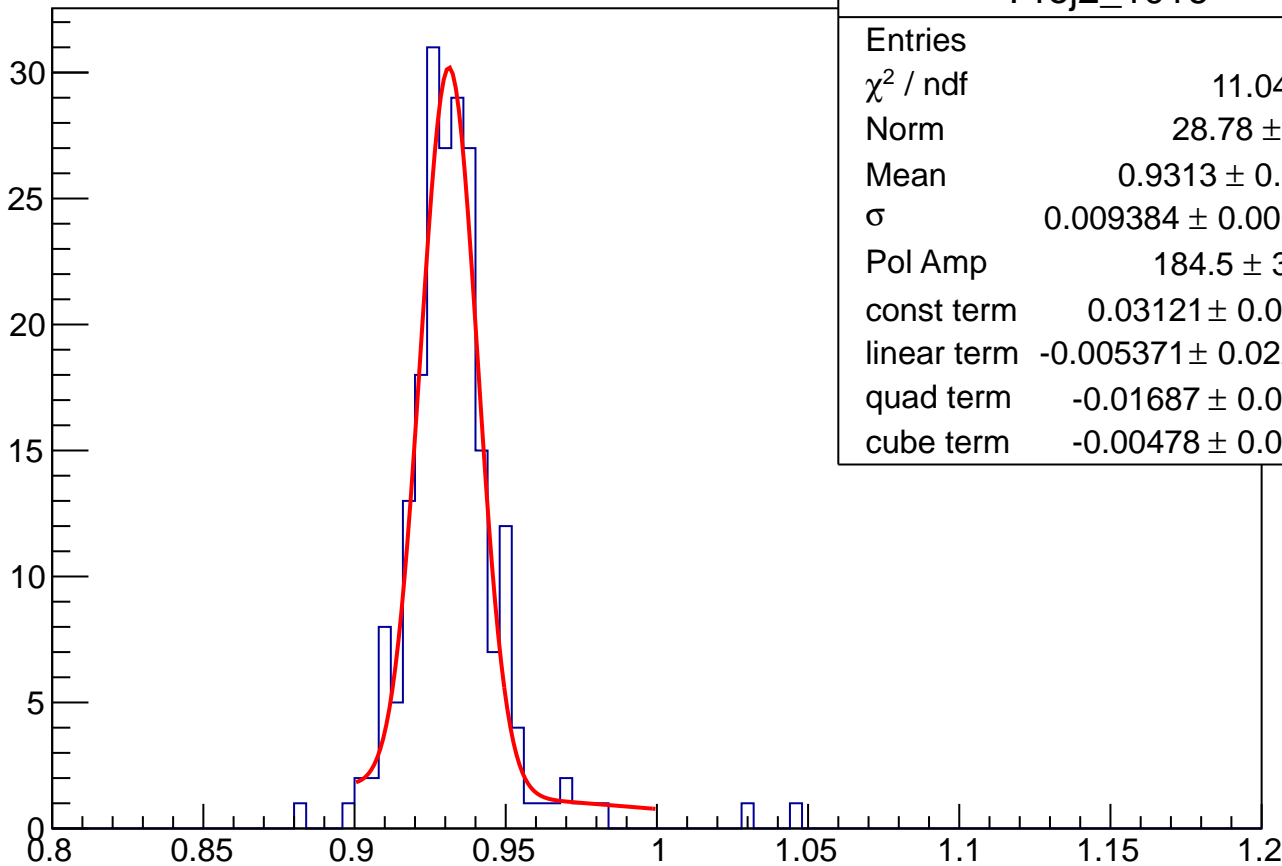
Entries	144
$\chi^2 / \text{ndf}$	17.64 / 13
Norm	$16.79 \pm 2.05$
Mean	$0.9413 \pm 0.0012$
$\sigma$	$0.01173 \pm 0.00069$
Pol Amp	$2.601 \pm 1.100$
const term	$-36.23 \pm 14.63$
linear term	$358.1 \pm 145.7$
quad term	$-637.3 \pm 261.2$
cube term	$316.1 \pm 130.2$

# PhiThetaMassPim





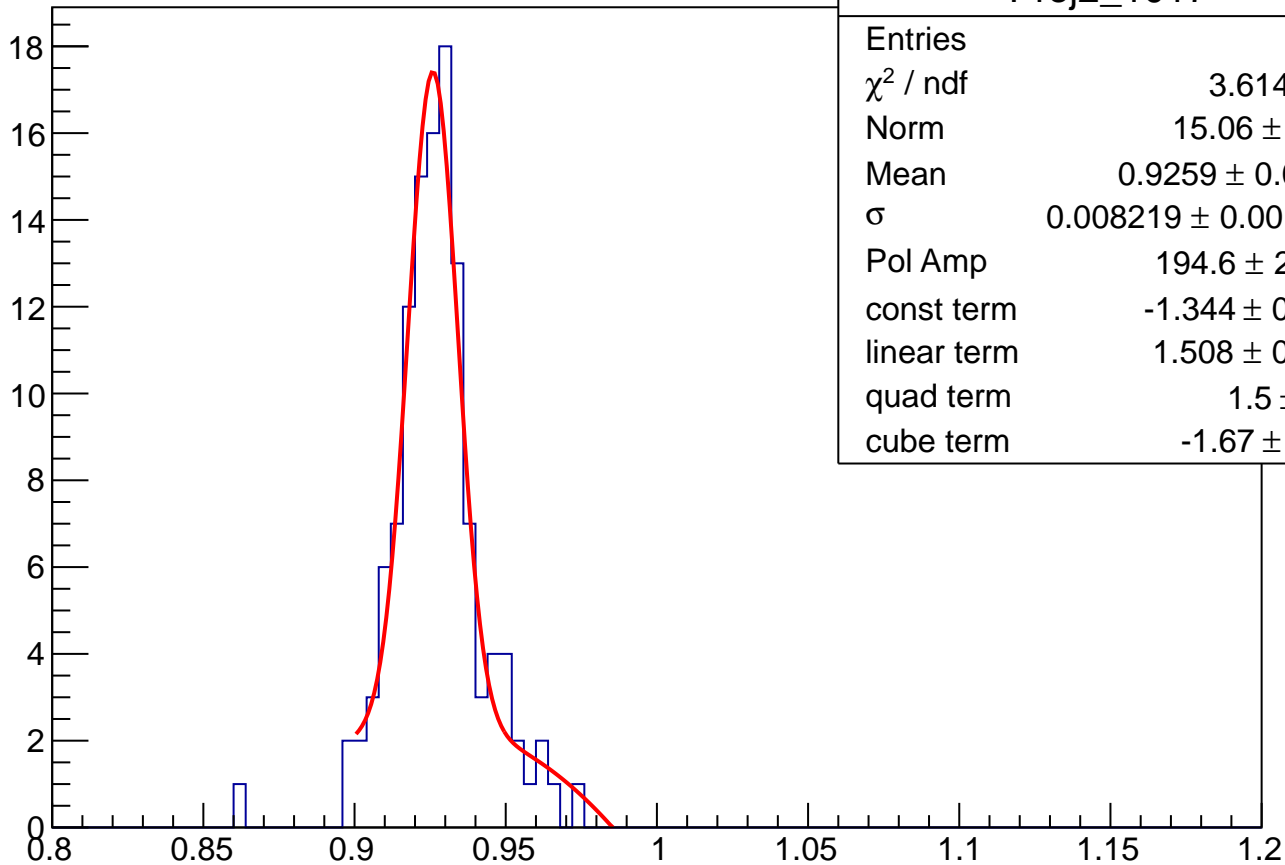
# PhiThetaMassPim



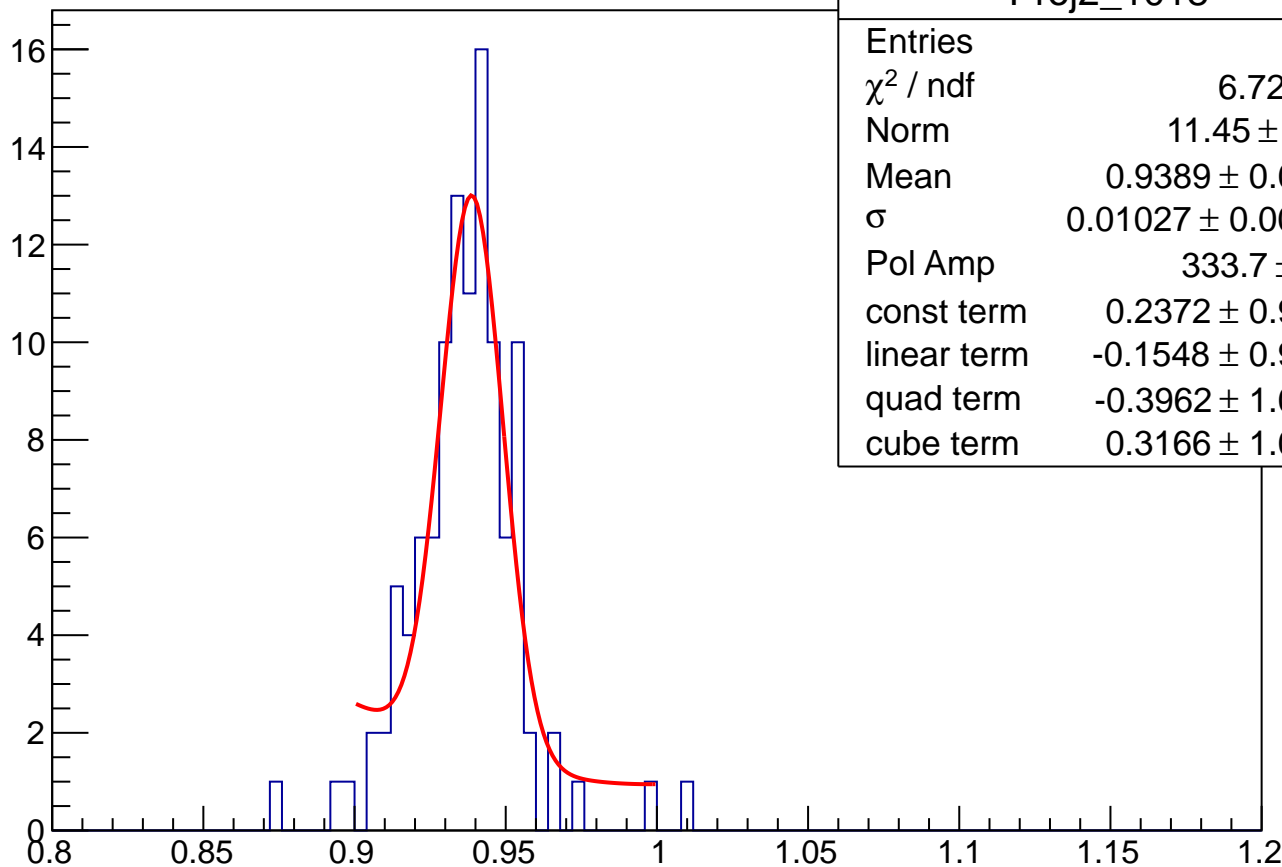
Proj2\_1016

Entries	212
$\chi^2 / \text{ndf}$	11.04 / 13
Norm	$28.78 \pm 2.94$
Mean	$0.9313 \pm 0.0008$
$\sigma$	$0.009384 \pm 0.000877$
Pol Amp	$184.5 \pm 312.9$
const term	$0.03121 \pm 0.02225$
linear term	$-0.005371 \pm 0.022810$
quad term	$-0.01687 \pm 0.02307$
cube term	$-0.00478 \pm 0.02305$

# PhiThetaMassPim



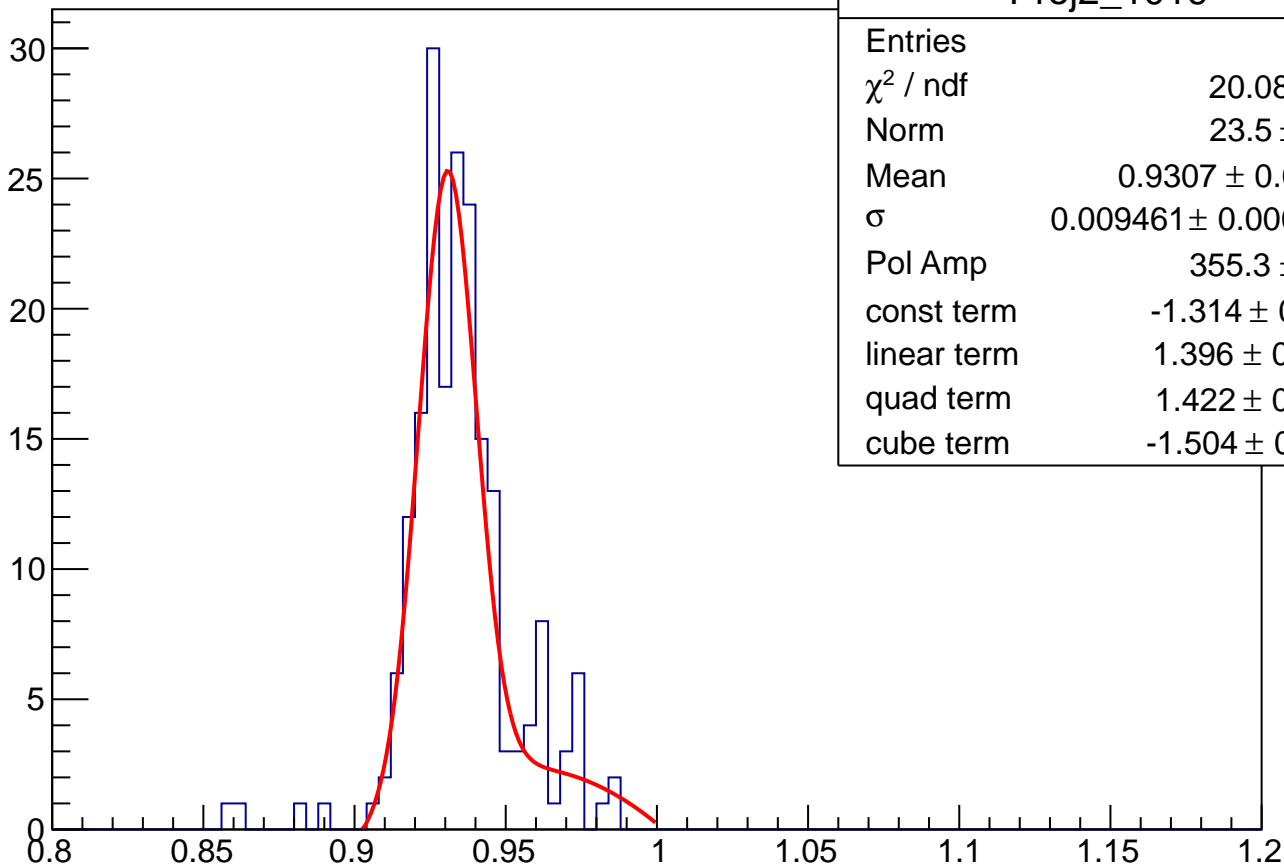
# PhiThetaMassPim



Proj2\_1018

Entries	111
$\chi^2 / \text{ndf}$	6.721 / 9
Norm	$11.45 \pm 2.05$
Mean	$0.9389 \pm 0.0003$
$\sigma$	$0.01027 \pm 0.00206$
Pol Amp	$333.7 \pm 5.9$
const term	$0.2372 \pm 0.9165$
linear term	$-0.1548 \pm 0.9625$
quad term	$-0.3962 \pm 1.0367$
cube term	$0.3166 \pm 1.0848$

