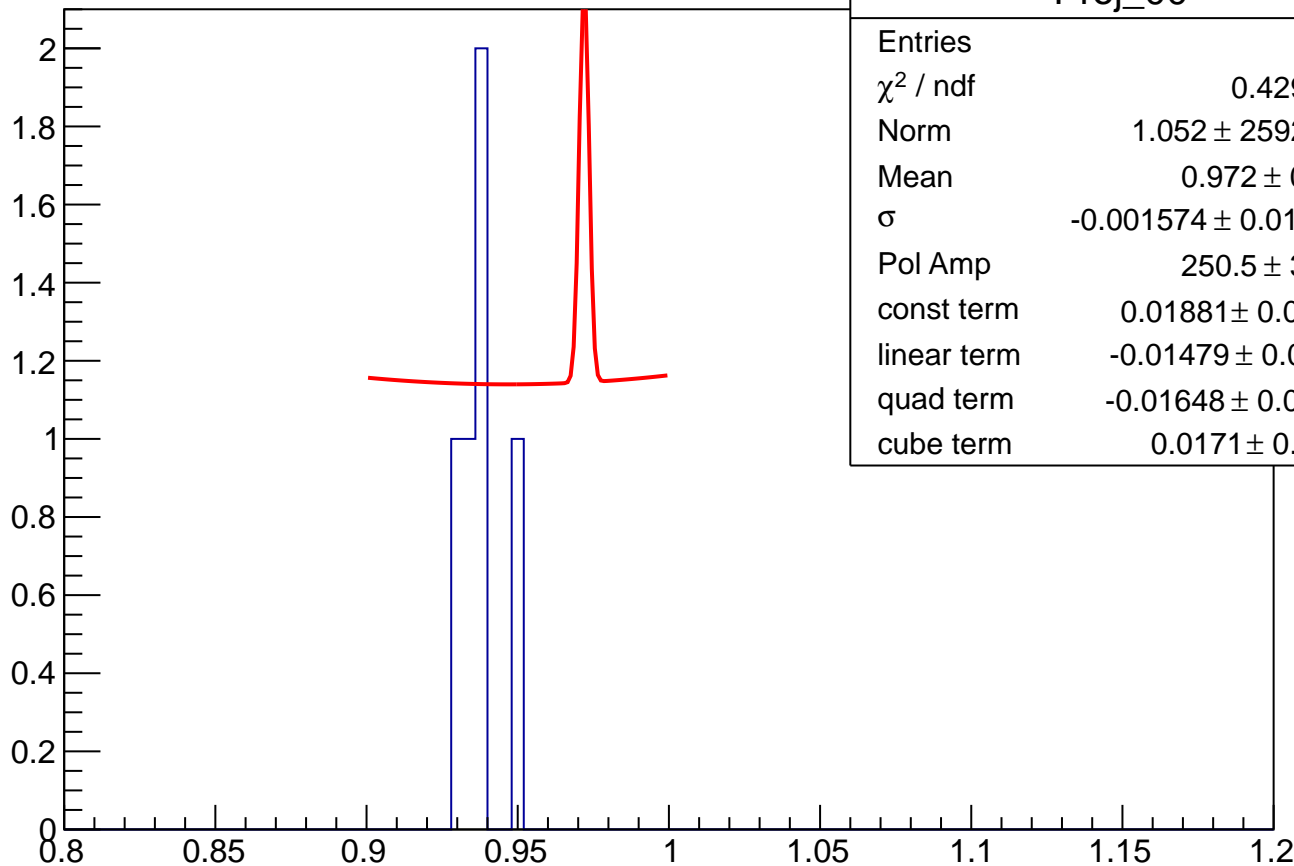


# PhiThetaMassPip



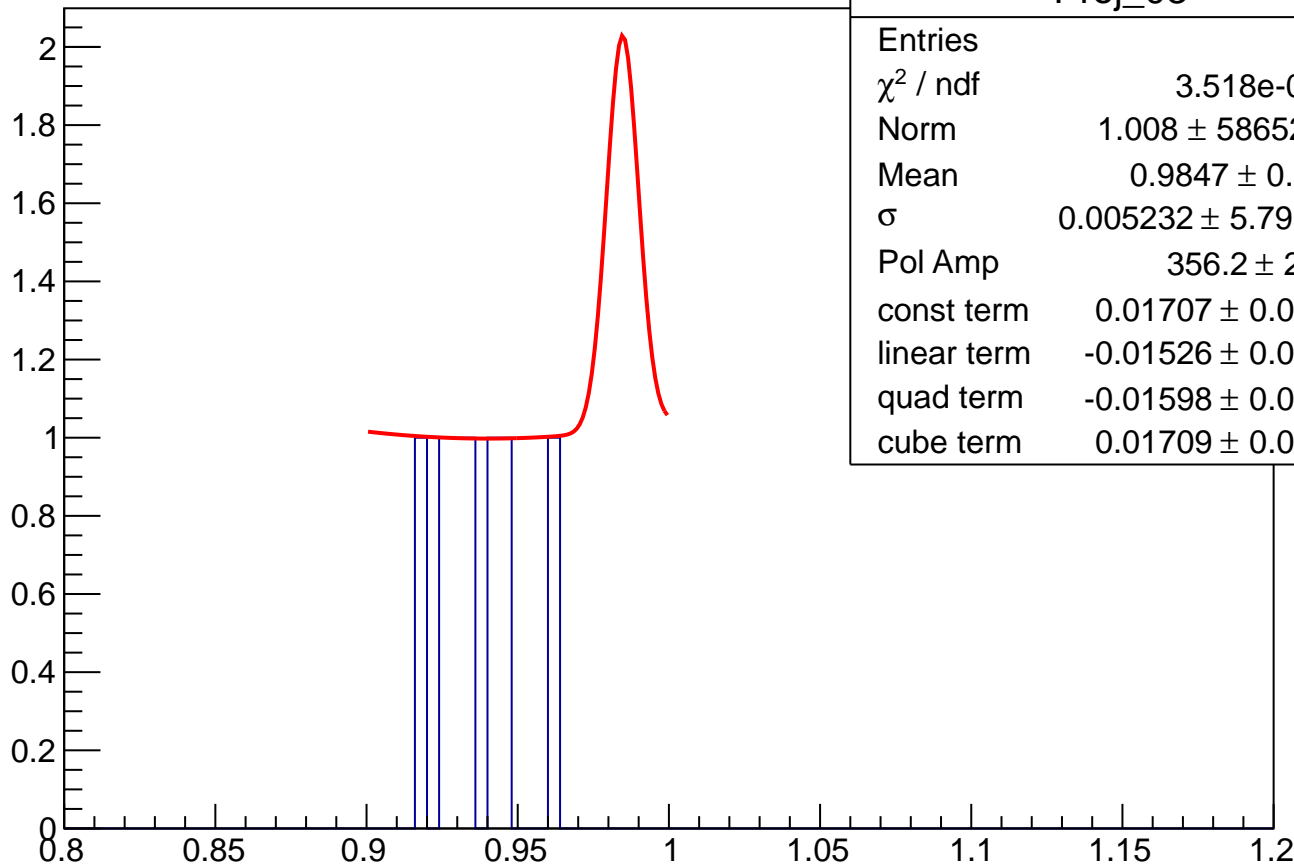
Proj\_00

Entries	5
$\chi^2 / \text{ndf}$	0.4291 / 0
Norm	$1.052 \pm 2592.145$
Mean	$0.972 \pm 0.002$
$\sigma$	$-0.001574 \pm 0.019193$
Pol Amp	$250.5 \pm 362.5$
const term	$0.01881 \pm 0.06910$
linear term	$-0.01479 \pm 0.02451$
quad term	$-0.01648 \pm 0.03639$
cube term	$0.0171 \pm 0.0699$