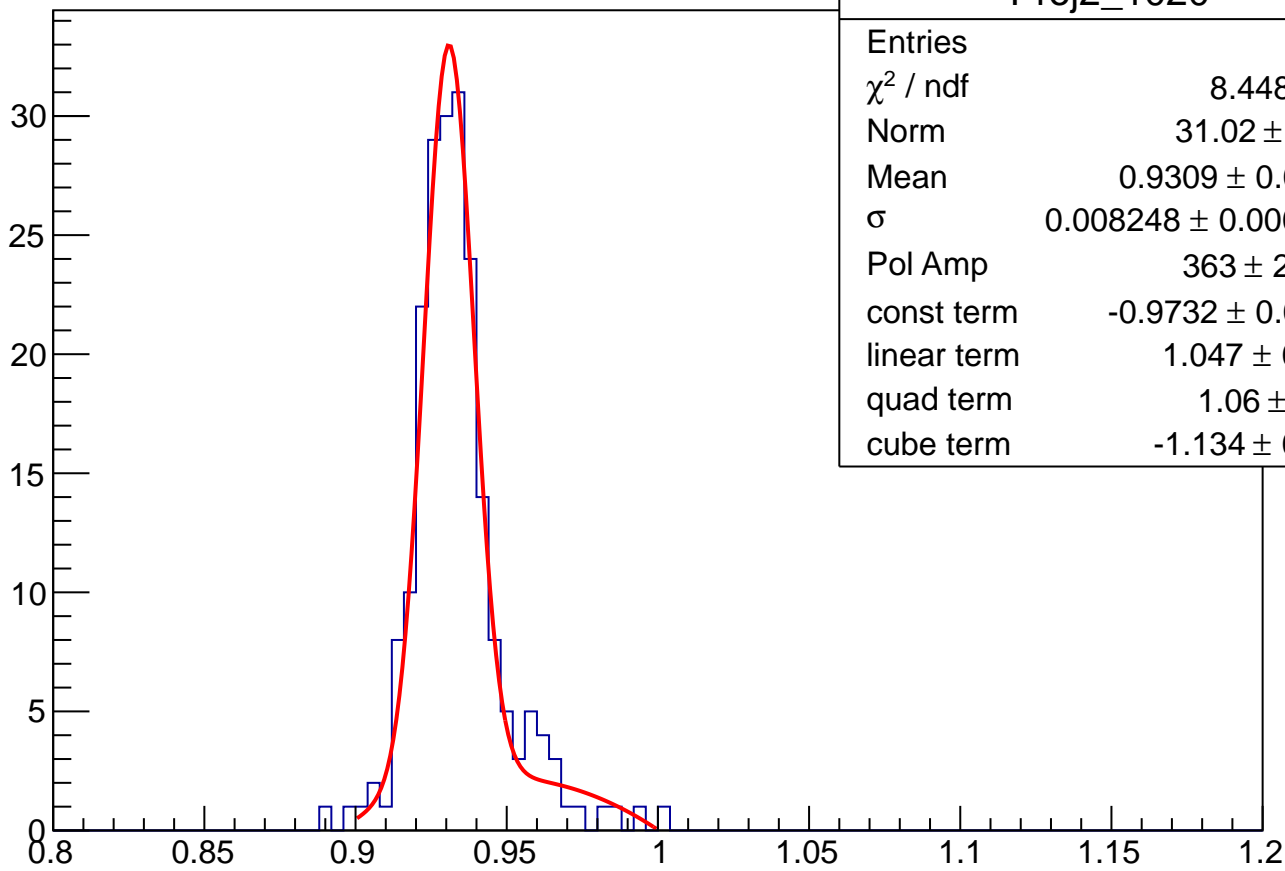
# PhiThetaMassPim



Proj2\_1019

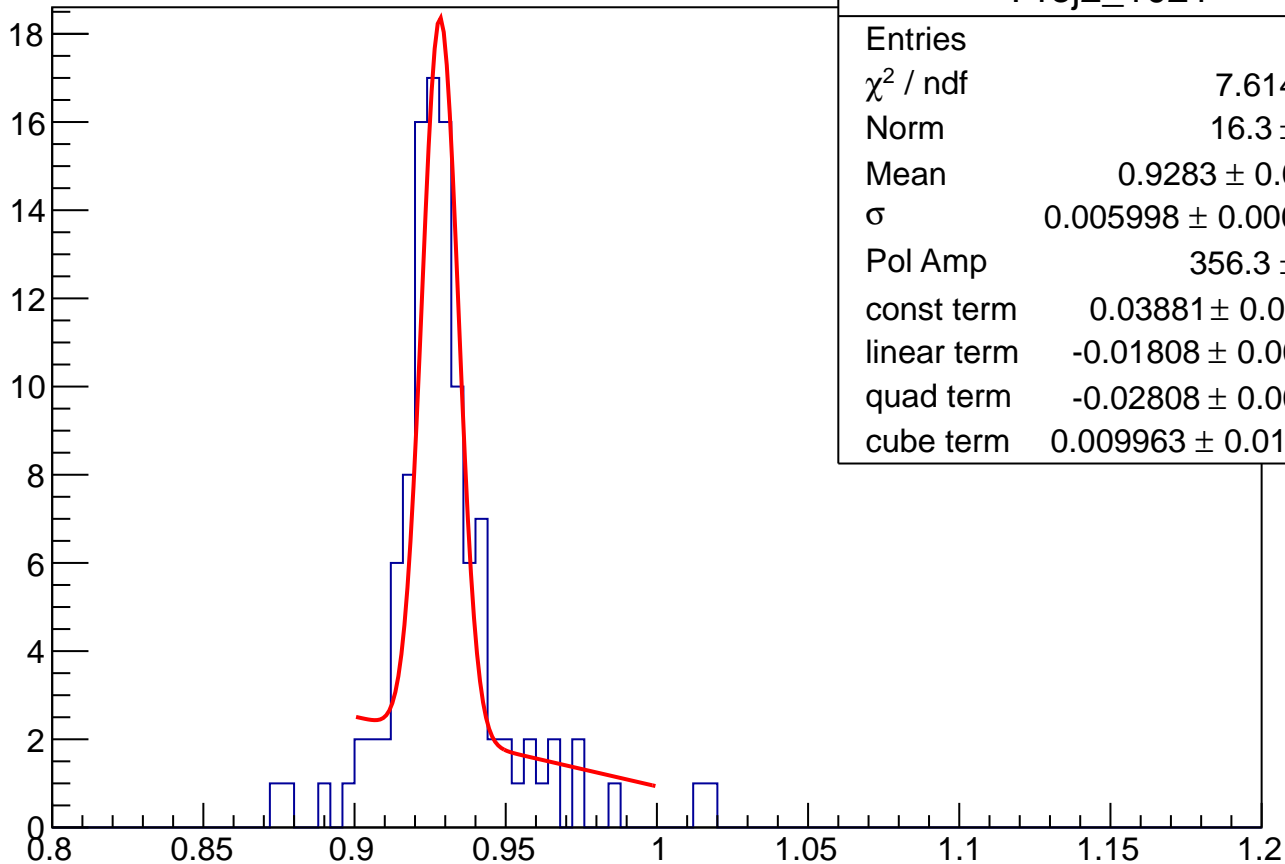
Entries	197
$\chi^2 / \text{ndf}$	20.08 / 12
Norm	$23.5 \pm 2.7$
Mean	$0.9307 \pm 0.0010$
$\sigma$	$0.009461 \pm 0.000758$
Pol Amp	$355.3 \pm 1.5$
const term	$-1.314 \pm 0.621$
linear term	$1.396 \pm 0.659$
quad term	$1.422 \pm 0.679$
cube term	$-1.504 \pm 0.720$

# PhiThetaMassPim



Proj2_1020	
Entries	208
$\chi^2 / \text{ndf}$	8.448 / 14
Norm	$31.02 \pm 3.19$
Mean	$0.9309 \pm 0.0008$
$\sigma$	$0.008248 \pm 0.000670$
Pol Amp	$363 \pm 236.3$
const term	$-0.9732 \pm 0.0092$
linear term	$1.047 \pm 0.011$
quad term	$1.06 \pm 0.01$
cube term	$-1.134 \pm 0.011$

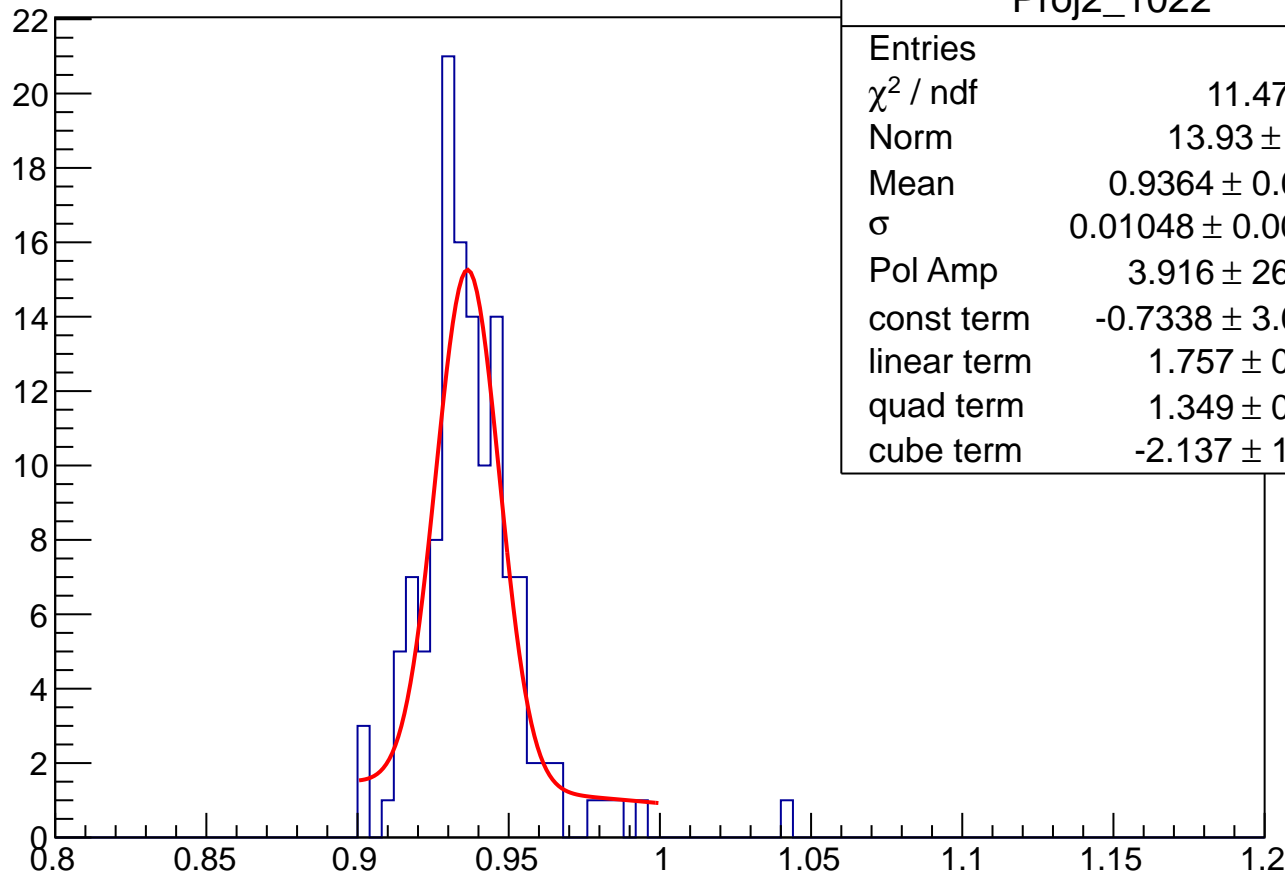
# PhiThetaMassPim



Proj2\_1021

Entries	111
$\chi^2 / \text{ndf}$	7.614 / 11
Norm	$16.3 \pm 2.4$
Mean	$0.9283 \pm 0.0000$
$\sigma$	$0.005998 \pm 0.000003$
Pol Amp	$356.3 \pm 0.0$
const term	$0.03881 \pm 0.01150$
linear term	$-0.01808 \pm 0.00399$
quad term	$-0.02808 \pm 0.00435$
cube term	$0.009963 \pm 0.013181$

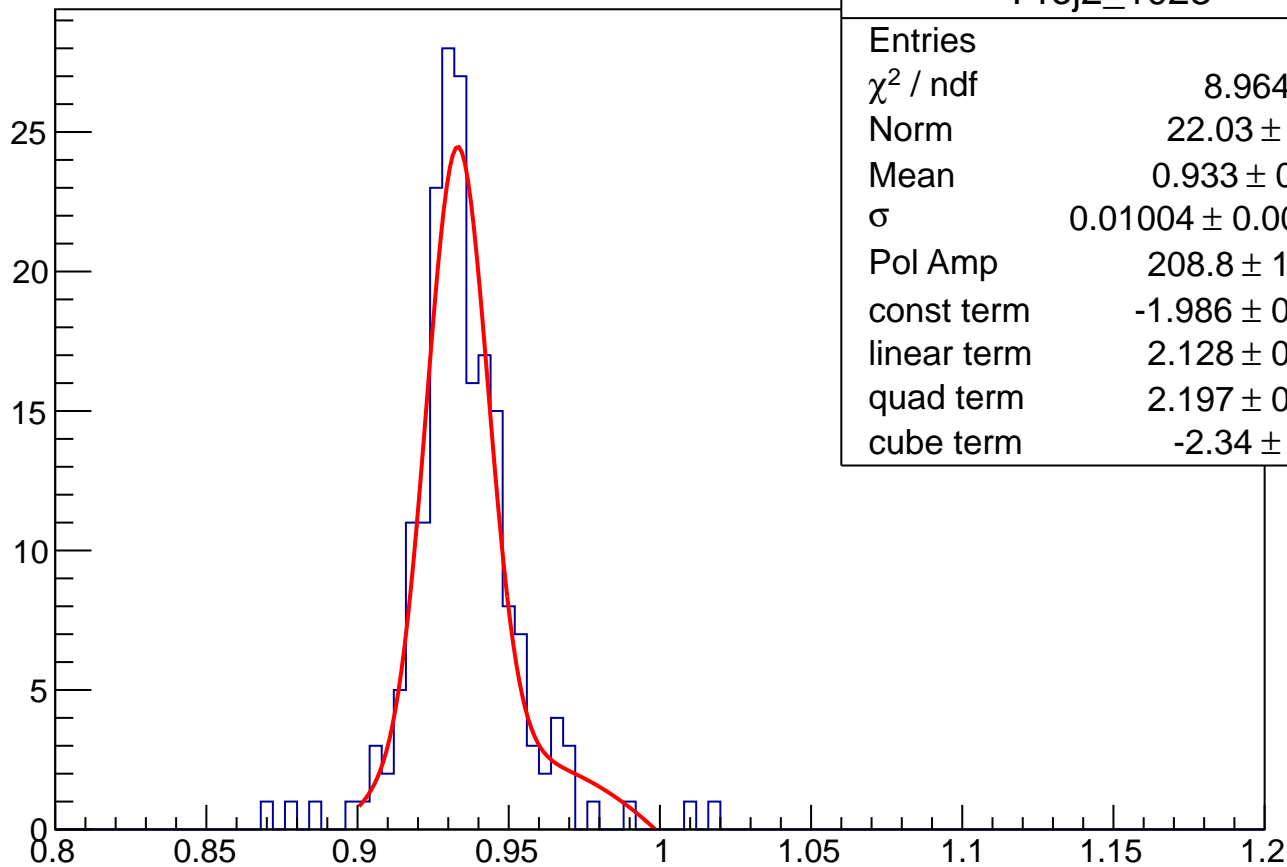
# PhiThetaMassPim



Proj2\_1022

Entries	129
$\chi^2 / \text{ndf}$	11.47 / 12
Norm	$13.93 \pm 1.93$
Mean	$0.9364 \pm 0.0014$
$\sigma$	$0.01048 \pm 0.00143$
Pol Amp	$3.916 \pm 26.920$
const term	$-0.7338 \pm 3.0480$
linear term	$1.757 \pm 0.798$
quad term	$1.349 \pm 0.889$
cube term	$-2.137 \pm 1.974$