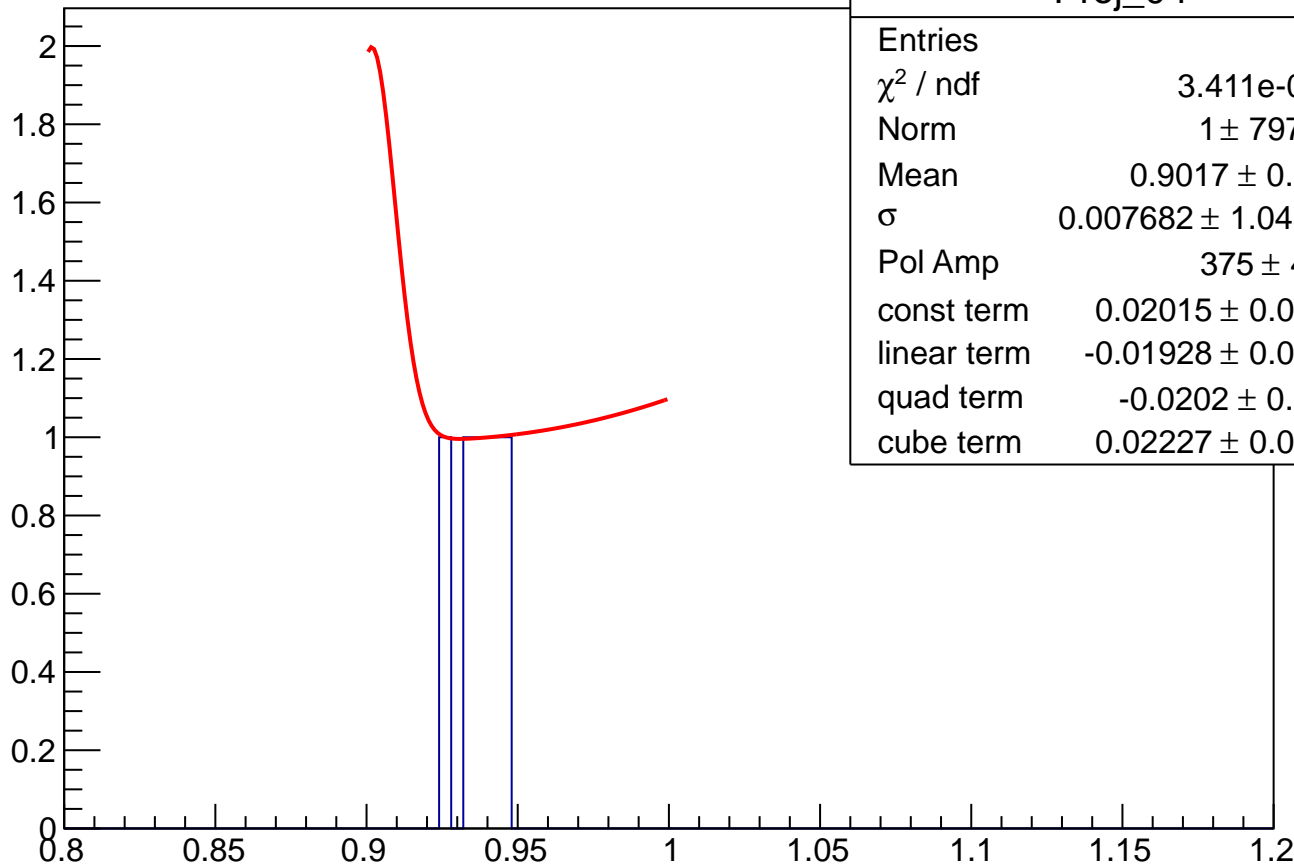
# PhiThetaMassPip



Proj\_03

Entries	7
$\chi^2 / \text{ndf}$	3.518e-05 / 0
Norm	$1.008 \pm 58652.391$
Mean	$0.9847 \pm 0.0975$
$\sigma$	$0.005232 \pm 5.795024$
Pol Amp	$356.2 \pm 291.6$
const term	$0.01707 \pm 0.00229$
linear term	$-0.01526 \pm 0.00245$
quad term	$-0.01598 \pm 0.00262$
cube term	$0.01709 \pm 0.00280$

# PhiThetaMassPip



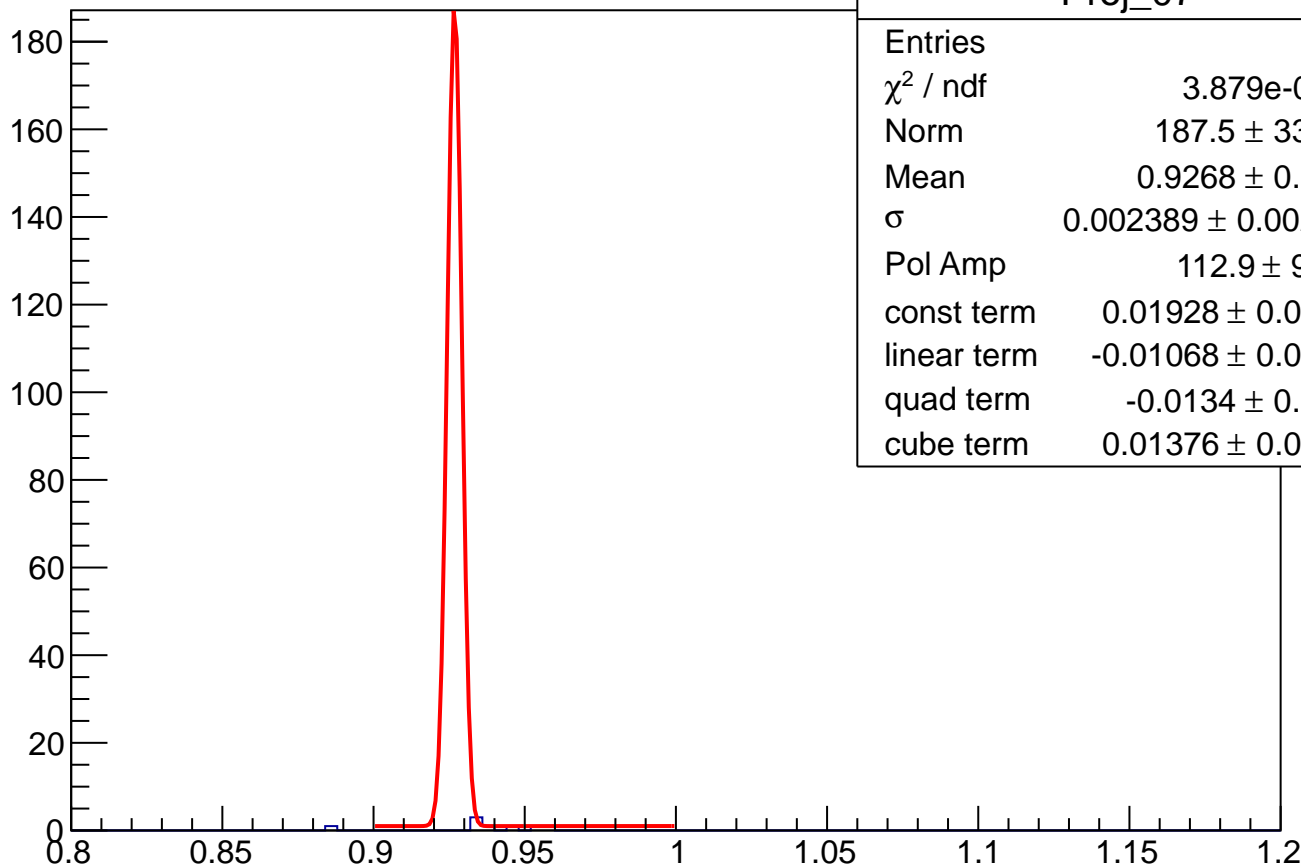
Proj\_04

Entries	5
$\chi^2 / \text{ndf}$	3.411e-05 / 0
Norm	$1 \pm 79778.5$
Mean	$0.9017 \pm 0.0924$
$\sigma$	$0.007682 \pm 1.045770$
Pol Amp	$375 \pm 413.1$
const term	$0.02015 \pm 0.00293$
linear term	$-0.01928 \pm 0.00312$
quad term	$-0.0202 \pm 0.0033$
cube term	$0.02227 \pm 0.00355$



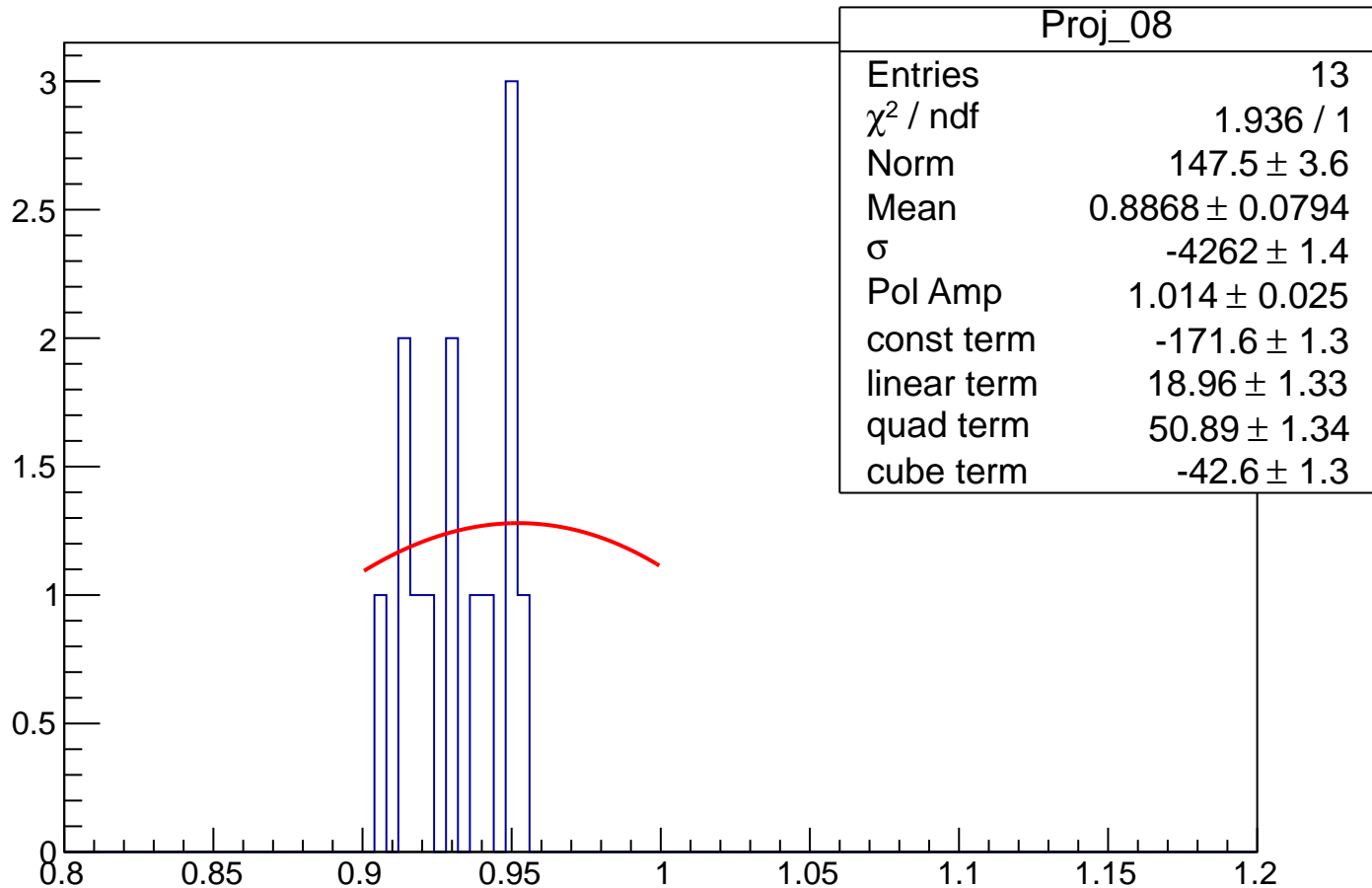


# PhiThetaMassPip

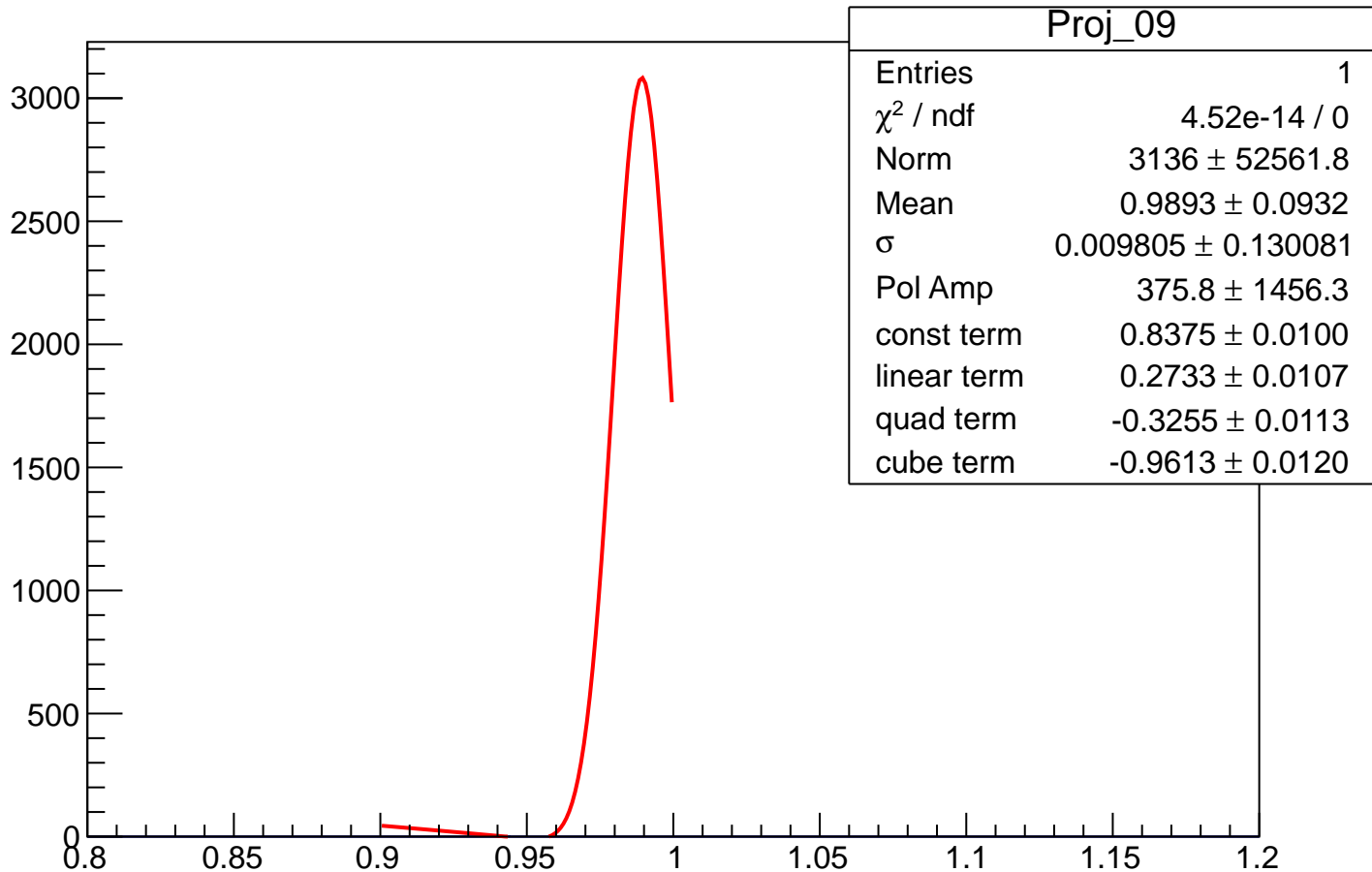




# PhiThetaMassPip



# PhiThetaMassPip









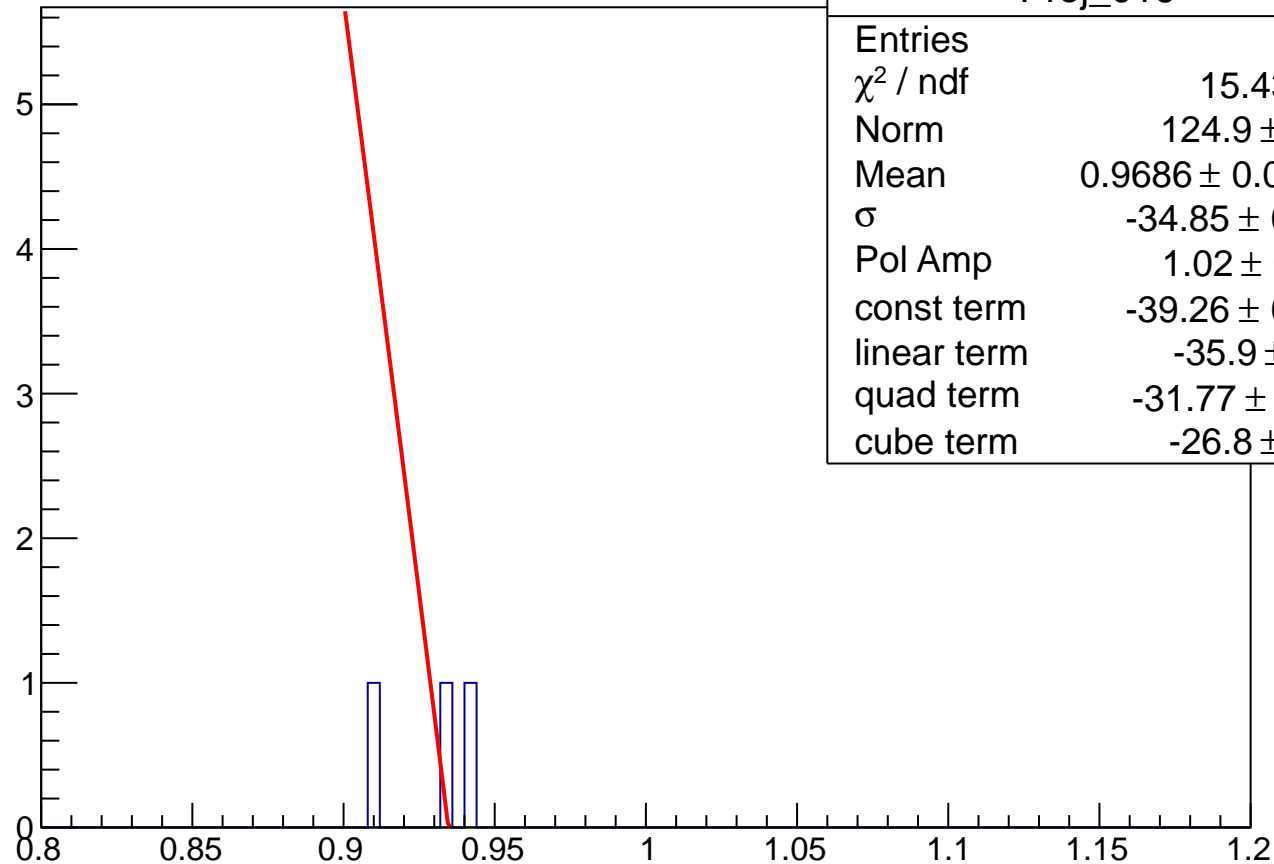








# PhiThetaMassPip



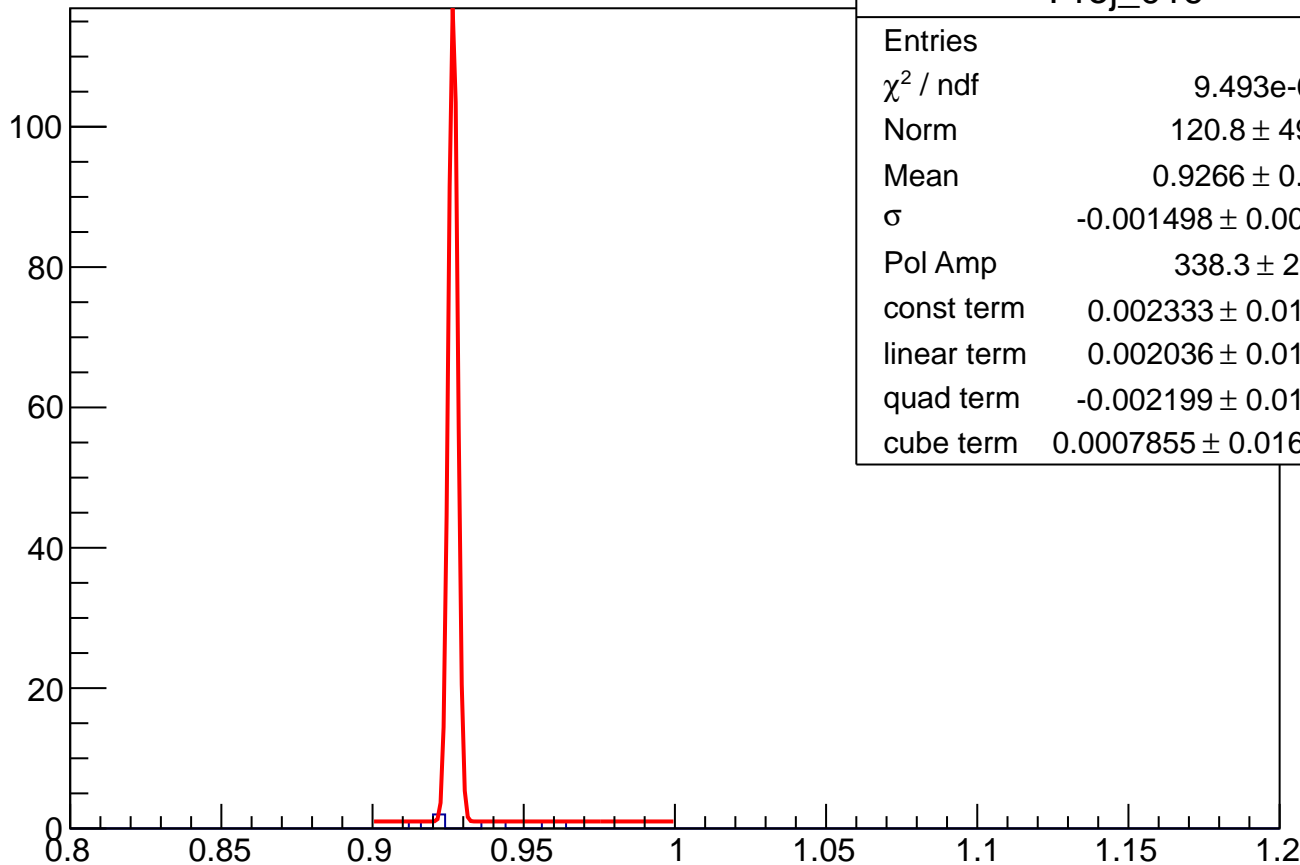
Proj\_016

Entries	3
$\chi^2 / \text{ndf}$	15.43 / 0
Norm	$124.9 \pm 1.4$
Mean	$0.9686 \pm 0.0548$
$\sigma$	$-34.85 \pm 0.13$
Pol Amp	$1.02 \pm 0.02$
const term	$-39.26 \pm 0.09$
linear term	$-35.9 \pm 0.1$
quad term	$-31.77 \pm 0.41$
cube term	$-26.8 \pm 0.7$