# PhiThetaMassPim

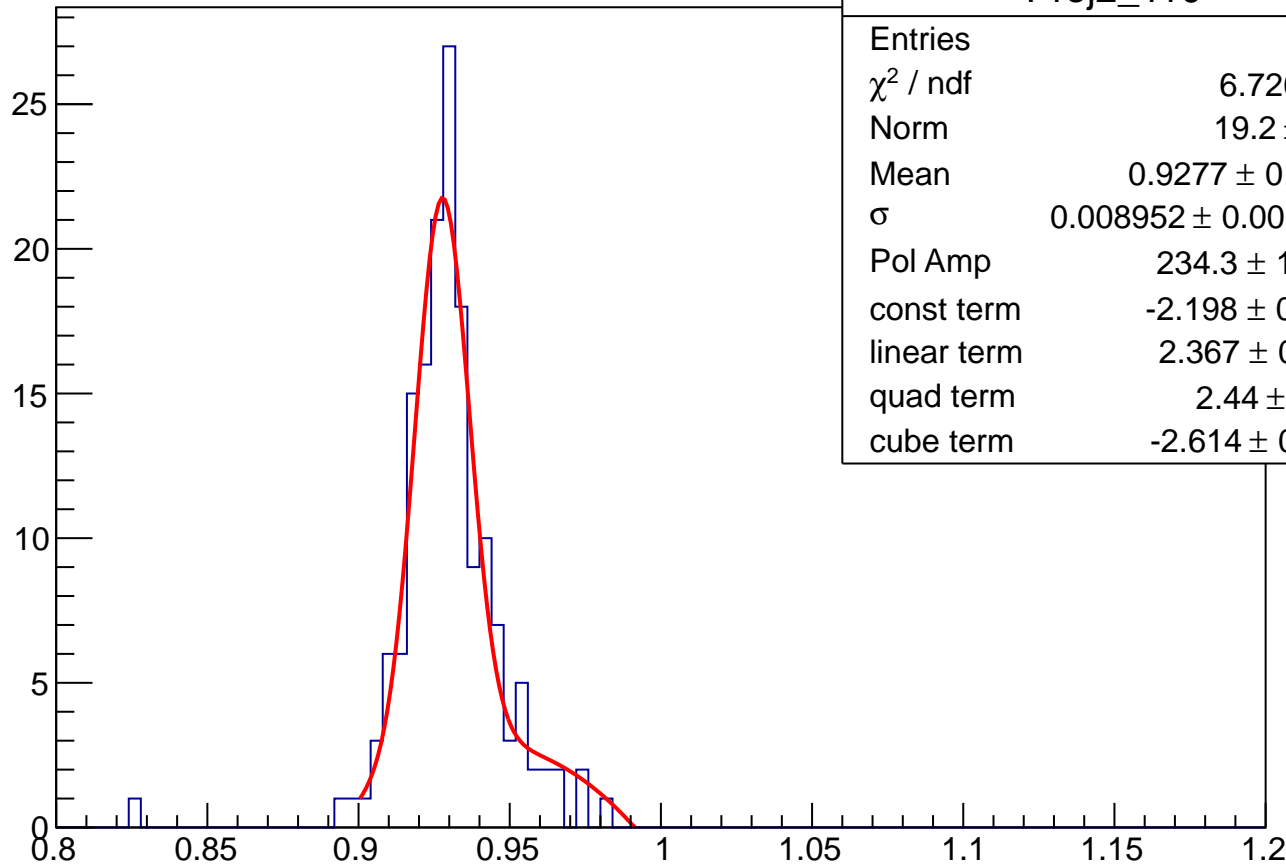


Proj2\_1023

Entries	194
$\chi^2 / \text{ndf}$	8.964 / 12
Norm	$22.03 \pm 2.63$
Mean	$0.933 \pm 0.001$
$\sigma$	$0.01004 \pm 0.00120$
Pol Amp	$208.8 \pm 167.4$
const term	$-1.986 \pm 0.019$
linear term	$2.128 \pm 0.023$
quad term	$2.197 \pm 0.024$
cube term	$-2.34 \pm 0.02$



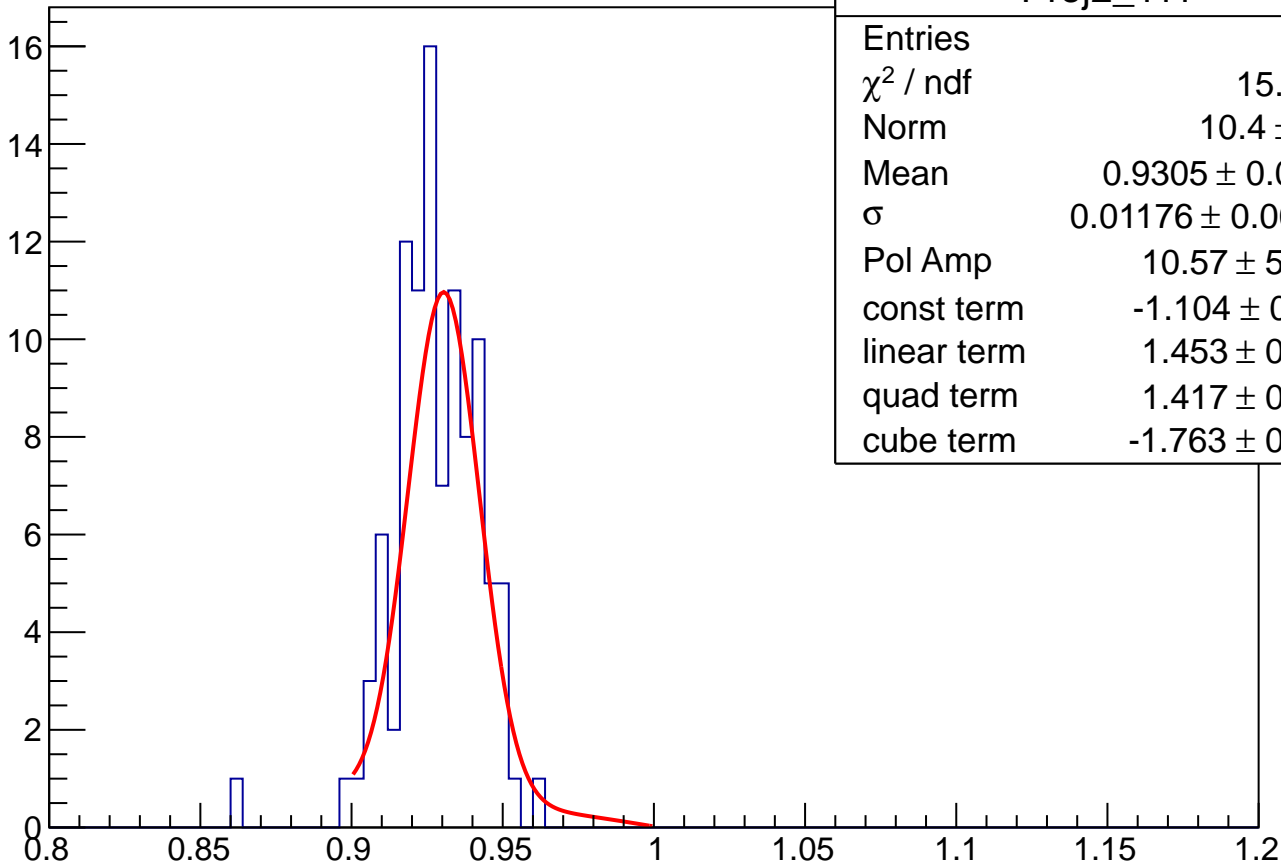
# PhiThetaMassPim



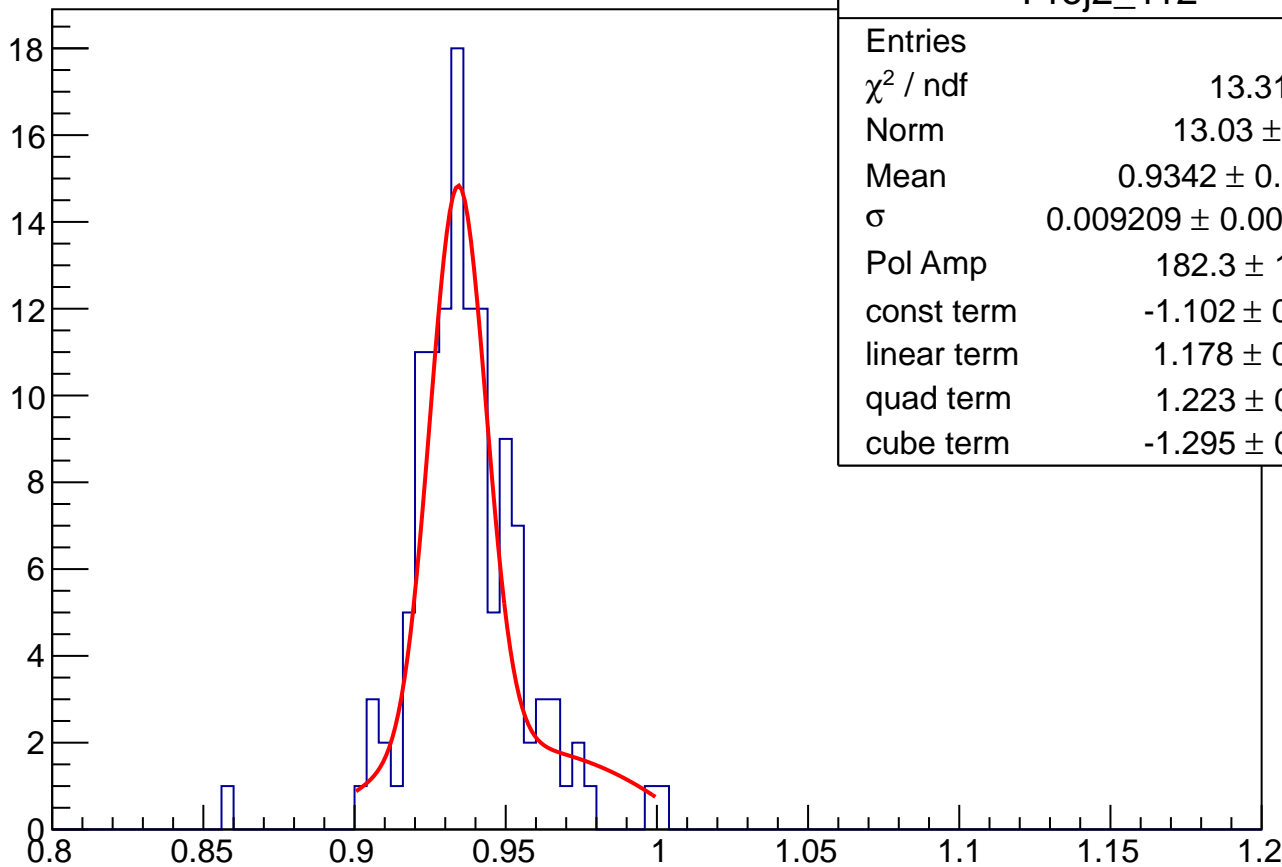
Proj2\_110

Entries	159
$\chi^2 / \text{ndf}$	6.726 / 11
Norm	$19.2 \pm 2.7$
Mean	$0.9277 \pm 0.0011$
$\sigma$	$0.008952 \pm 0.001306$
Pol Amp	$234.3 \pm 158.8$
const term	$-2.198 \pm 0.019$
linear term	$2.367 \pm 0.022$
quad term	$2.44 \pm 0.02$
cube term	$-2.614 \pm 0.022$

# PhiThetaMassPim



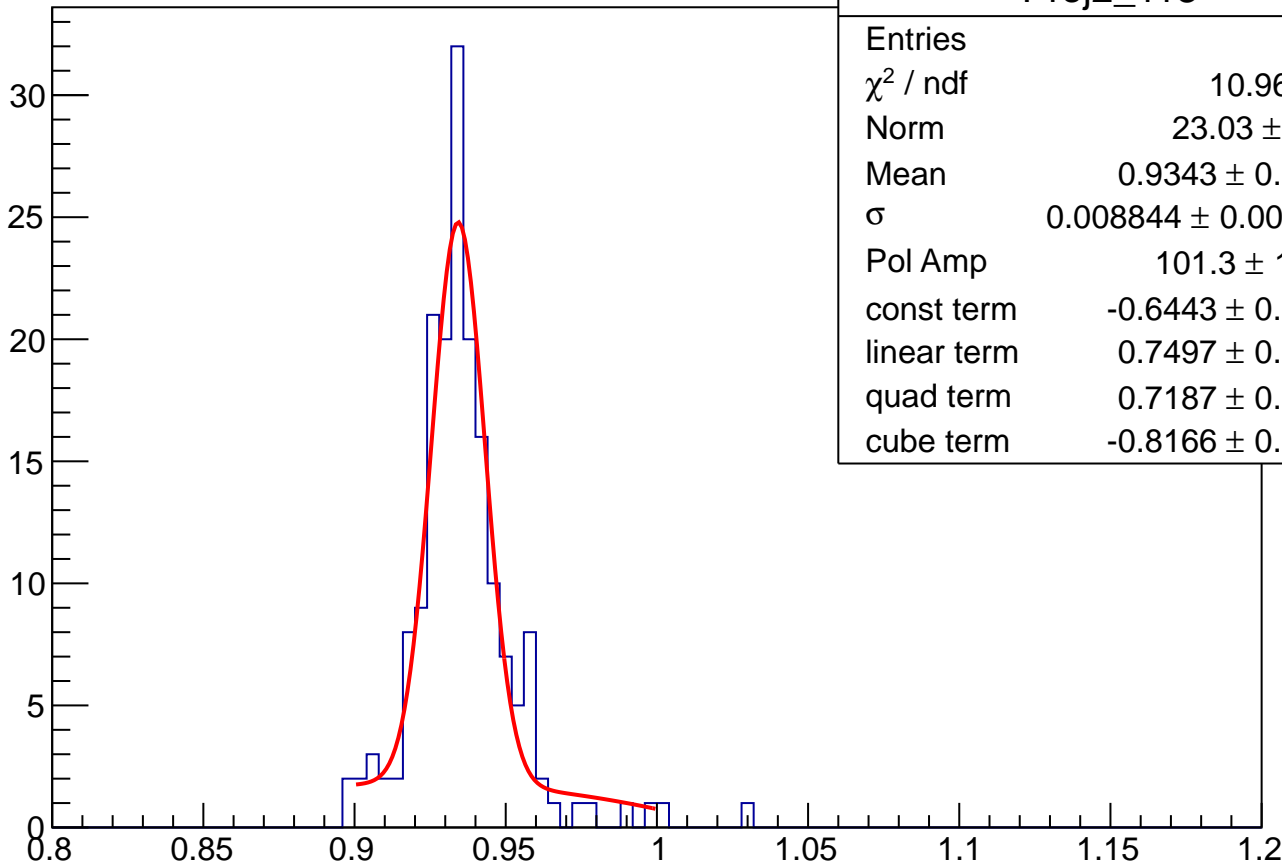
# PhiThetaMassPim



Proj2\_112

Entries	125
$\chi^2 / \text{ndf}$	13.31 / 13
Norm	$13.03 \pm 2.17$
Mean	$0.9342 \pm 0.0016$
$\sigma$	$0.009209 \pm 0.001552$
Pol Amp	$182.3 \pm 193.4$
const term	$-1.102 \pm 0.019$
linear term	$1.178 \pm 0.023$
quad term	$1.223 \pm 0.024$
cube term	$-1.295 \pm 0.022$