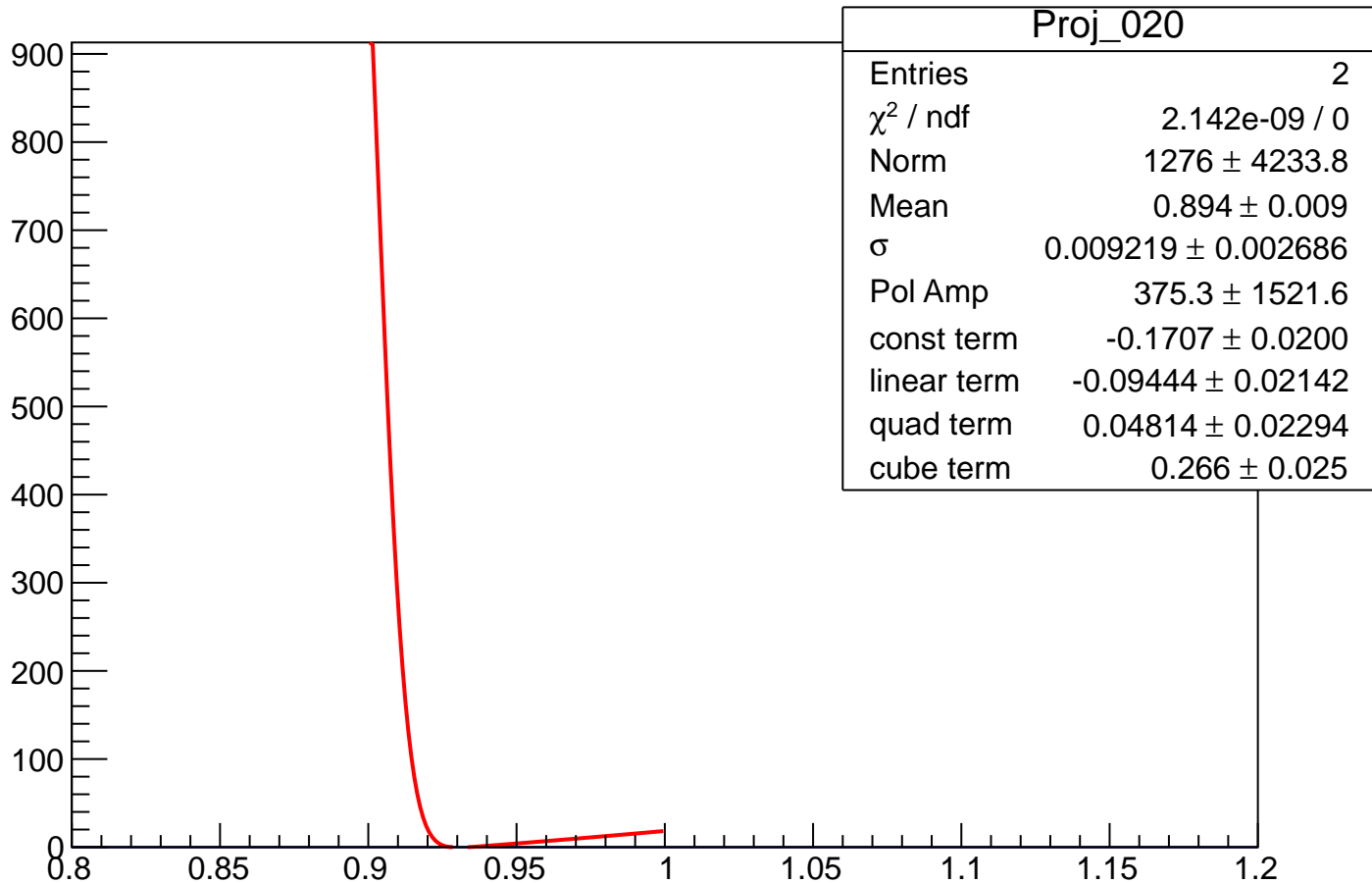
# PhiThetaMassPip



Proj\_019

Entries	7
$\chi^2 / \text{ndf}$	9.493e-08 / 0
Norm	$120.8 \pm 4953.4$
Mean	$0.9266 \pm 0.0063$
$\sigma$	$-0.001498 \pm 0.002054$
Pol Amp	$338.3 \pm 2100.1$
const term	$0.002333 \pm 0.014135$
linear term	$0.002036 \pm 0.015482$
quad term	$-0.002199 \pm 0.016180$
cube term	$0.0007855 \pm 0.0160724$