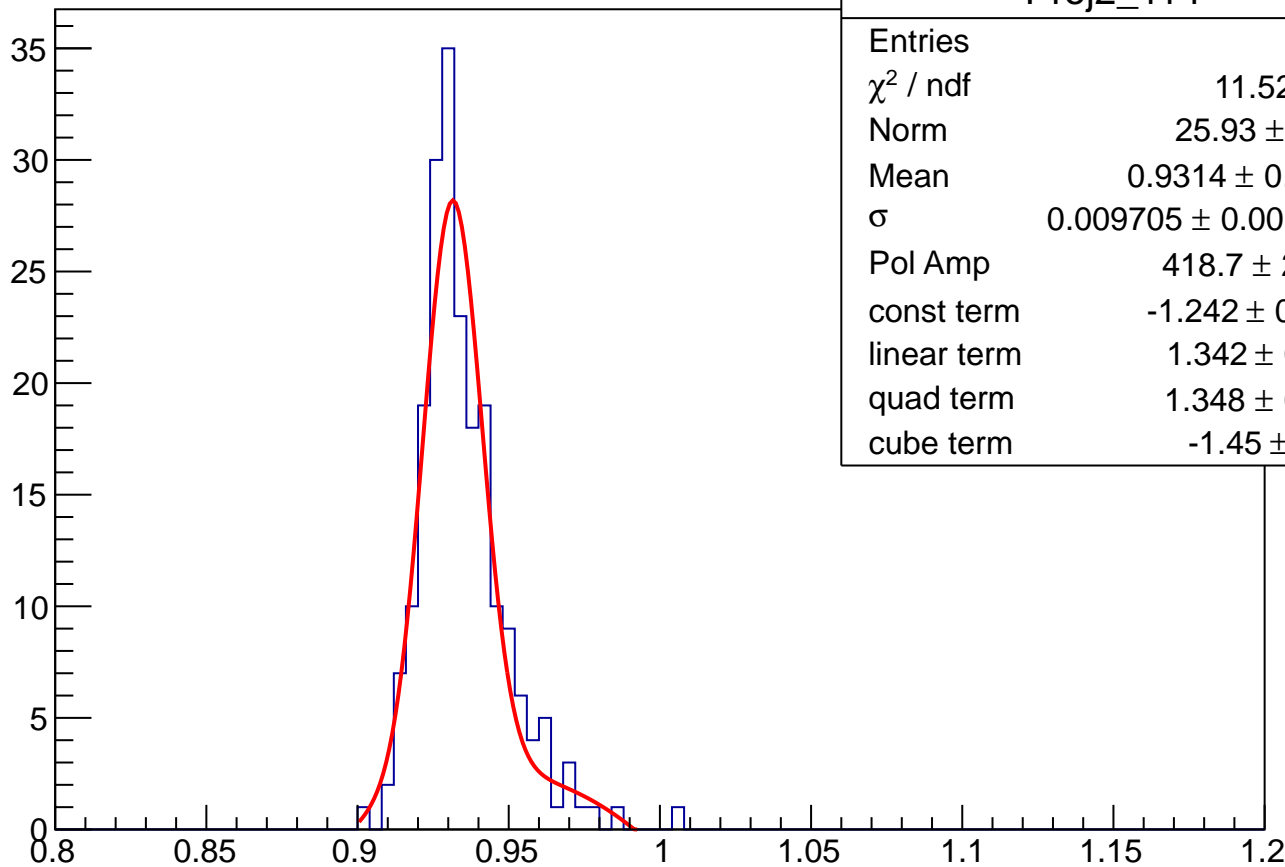
# PhiThetaMassPim



Proj2\_113

Entries	176
$\chi^2 / \text{ndf}$	10.96 / 13
Norm	$23.03 \pm 2.87$
Mean	$0.9343 \pm 0.0010$
$\sigma$	$0.008844 \pm 0.001062$
Pol Amp	$101.3 \pm 128.2$
const term	$-0.6443 \pm 0.0407$
linear term	$0.7497 \pm 0.0426$
quad term	$0.7187 \pm 0.0430$
cube term	$-0.8166 \pm 0.0418$

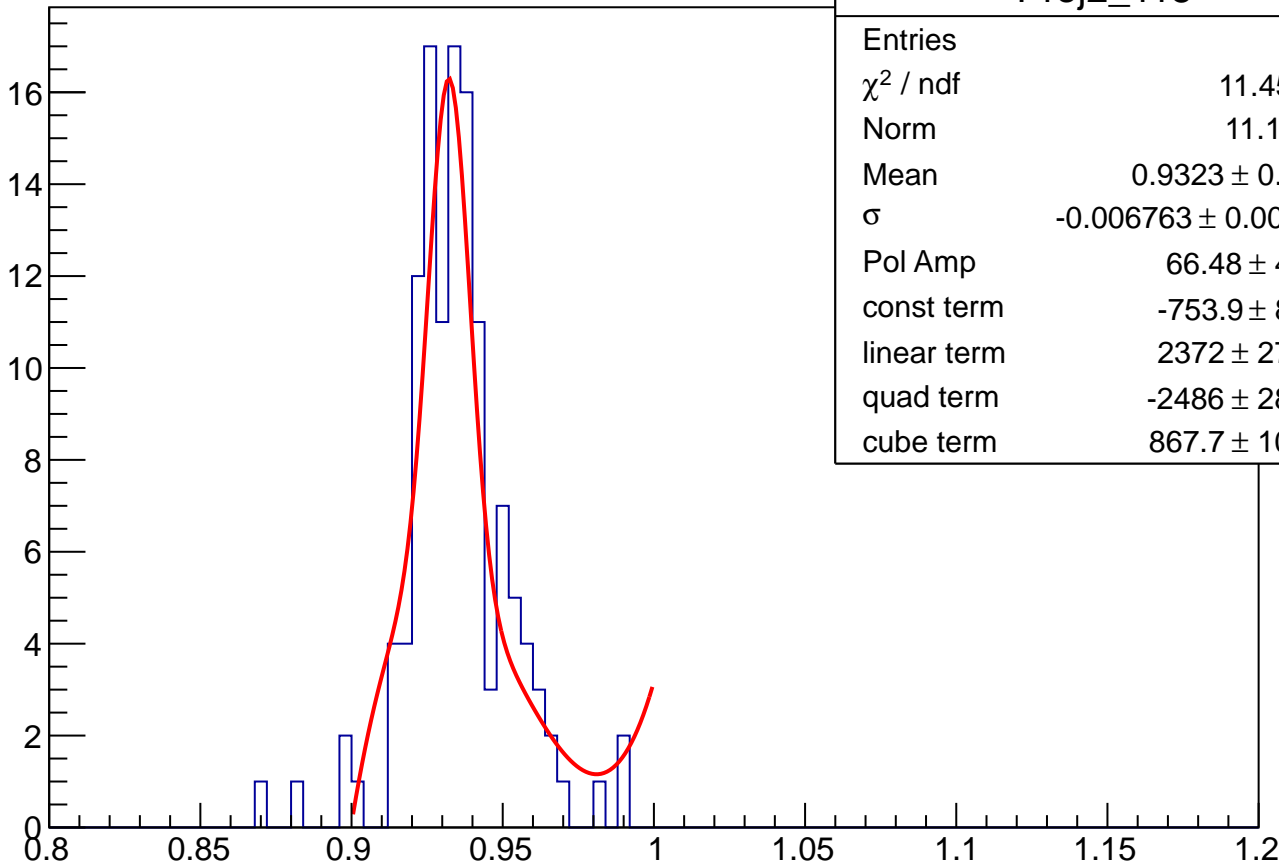
# PhiThetaMassPim



Proj2\_114

Entries	206
$\chi^2 / \text{ndf}$	11.52 / 12
Norm	$25.93 \pm 2.96$
Mean	$0.9314 \pm 0.0011$
$\sigma$	$0.009705 \pm 0.001076$
Pol Amp	$418.7 \pm 283.1$
const term	$-1.242 \pm 0.009$
linear term	$1.342 \pm 0.011$
quad term	$1.348 \pm 0.011$
cube term	$-1.45 \pm 0.01$

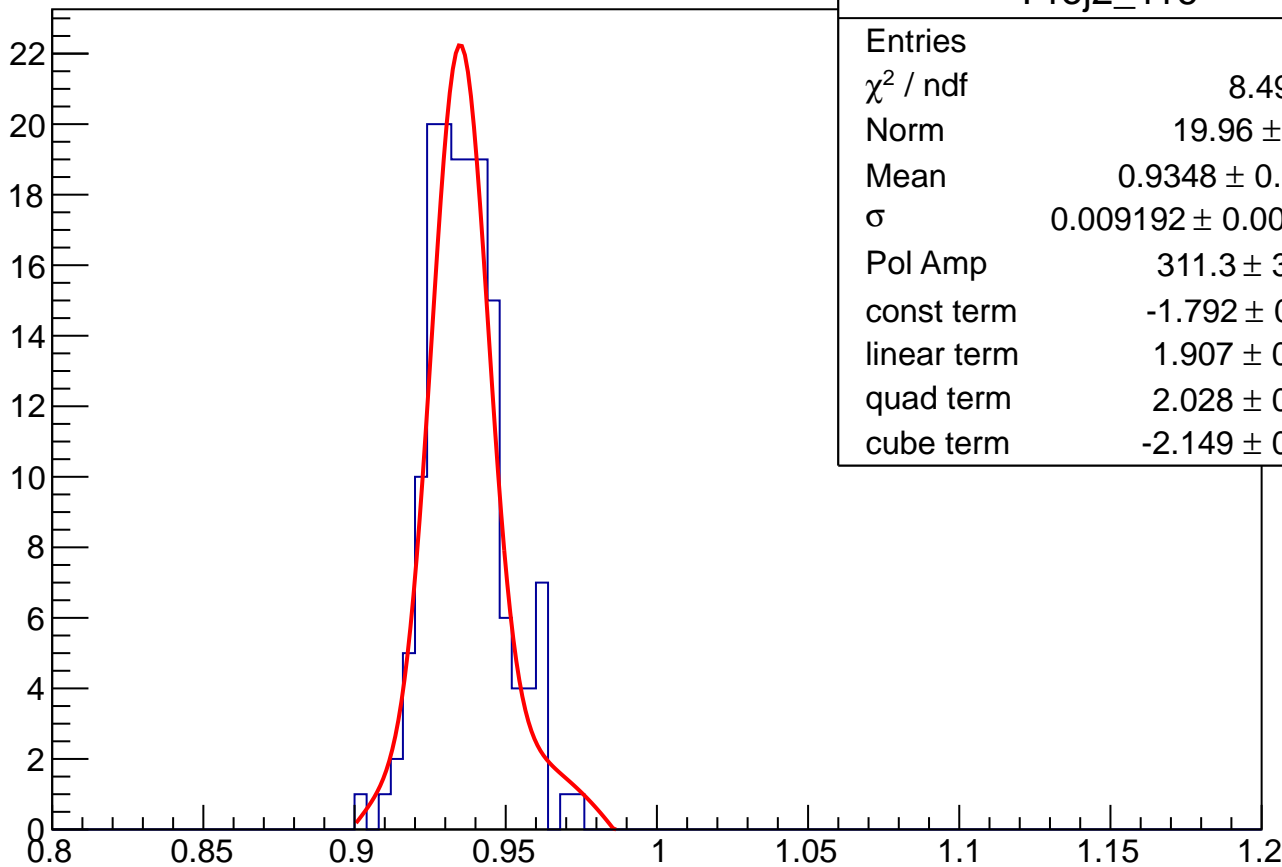
# PhiThetaMassPim



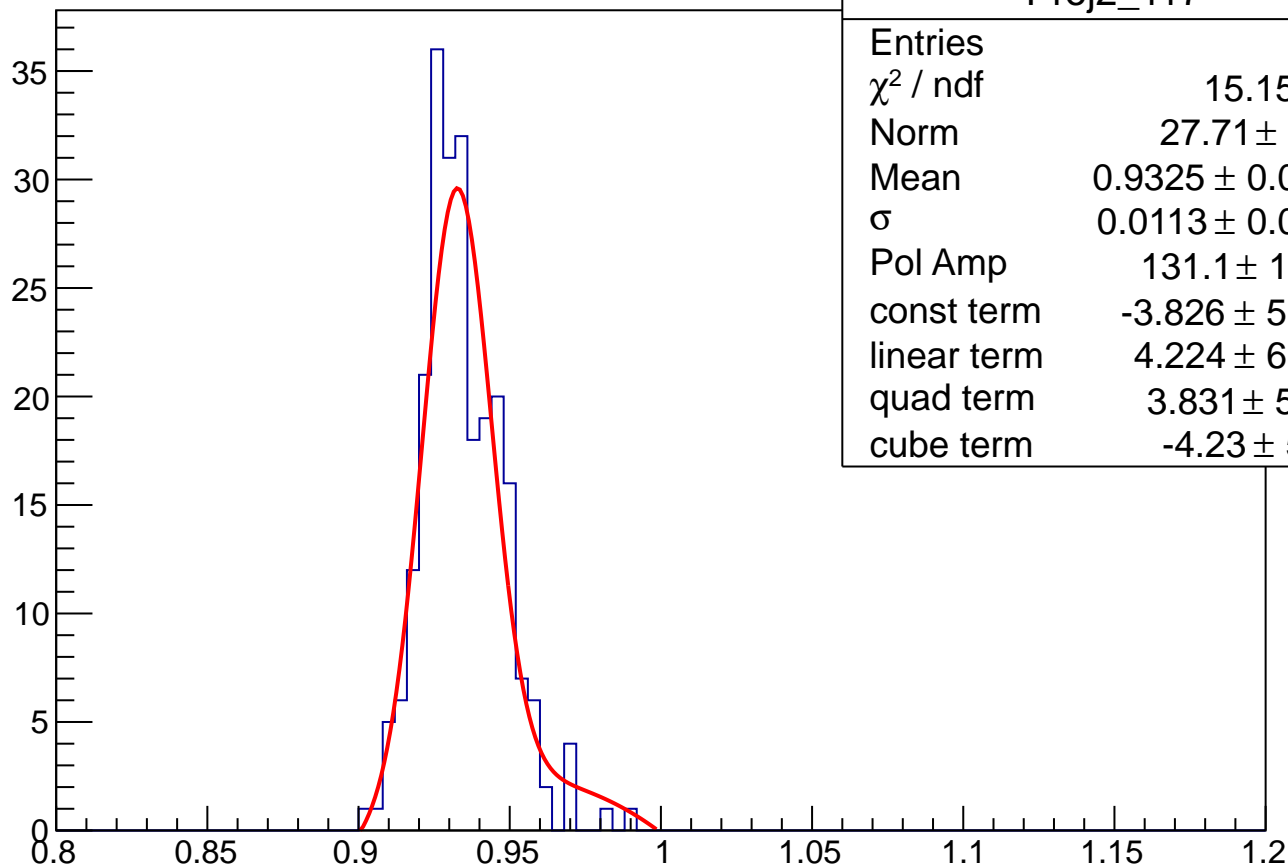
Proj2\_115

Entries	125
$\chi^2 / \text{ndf}$	11.45 / 10
Norm	$11.1 \pm 2.9$
Mean	$0.9323 \pm 0.0017$
$\sigma$	$-0.006763 \pm 0.001558$
Pol Amp	$66.48 \pm 45.36$
const term	$-753.9 \pm 869.4$
linear term	$2372 \pm 2746.8$
quad term	$-2486 \pm 2890.7$
cube term	$867.7 \pm 1013.4$

# PhiThetaMassPim



# PhiThetaMassPim

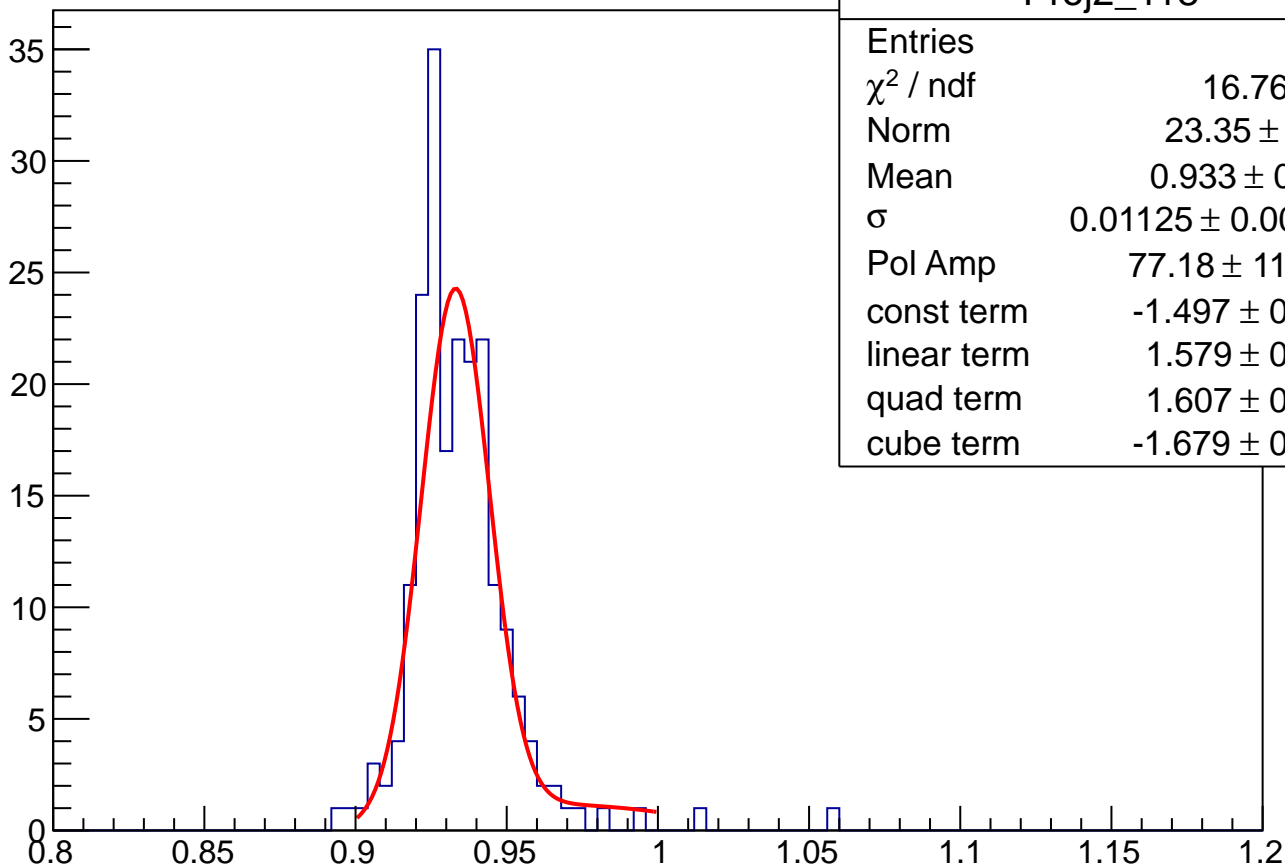


Proj2\_117

Entries	239
$\chi^2 / \text{ndf}$	15.15 / 11
Norm	$27.71 \pm 2.82$
Mean	$0.9325 \pm 0.0012$
$\sigma$	$0.0113 \pm 0.0014$
Pol Amp	$131.1 \pm 114.0$
const term	$-3.826 \pm 5.342$
linear term	$4.224 \pm 6.208$
quad term	$3.831 \pm 5.011$
cube term	$-4.23 \pm 5.76$



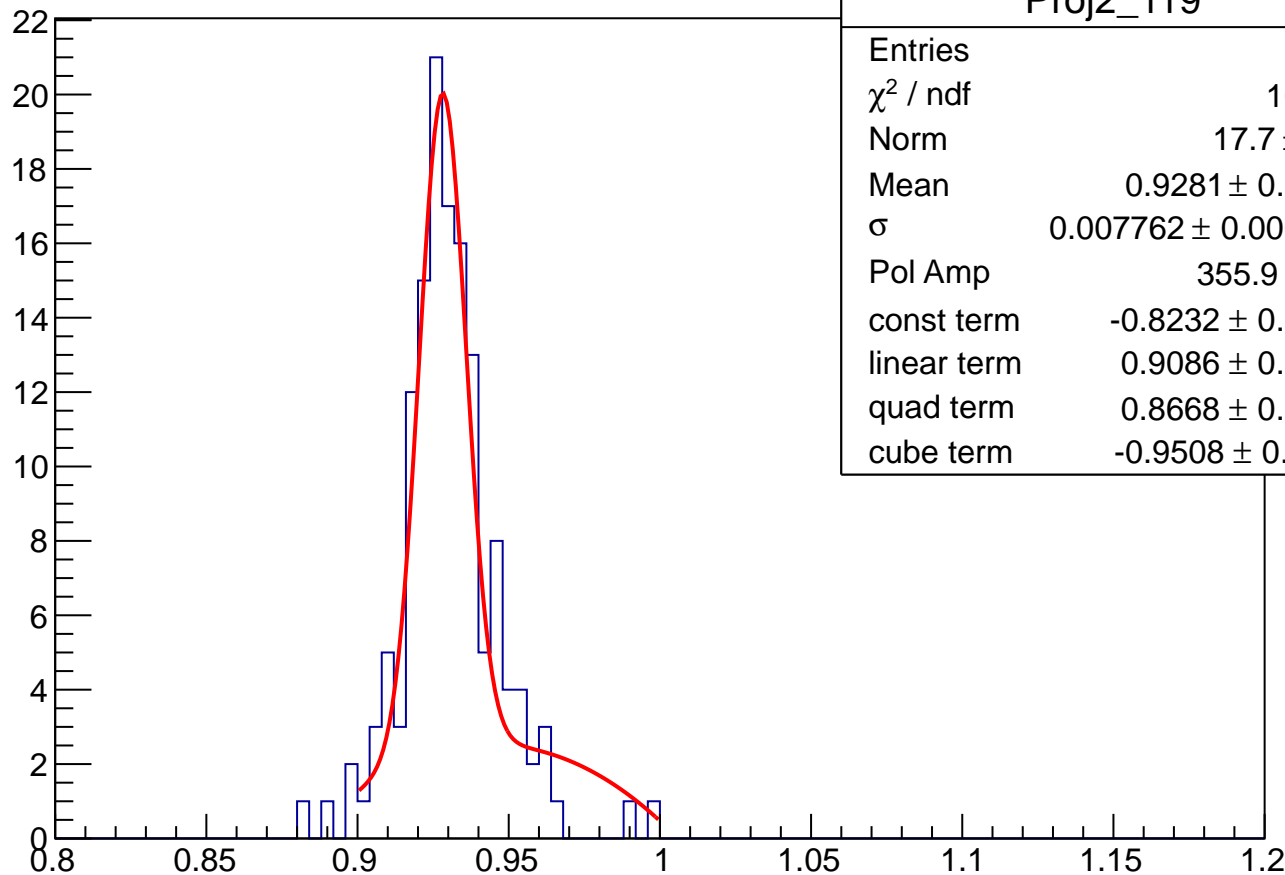
# PhiThetaMassPim



Proj2\_118

Entries	204
$\chi^2 / \text{ndf}$	16.76 / 13
Norm	$23.35 \pm 2.36$
Mean	$0.933 \pm 0.001$
$\sigma$	$0.01125 \pm 0.00094$
Pol Amp	$77.18 \pm 119.96$
const term	$-1.497 \pm 0.049$
linear term	$1.579 \pm 0.055$
quad term	$1.607 \pm 0.059$
cube term	$-1.679 \pm 0.059$

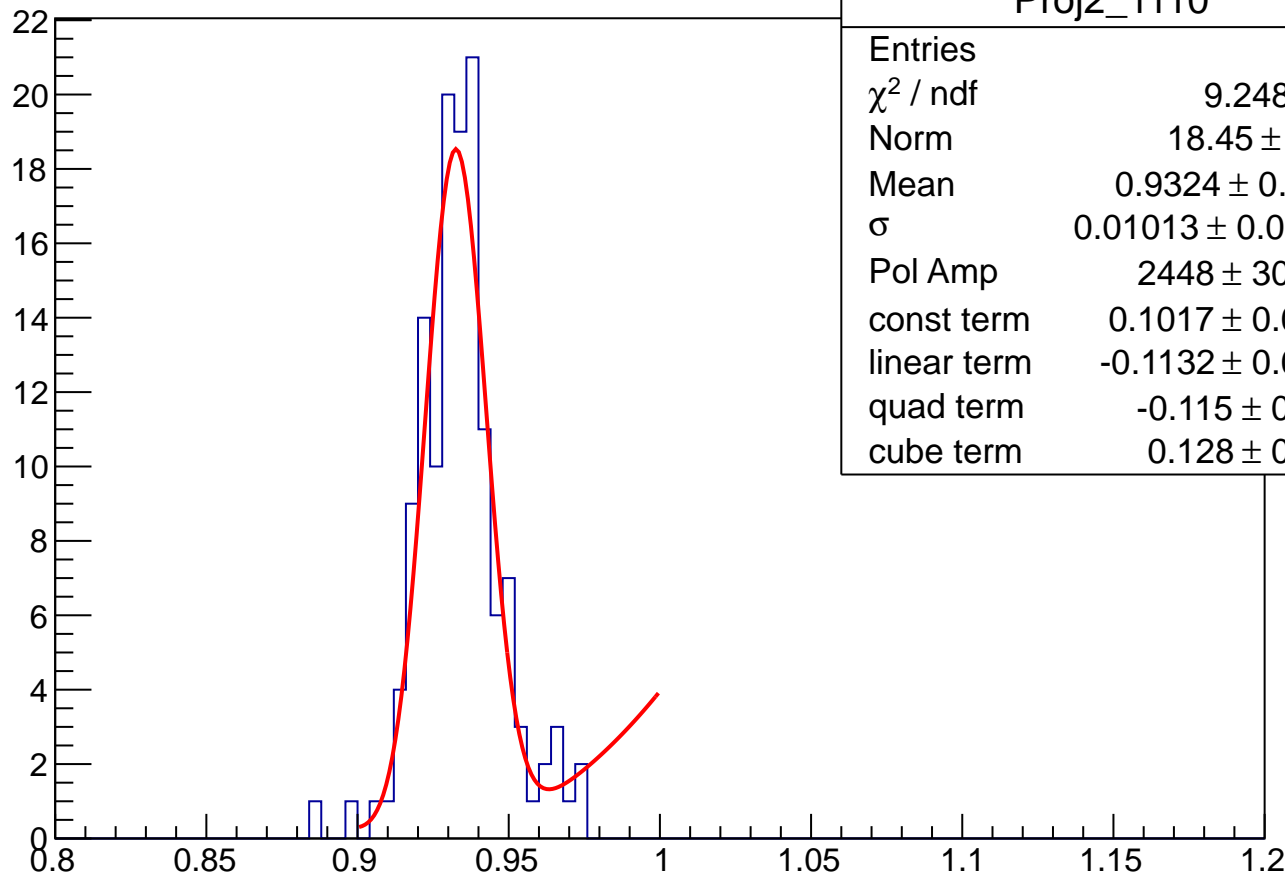
# PhiThetaMassPim



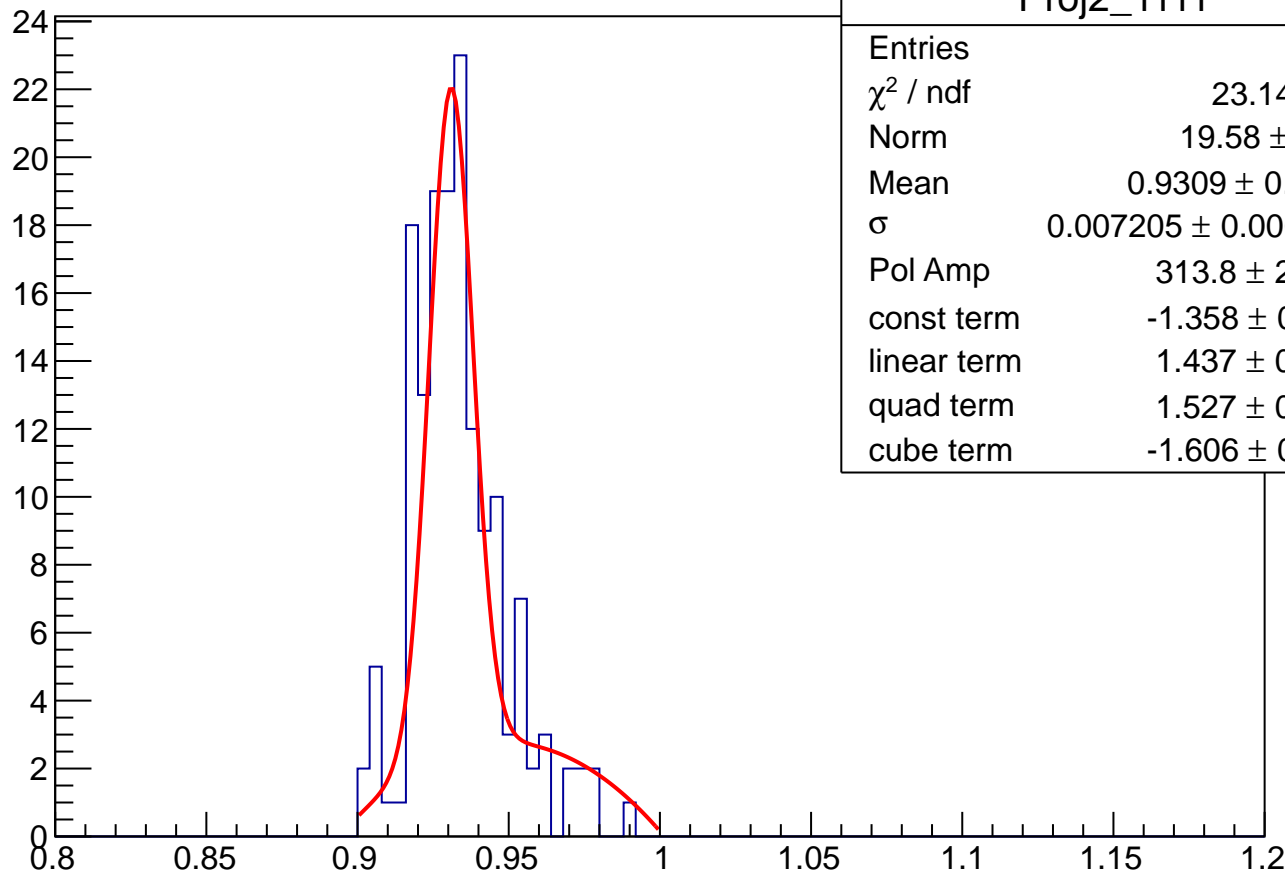
Proj2\_119

Entries	139
$\chi^2 / \text{ndf}$	10 / 11
Norm	$17.7 \pm 2.6$
Mean	$0.9281 \pm 0.0006$
$\sigma$	$0.007762 \pm 0.000846$
Pol Amp	$355.9 \pm 2.1$
const term	$-0.8232 \pm 0.5005$
linear term	$0.9086 \pm 0.5320$
quad term	$0.8668 \pm 0.5490$
cube term	$-0.9508 \pm 0.5821$