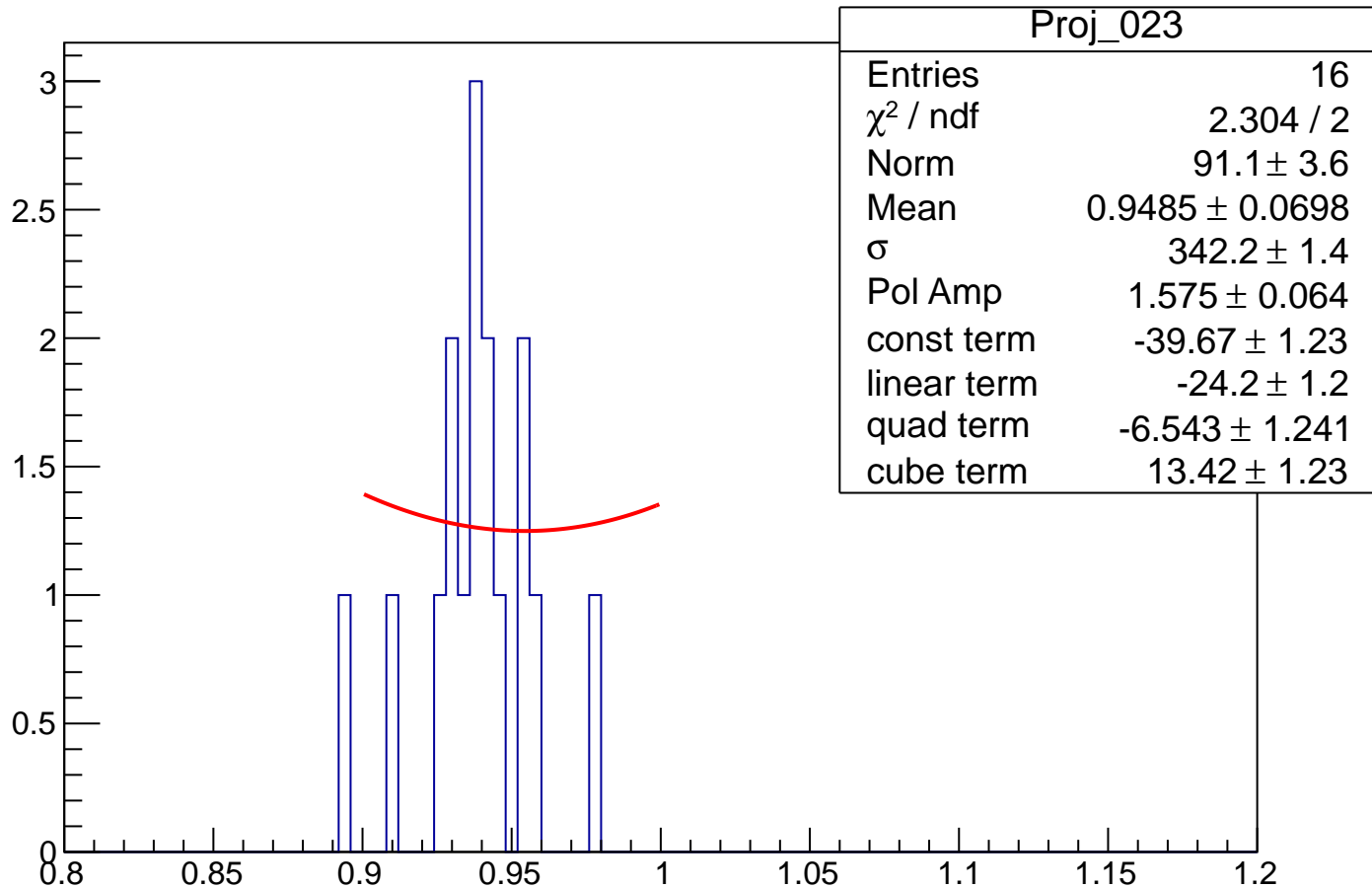
# PhiThetaMassPip





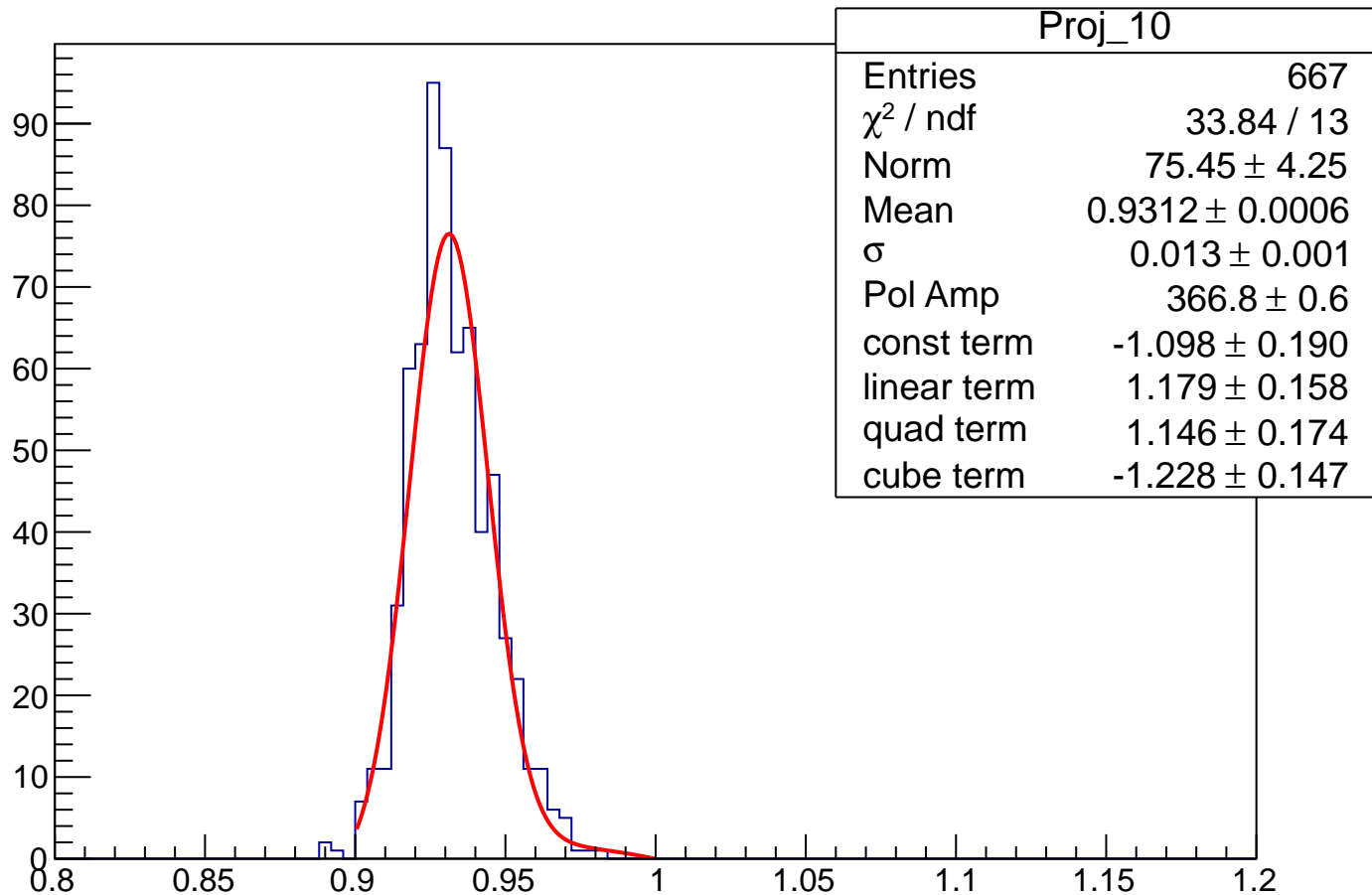


# PhiThetaMassPip

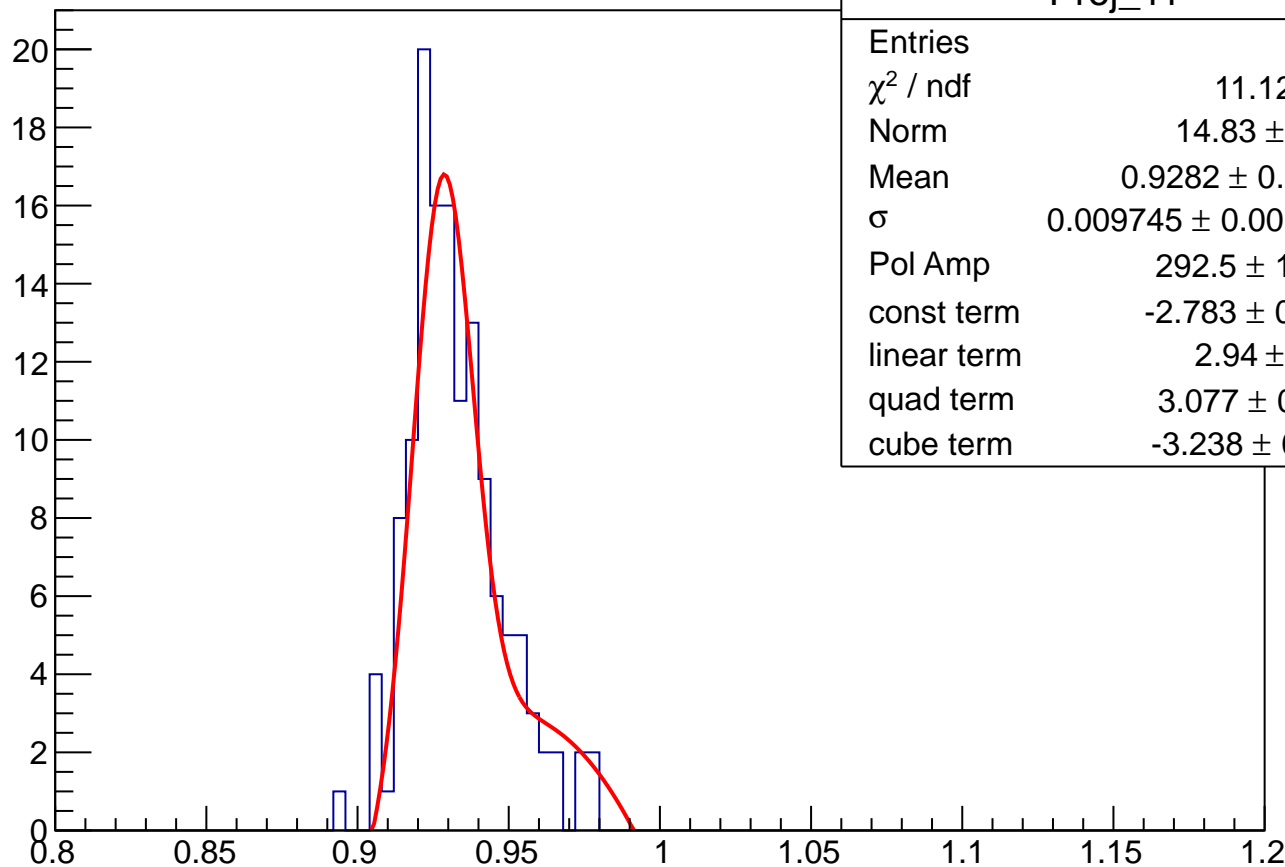




# PhiThetaMassPip



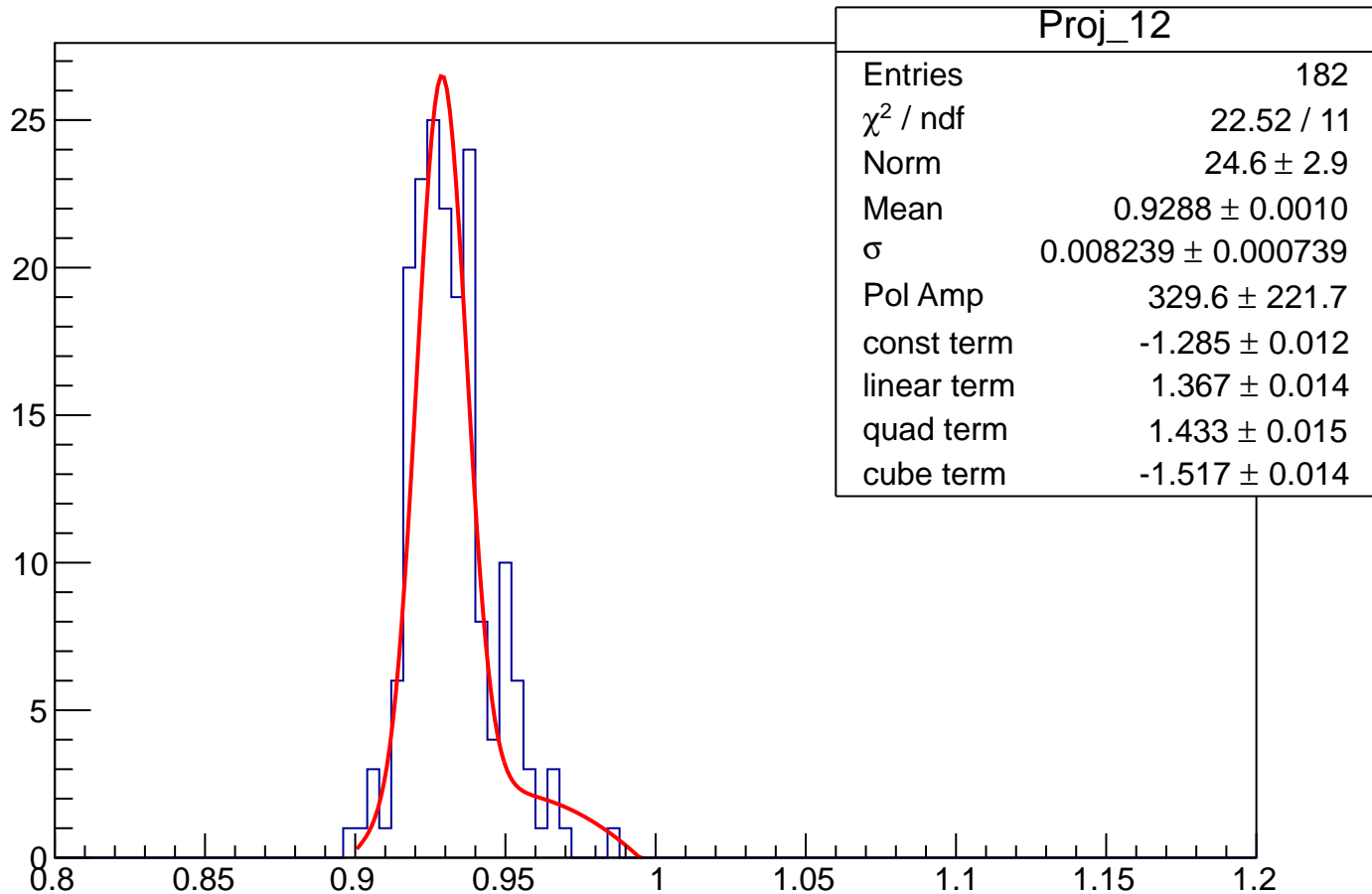
# PhiThetaMassPip



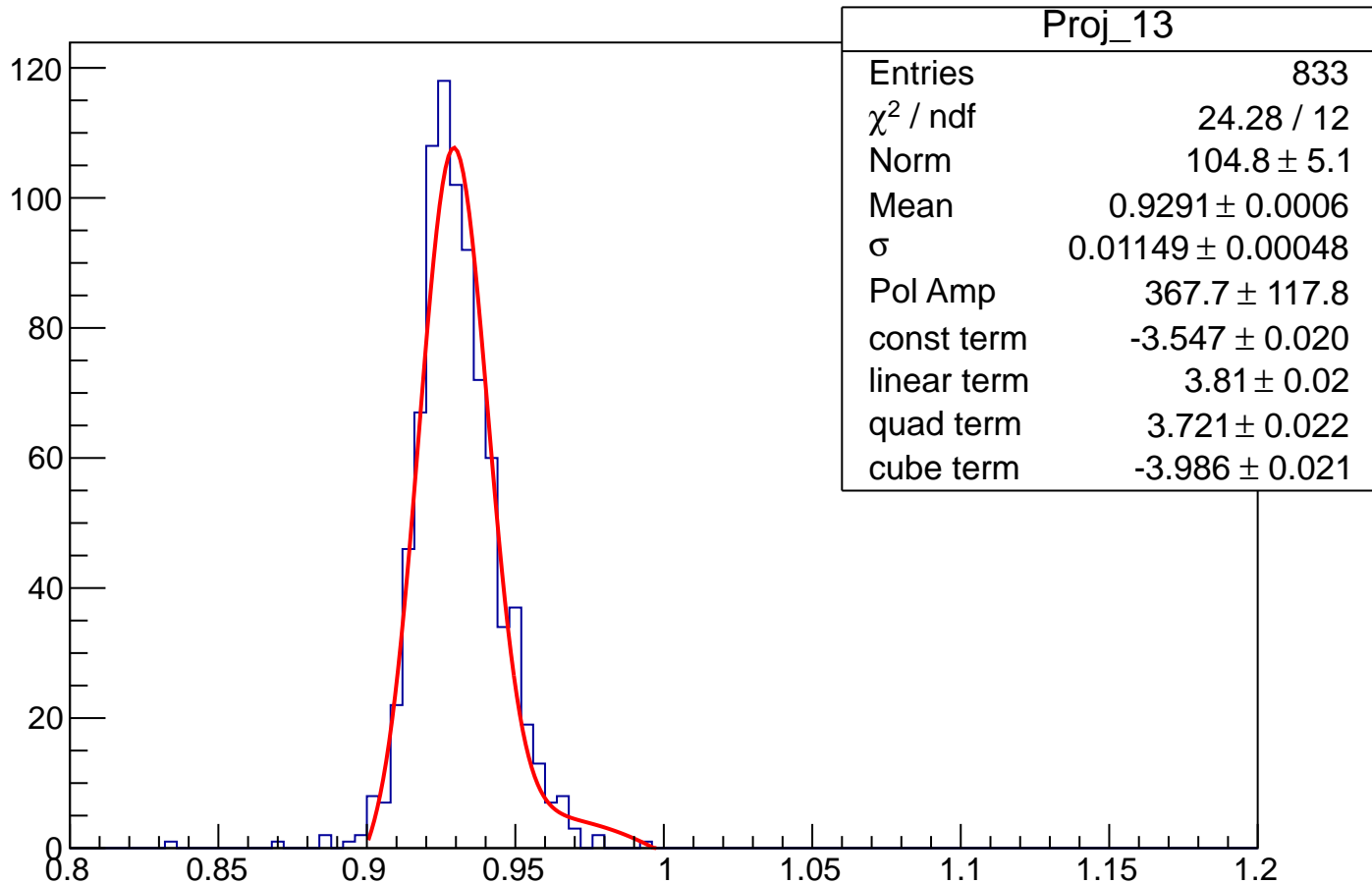
Proj\_11

Entries	136
$\chi^2 / \text{ndf}$	11.12 / 10
Norm	$14.83 \pm 2.26$
Mean	$0.9282 \pm 0.0018$
$\sigma$	$0.009745 \pm 0.001537$
Pol Amp	$292.5 \pm 178.5$
const term	$-2.783 \pm 0.018$
linear term	$2.94 \pm 0.02$
quad term	$3.077 \pm 0.020$
cube term	$-3.238 \pm 0.021$