# PhiThetaMassPim



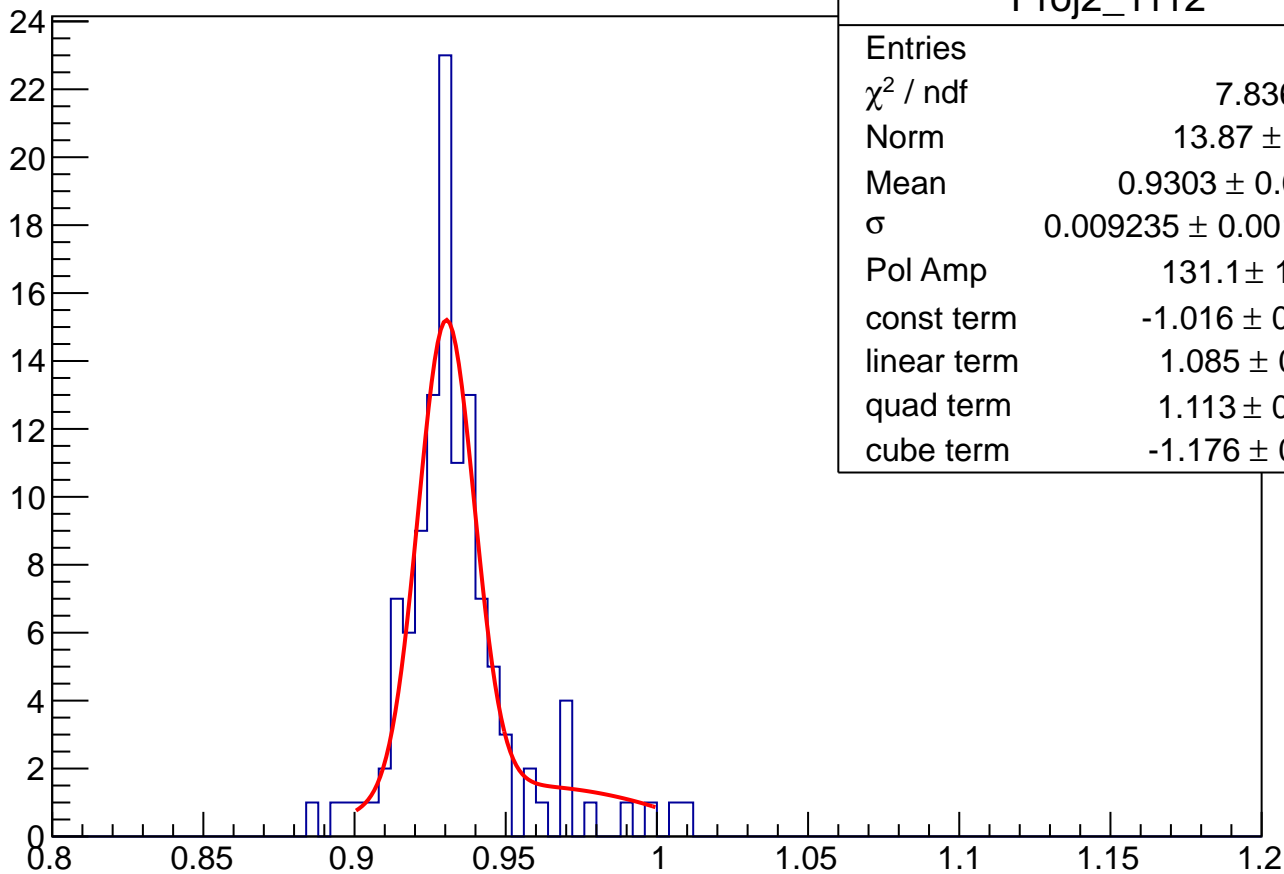
# PhiThetaMassPim



Proj2\_1111

Entries	154
$\chi^2 / \text{ndf}$	23.14 / 12
Norm	$19.58 \pm 2.81$
Mean	$0.9309 \pm 0.0011$
$\sigma$	$0.007205 \pm 0.000873$
Pol Amp	$313.8 \pm 205.8$
const term	$-1.358 \pm 0.012$
linear term	$1.437 \pm 0.015$
quad term	$1.527 \pm 0.016$
cube term	$-1.606 \pm 0.014$

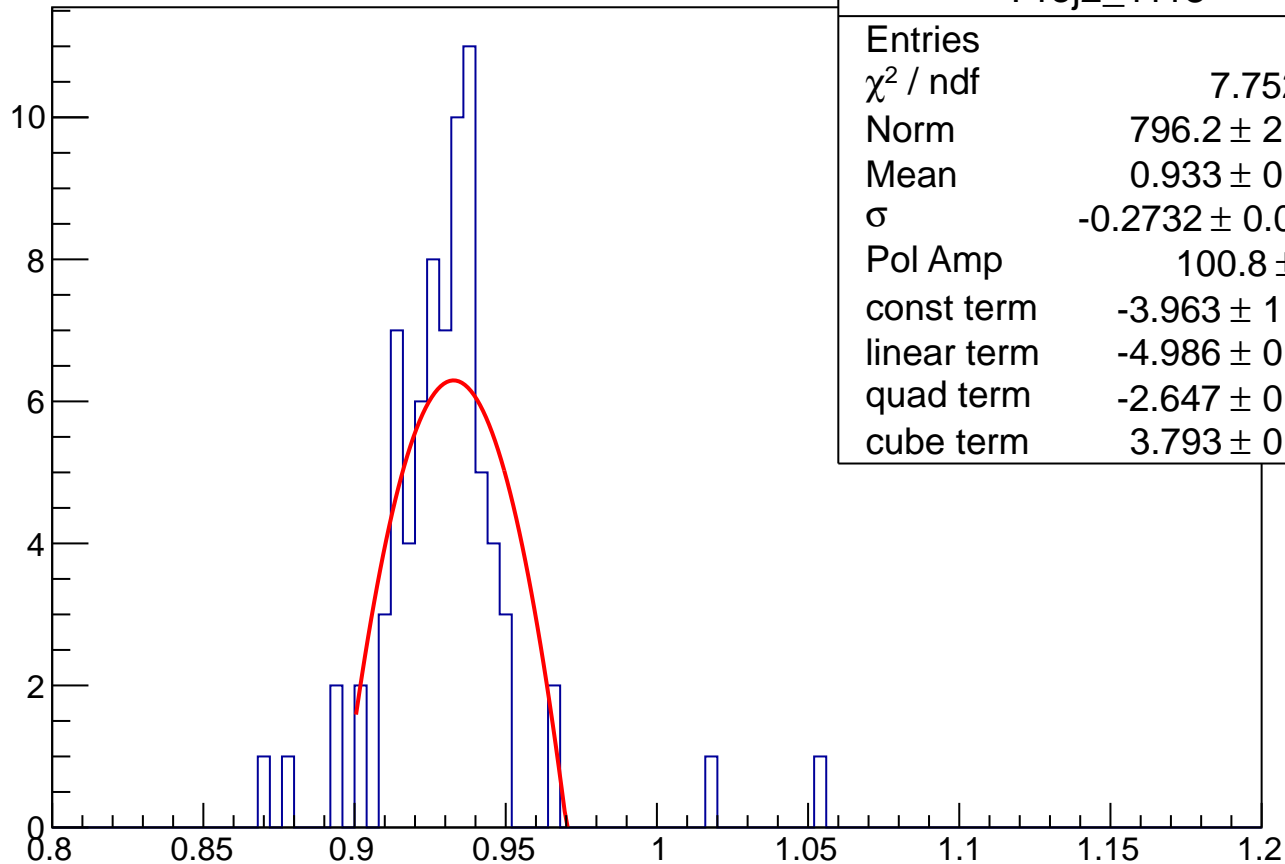
# PhiThetaMassPim



Proj2\_1112

Entries	116
$\chi^2 / \text{ndf}$	7.836 / 11
Norm	$13.87 \pm 2.18$
Mean	$0.9303 \pm 0.0013$
$\sigma$	$0.009235 \pm 0.001365$
Pol Amp	$131.1 \pm 184.2$
const term	$-1.016 \pm 0.026$
linear term	$1.085 \pm 0.031$
quad term	$1.113 \pm 0.033$
cube term	$-1.176 \pm 0.031$

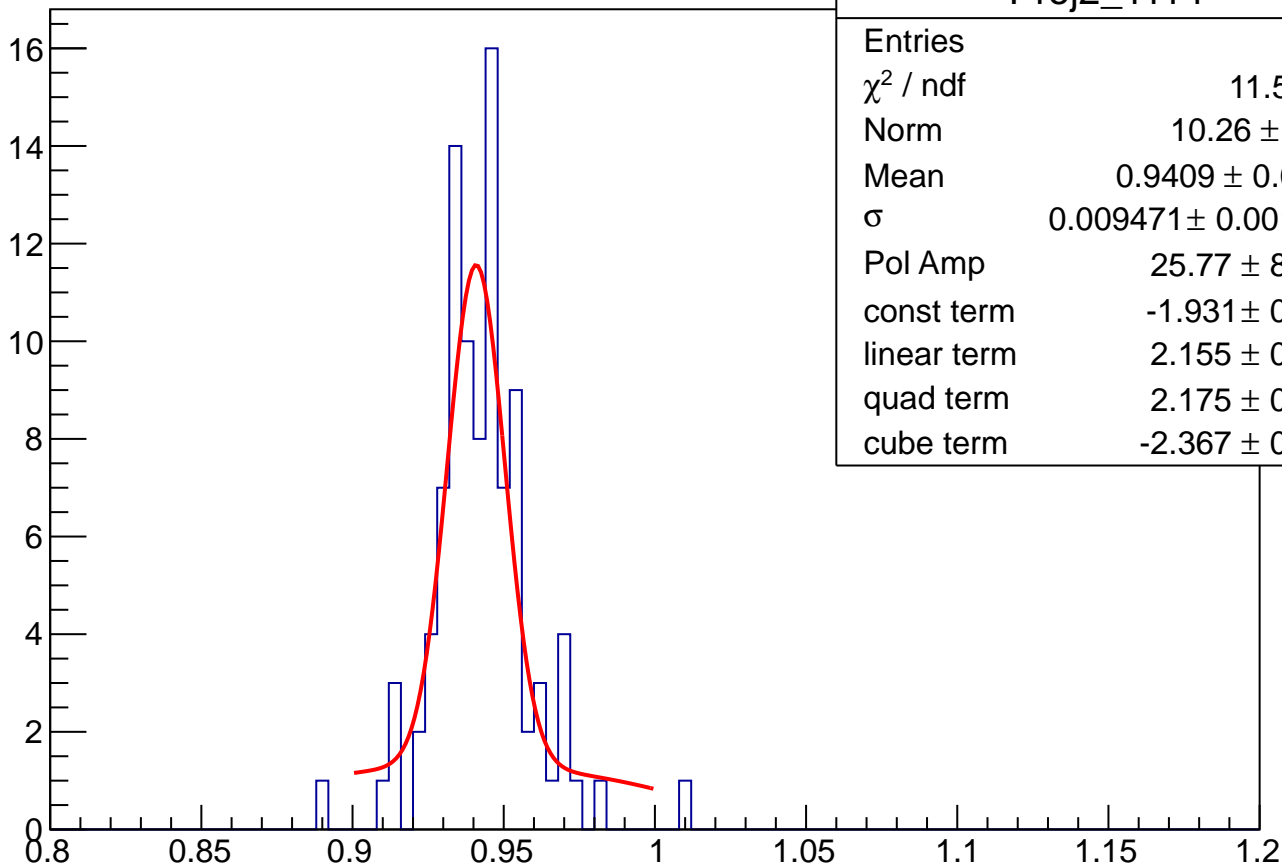
# PhiThetaMassPim



Proj2\_1113

Entries	78
$\chi^2 / \text{ndf}$	7.752 / 5
Norm	$796.2 \pm 219.7$
Mean	$0.933 \pm 0.000$
$\sigma$	$-0.2732 \pm 0.0013$
Pol Amp	$100.8 \pm 6.1$
const term	$-3.963 \pm 1.329$
linear term	$-4.986 \pm 0.585$
quad term	$-2.647 \pm 0.050$
cube term	$3.793 \pm 0.269$

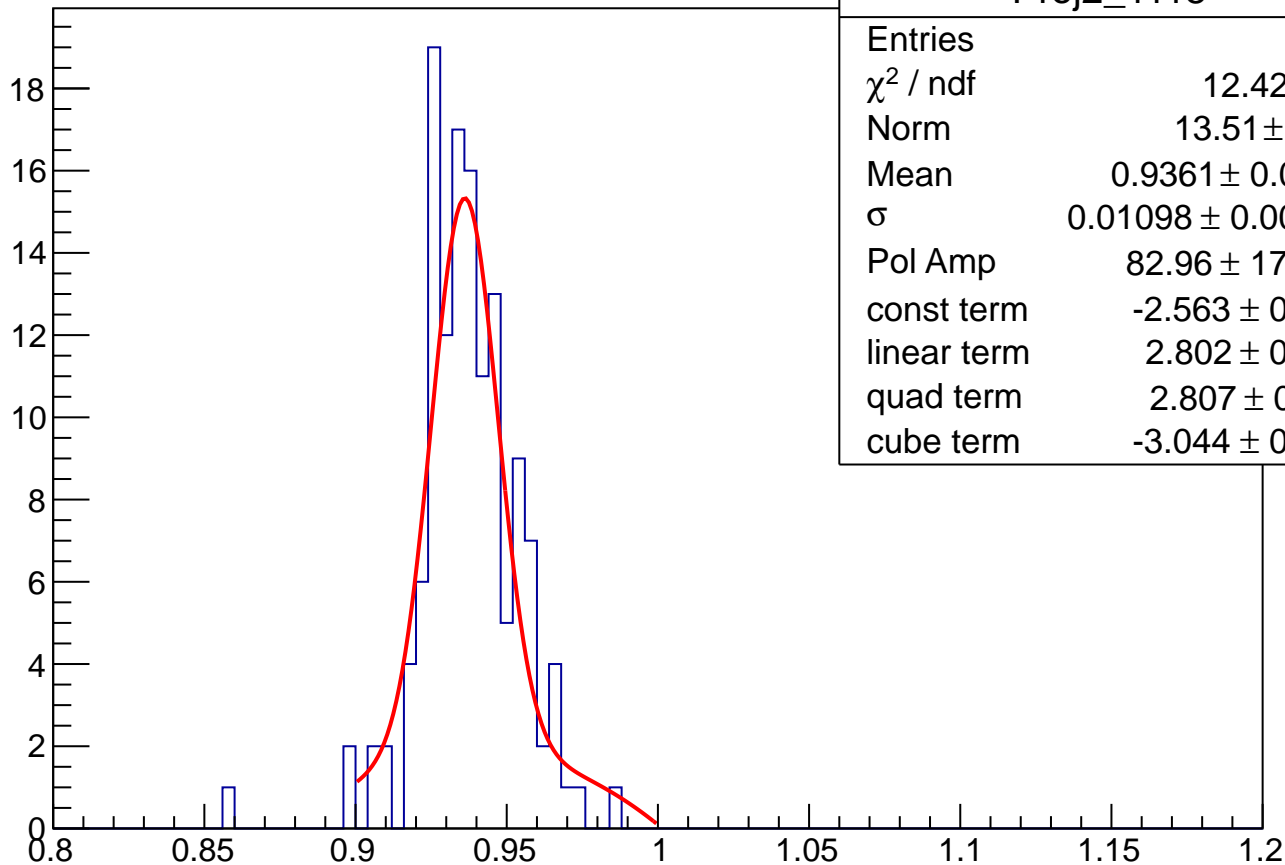
# PhiThetaMassPim



Proj2\_1114

Entries	95
$\chi^2 / \text{ndf}$	11.52 / 9
Norm	$10.26 \pm 1.84$
Mean	$0.9409 \pm 0.0016$
$\sigma$	$0.009471 \pm 0.001494$
Pol Amp	$25.77 \pm 83.96$
const term	$-1.931 \pm 0.163$
linear term	$2.155 \pm 0.173$
quad term	$2.175 \pm 0.175$
cube term	$-2.367 \pm 0.166$

# PhiThetaMassPim

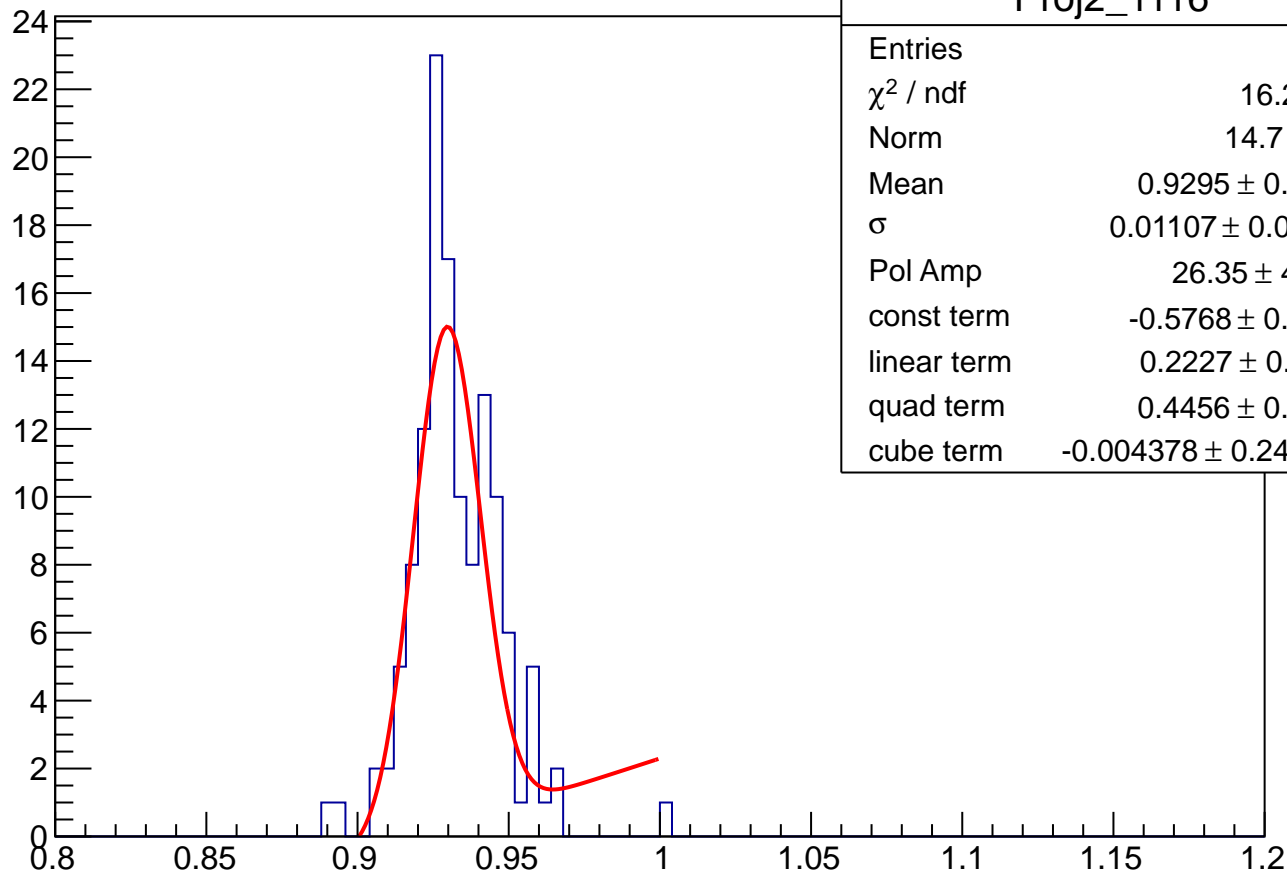


Proj2\_1115

Entries	135
$\chi^2 / \text{ndf}$	12.42 / 10
Norm	$13.51 \pm 2.21$
Mean	$0.9361 \pm 0.0016$
$\sigma$	$0.01098 \pm 0.00238$
Pol Amp	$82.96 \pm 172.75$
const term	$-2.563 \pm 0.053$
linear term	$2.802 \pm 0.059$
quad term	$2.807 \pm 0.061$
cube term	$-3.044 \pm 0.058$



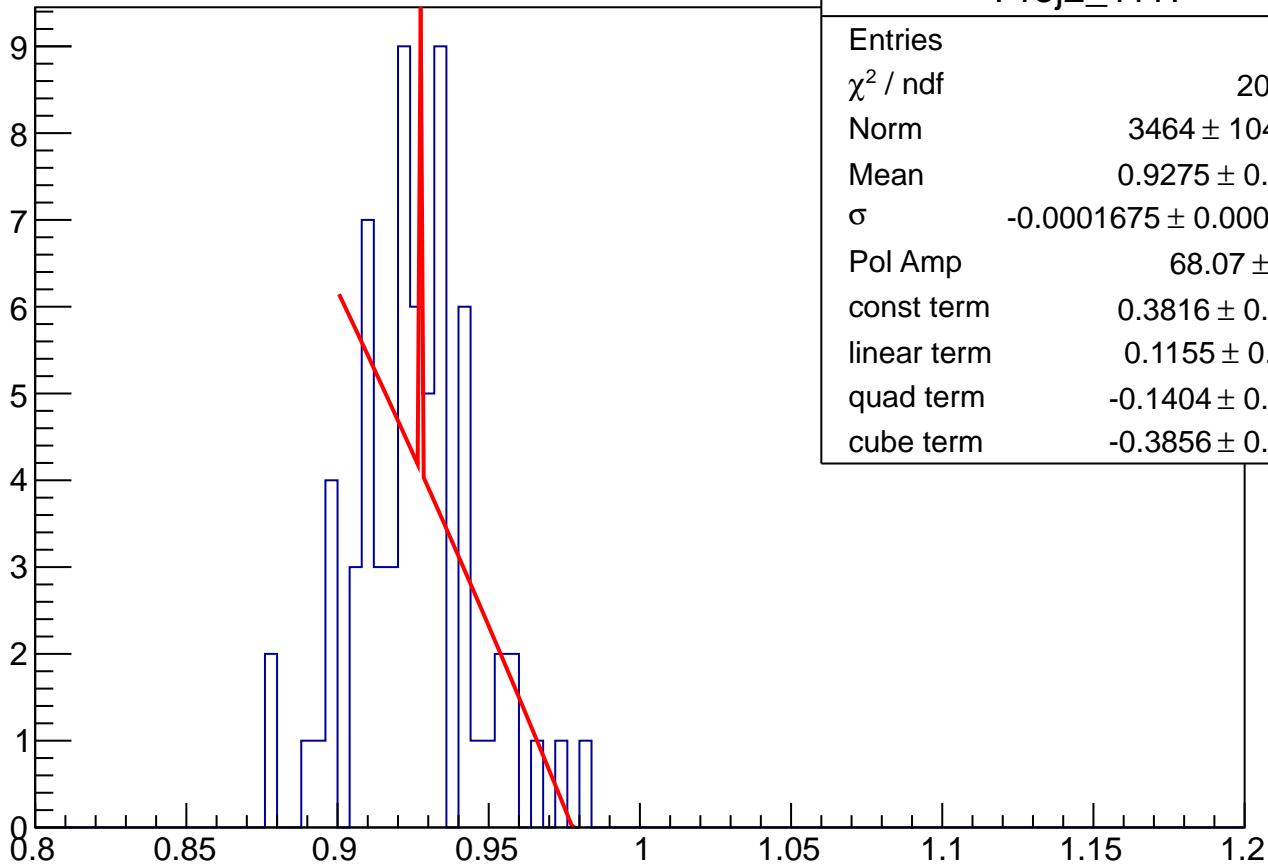
# PhiThetaMassPim



Proj2\_1116

Entries	129
$\chi^2 / \text{ndf}$	16.25 / 8
Norm	$14.7 \pm 2.2$
Mean	$0.9295 \pm 0.0017$
$\sigma$	$0.01107 \pm 0.00196$
Pol Amp	$26.35 \pm 41.93$
const term	$-0.5768 \pm 0.1978$
linear term	$0.2227 \pm 0.2118$
quad term	$0.4456 \pm 0.2264$
cube term	$-0.004378 \pm 0.241225$

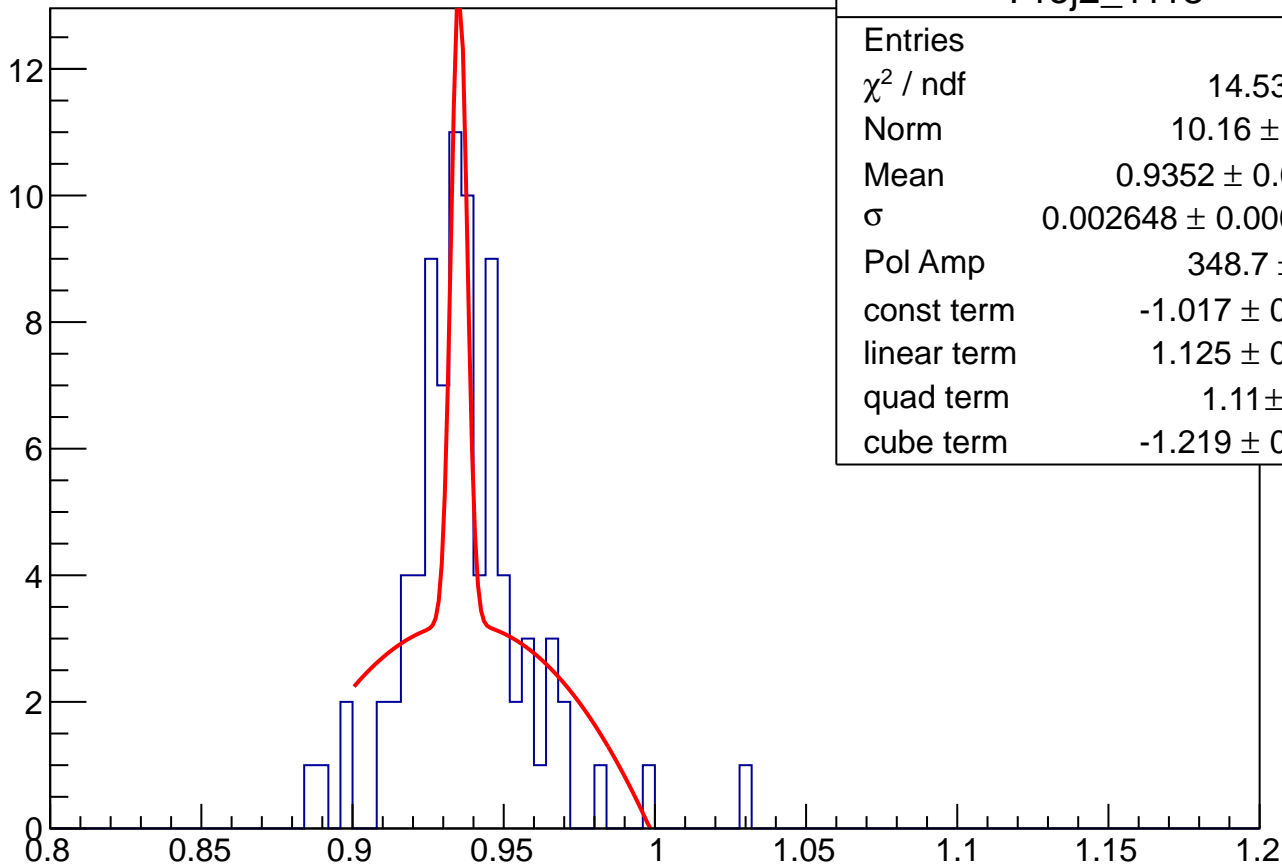
# PhiThetaMassPim



Proj2\_1117

Entries	68
$\chi^2 / \text{ndf}$	20.1 / 8
Norm	$3464 \pm 10424.8$
Mean	$0.9275 \pm 0.0005$
$\sigma$	$-0.0001675 \pm 0.0000122$
Pol Amp	$68.07 \pm 8.08$
const term	$0.3816 \pm 0.0039$
linear term	$0.1155 \pm 0.0041$
quad term	$-0.1404 \pm 0.0043$
cube term	$-0.3856 \pm 0.0046$