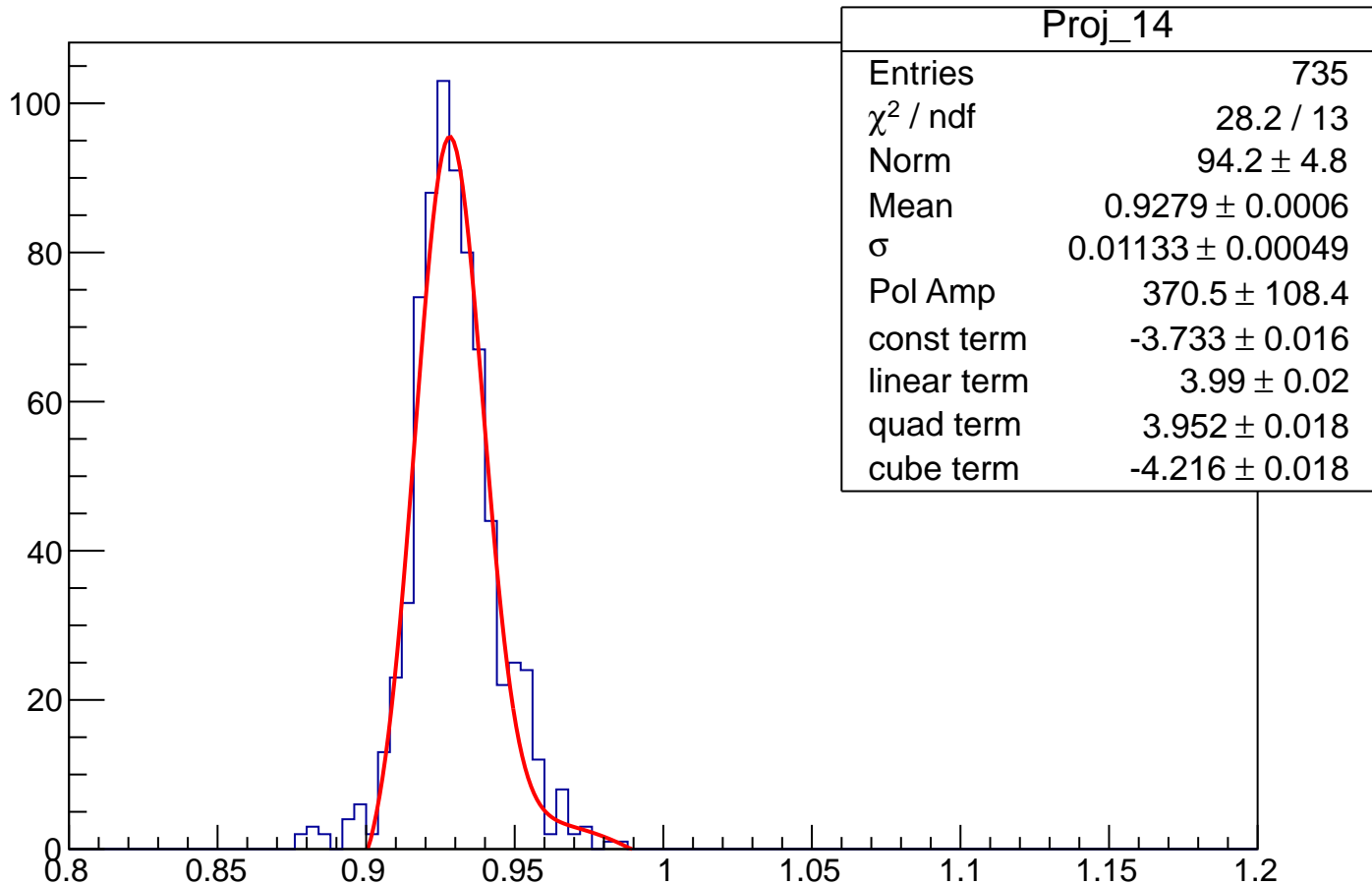
# PhiThetaMassPip



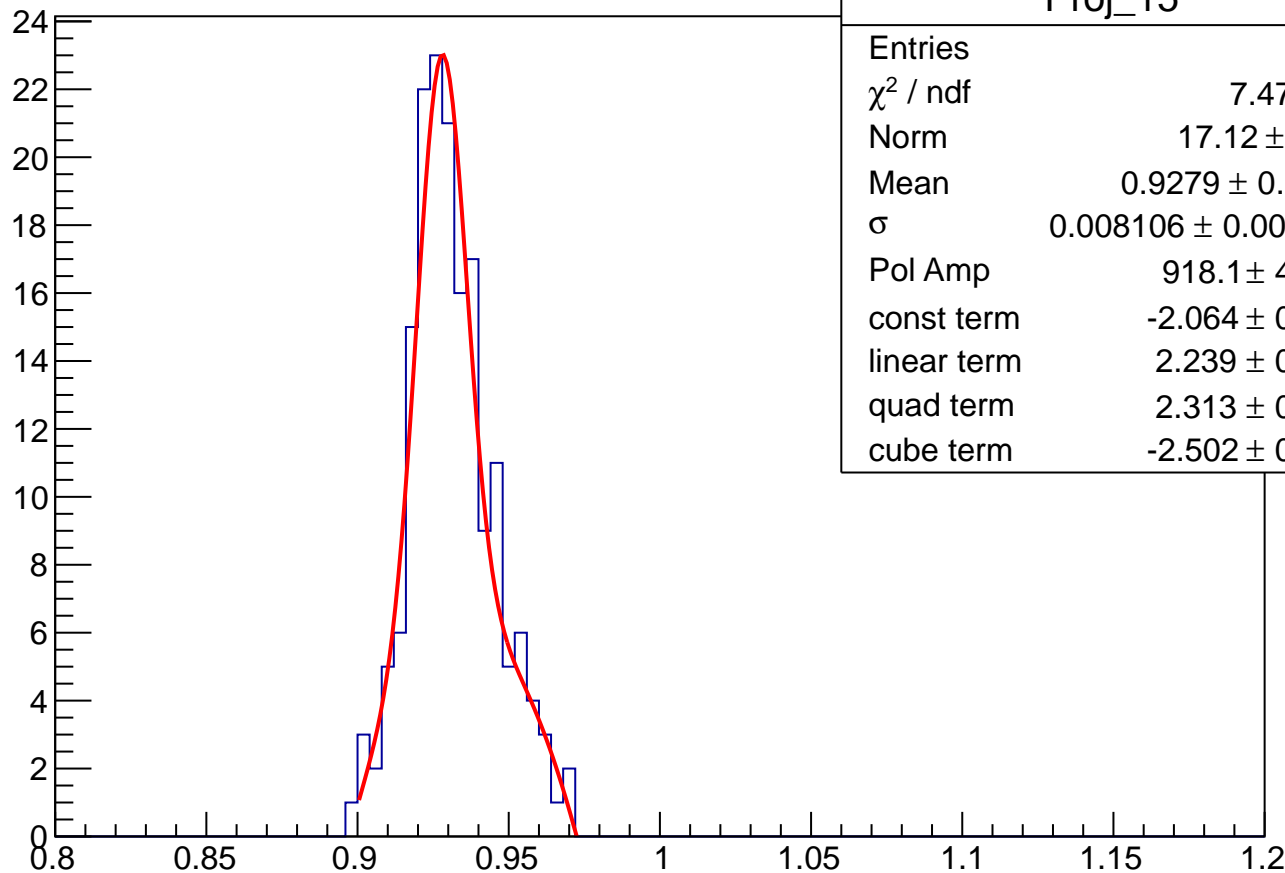
# PhiThetaMassPip



# PhiThetaMassPip



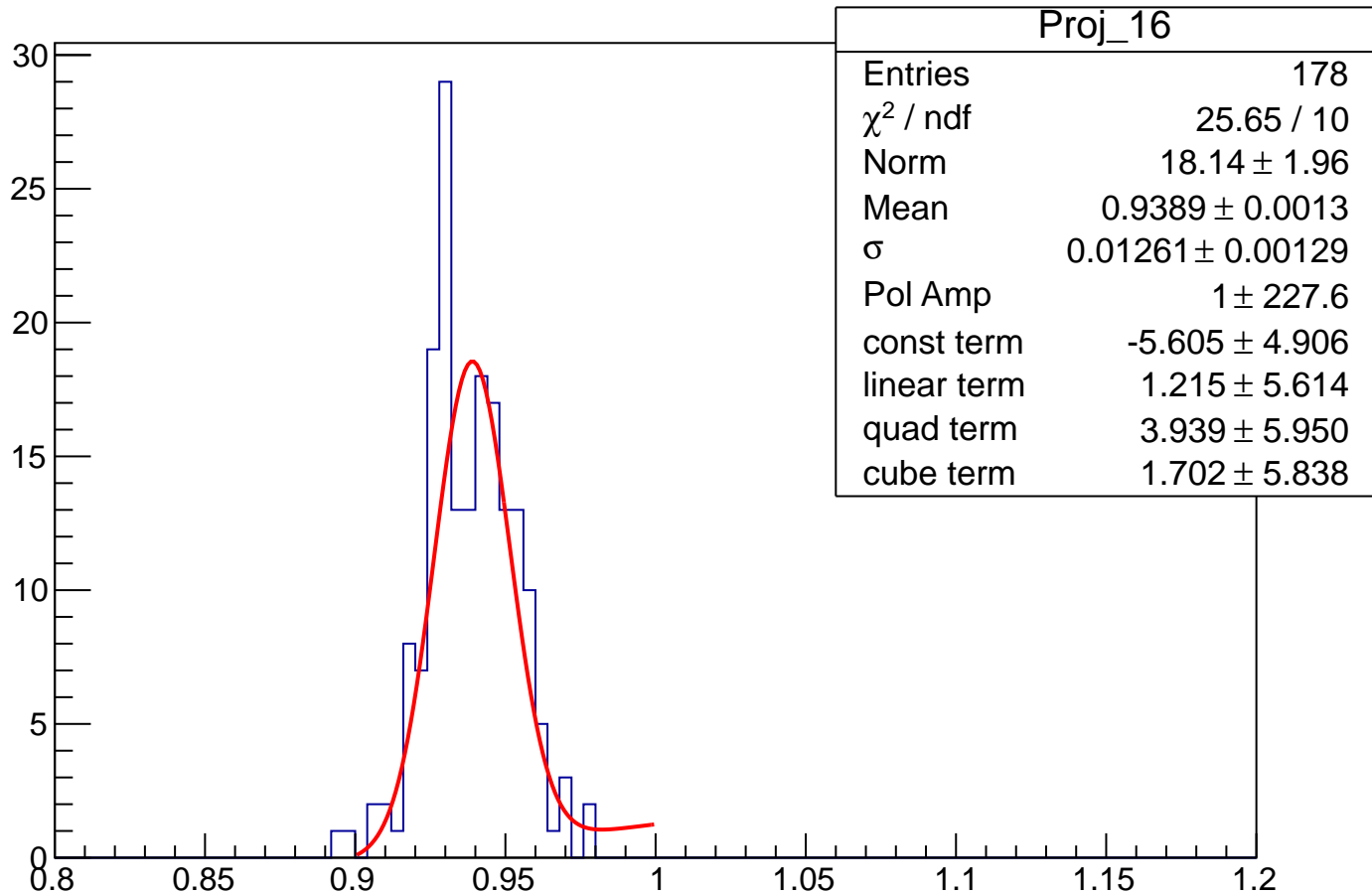
# PhiThetaMassPip



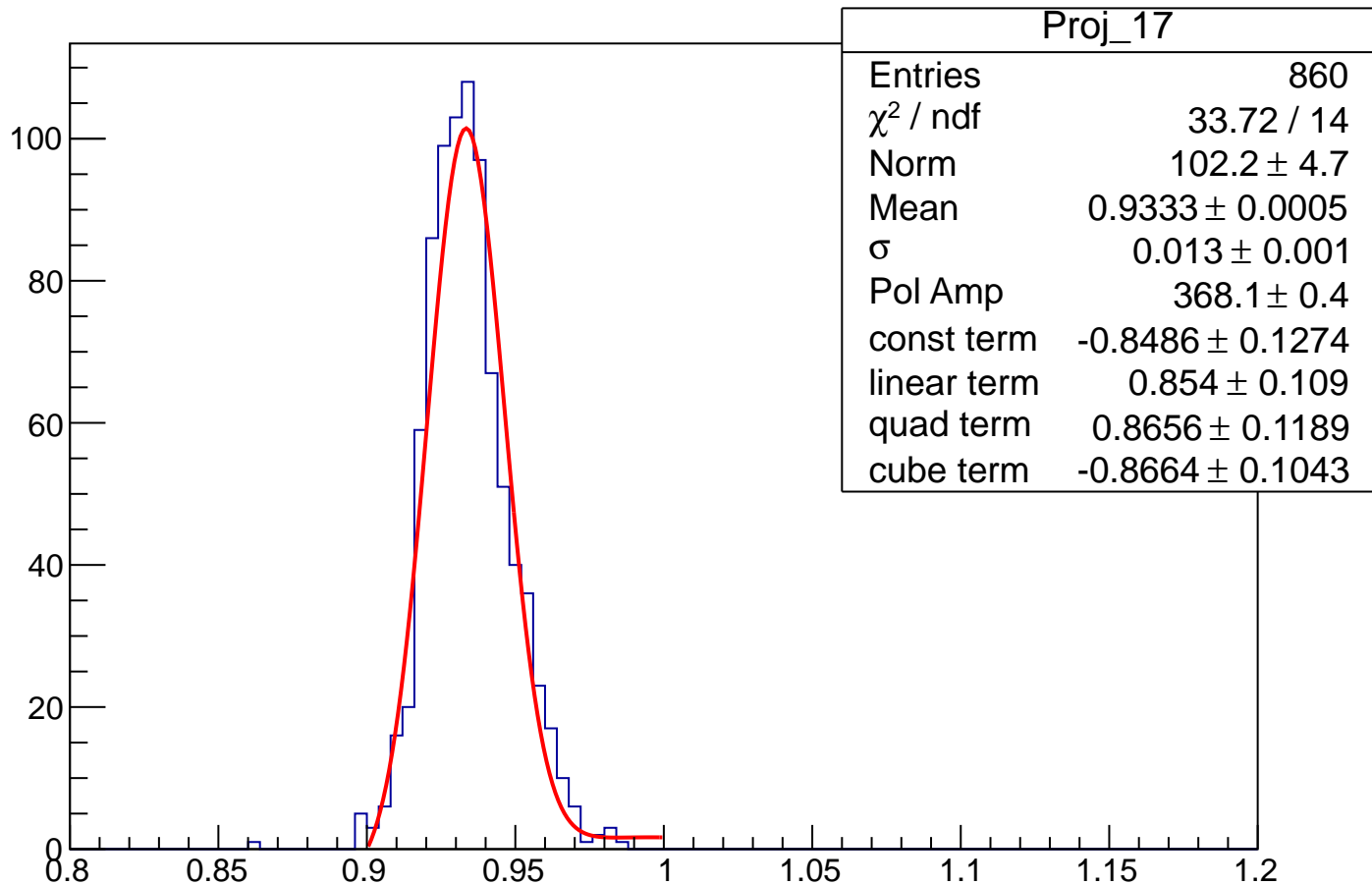
Proj\_15

Entries	172
$\chi^2 / \text{ndf}$	7.47 / 10
Norm	$17.12 \pm 3.14$
Mean	$0.9279 \pm 0.0016$
$\sigma$	$0.008106 \pm 0.001762$
Pol Amp	$918.1 \pm 476.7$
const term	$-2.064 \pm 0.006$
linear term	$2.239 \pm 0.007$
quad term	$2.313 \pm 0.007$
cube term	$-2.502 \pm 0.007$