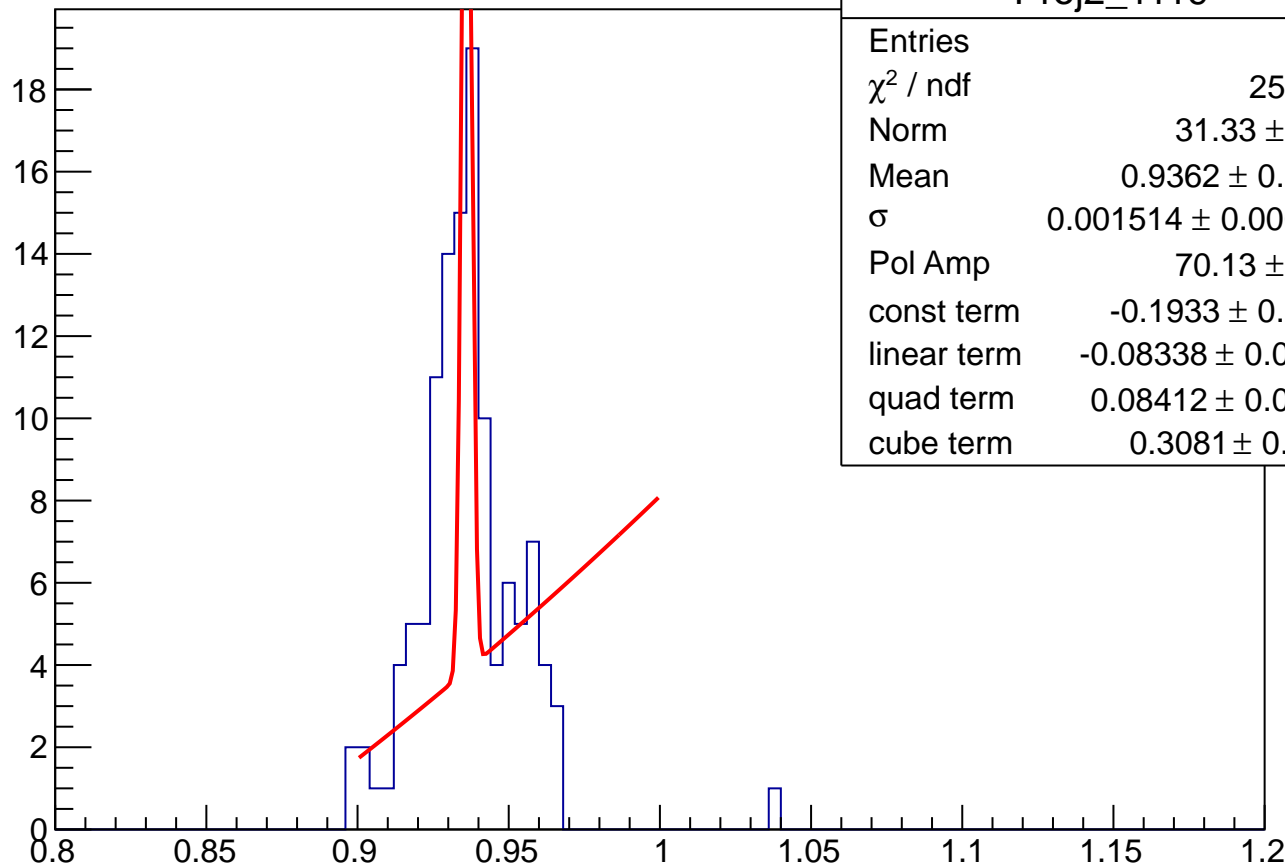
# PhiThetaMassPim



Proj2\_1118

Entries	84
$\chi^2 / \text{ndf}$	14.53 / 10
Norm	$10.16 \pm 3.16$
Mean	$0.9352 \pm 0.0003$
$\sigma$	$0.002648 \pm 0.000454$
Pol Amp	$348.7 \pm 1.0$
const term	$-1.017 \pm 0.473$
linear term	$1.125 \pm 0.503$
quad term	$1.11 \pm 0.51$
cube term	$-1.219 \pm 0.536$

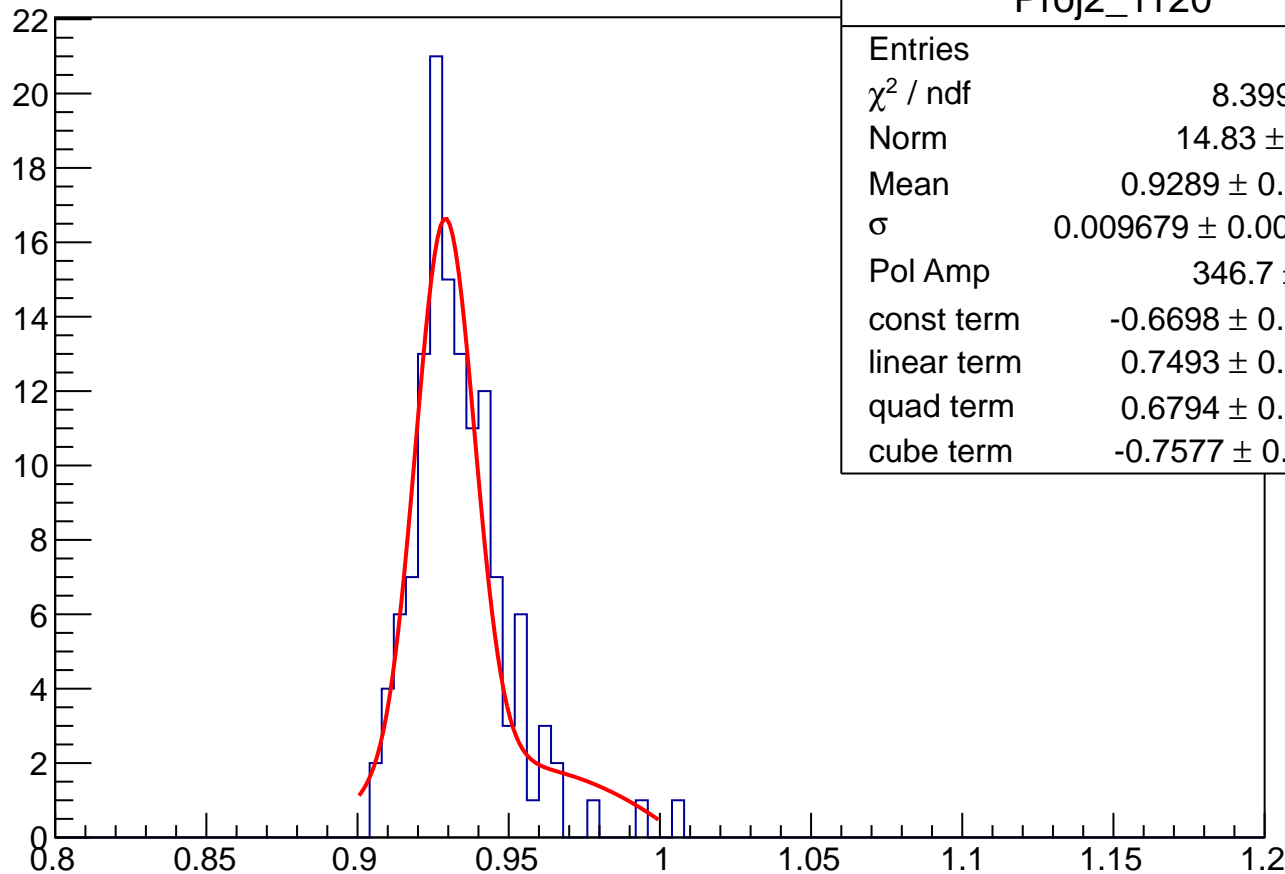
# PhiThetaMassPim



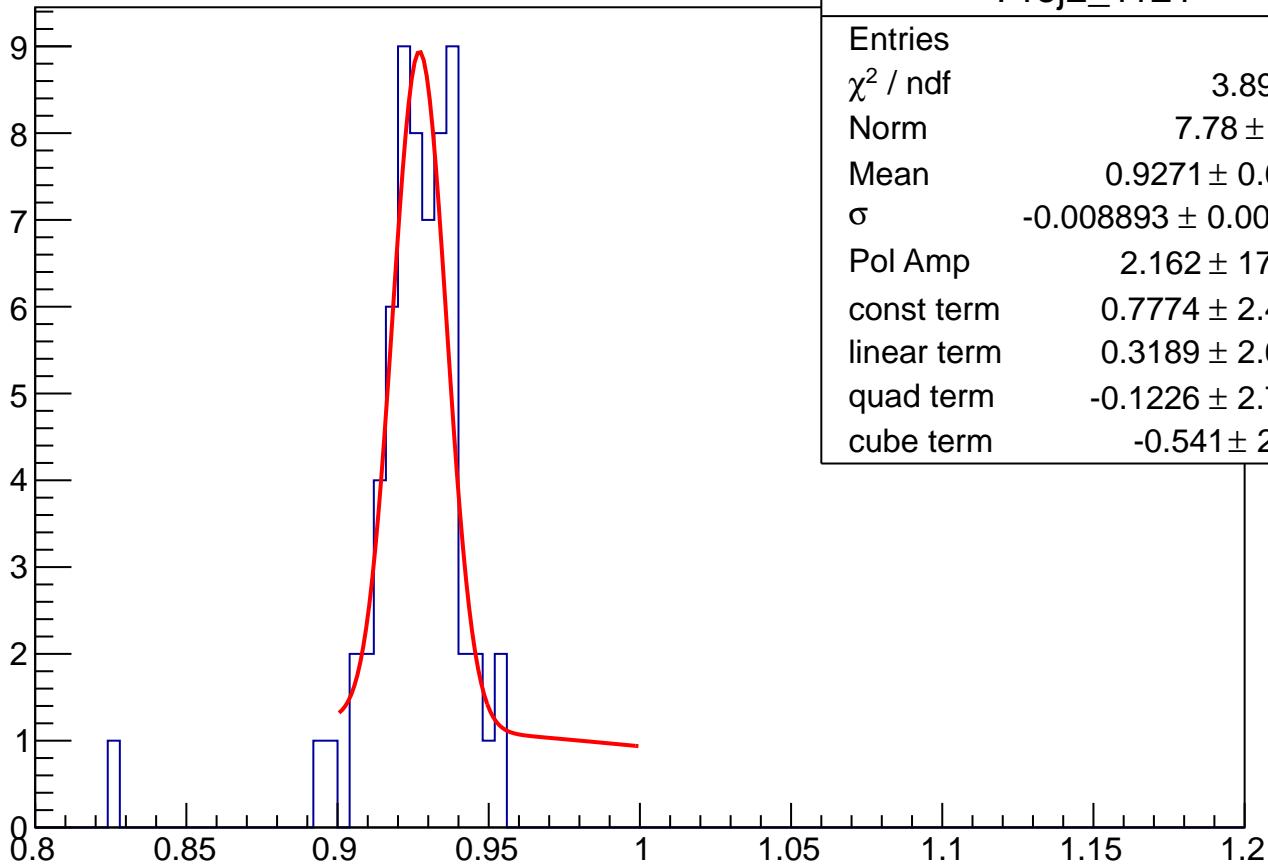
Proj2\_1119

Entries	119
$\chi^2 / \text{ndf}$	25.7 / 9
Norm	$31.33 \pm 9.13$
Mean	$0.9362 \pm 0.0002$
$\sigma$	$0.001514 \pm 0.000165$
Pol Amp	$70.13 \pm 0.17$
const term	$-0.1933 \pm 0.0803$
linear term	$-0.08338 \pm 0.03371$
quad term	$0.08412 \pm 0.03531$
cube term	$0.3081 \pm 0.1031$

# PhiThetaMassPim



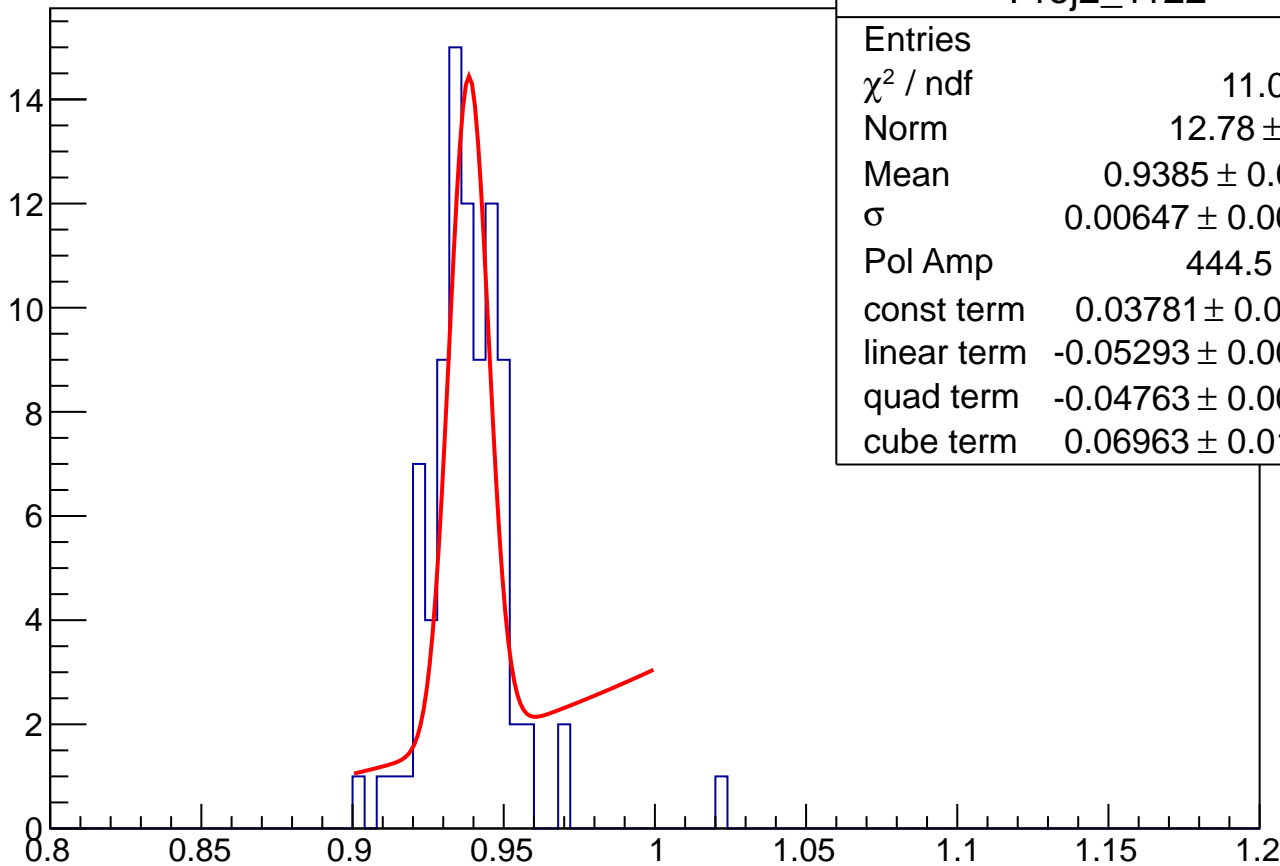
# PhiThetaMassPim



Proj2\_1121

Entries	65
$\chi^2 / \text{ndf}$	3.894 / 5
Norm	$7.78 \pm 1.74$
Mean	$0.9271 \pm 0.0020$
$\sigma$	$-0.008893 \pm 0.002121$
Pol Amp	$2.162 \pm 17.282$
const term	$0.7774 \pm 2.4577$
linear term	$0.3189 \pm 2.6424$
quad term	$-0.1226 \pm 2.7745$
cube term	$-0.541 \pm 2.842$

# PhiThetaMassPim



# PhiThetaMassPim