# PhiThetaMassPip

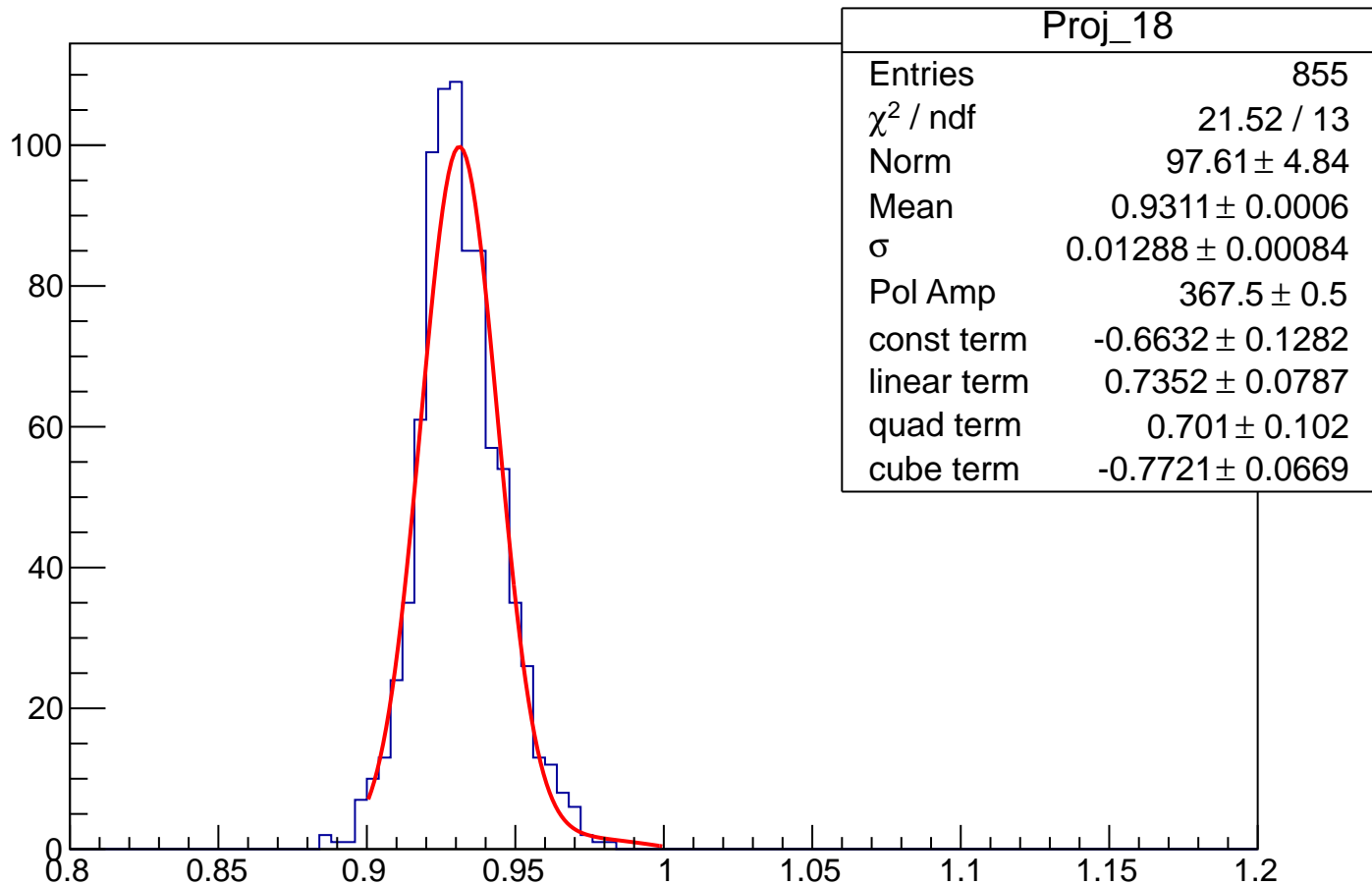


# PhiThetaMassPip

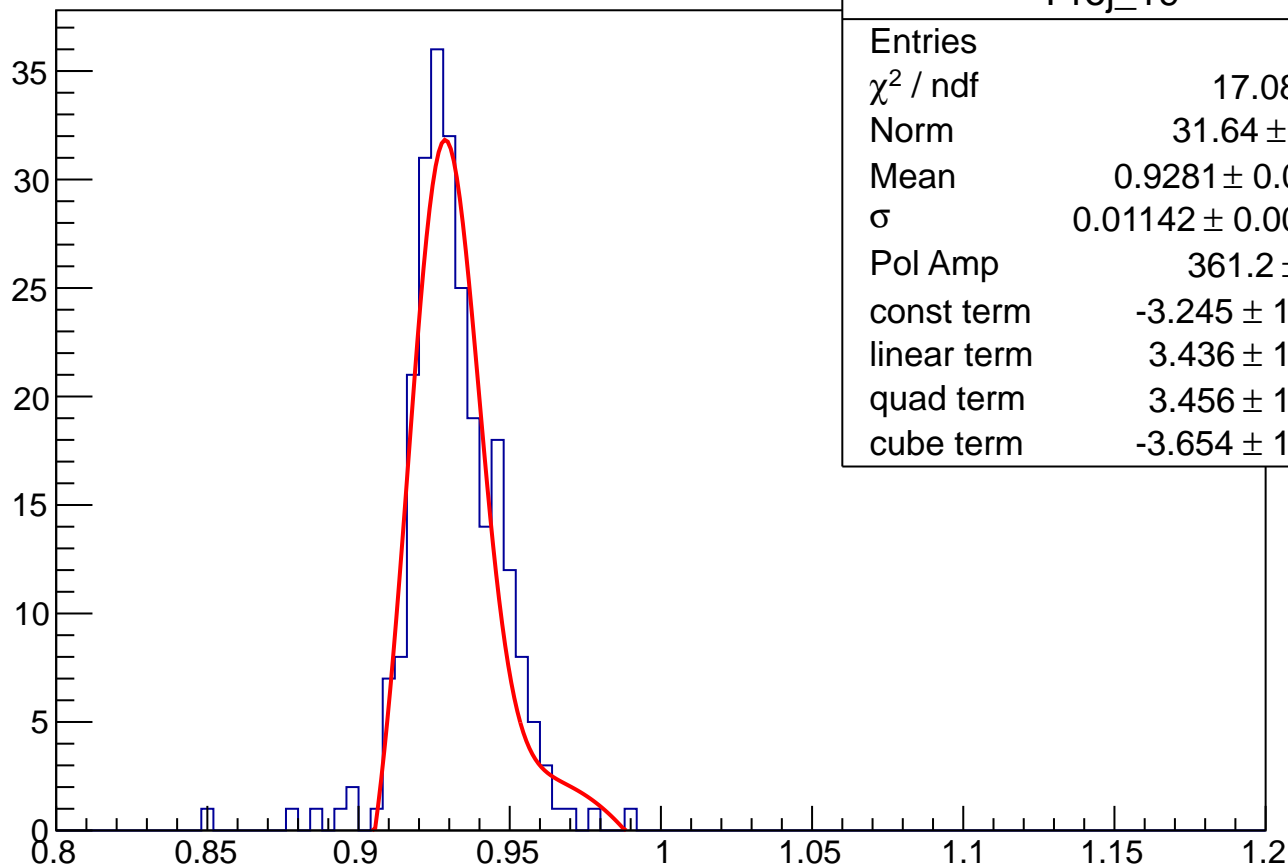




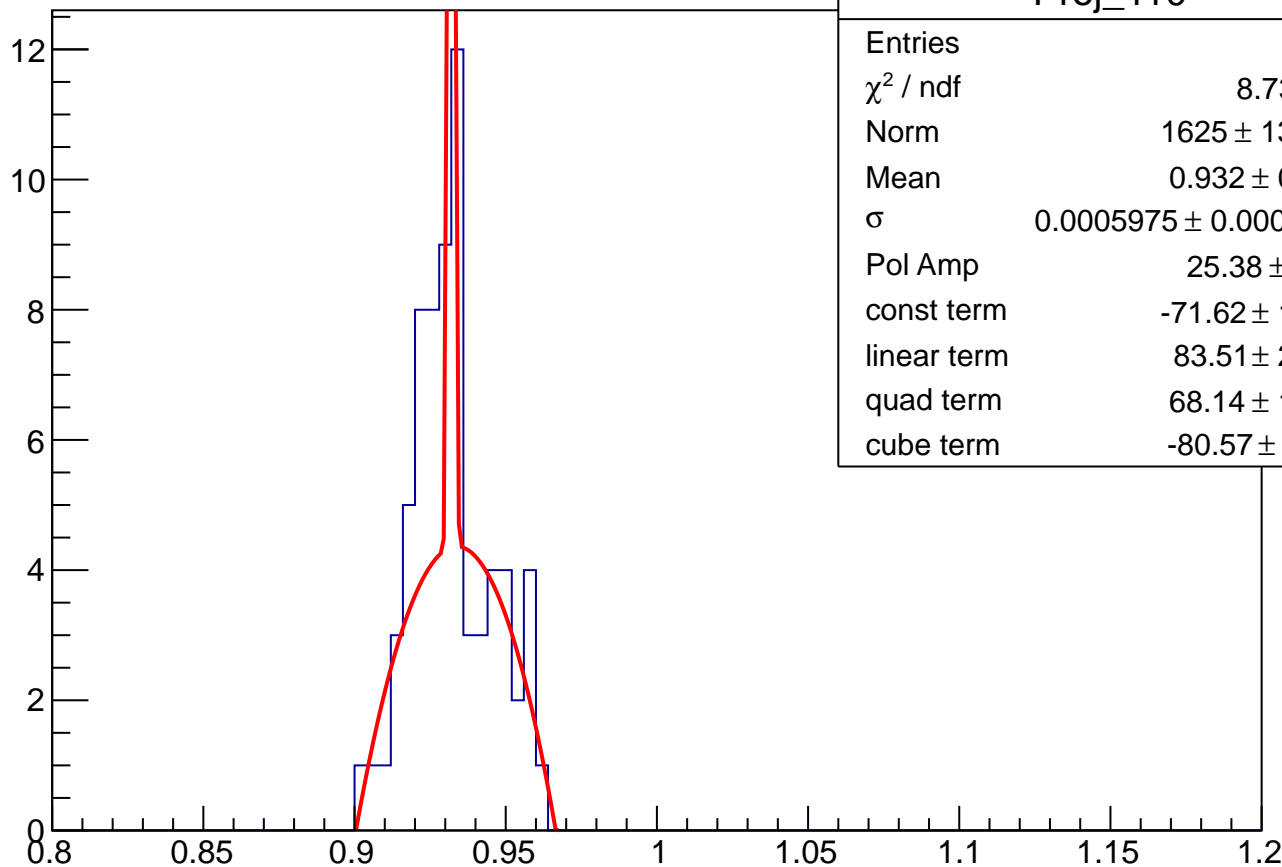
# PhiThetaMassPip



# PhiThetaMassPip



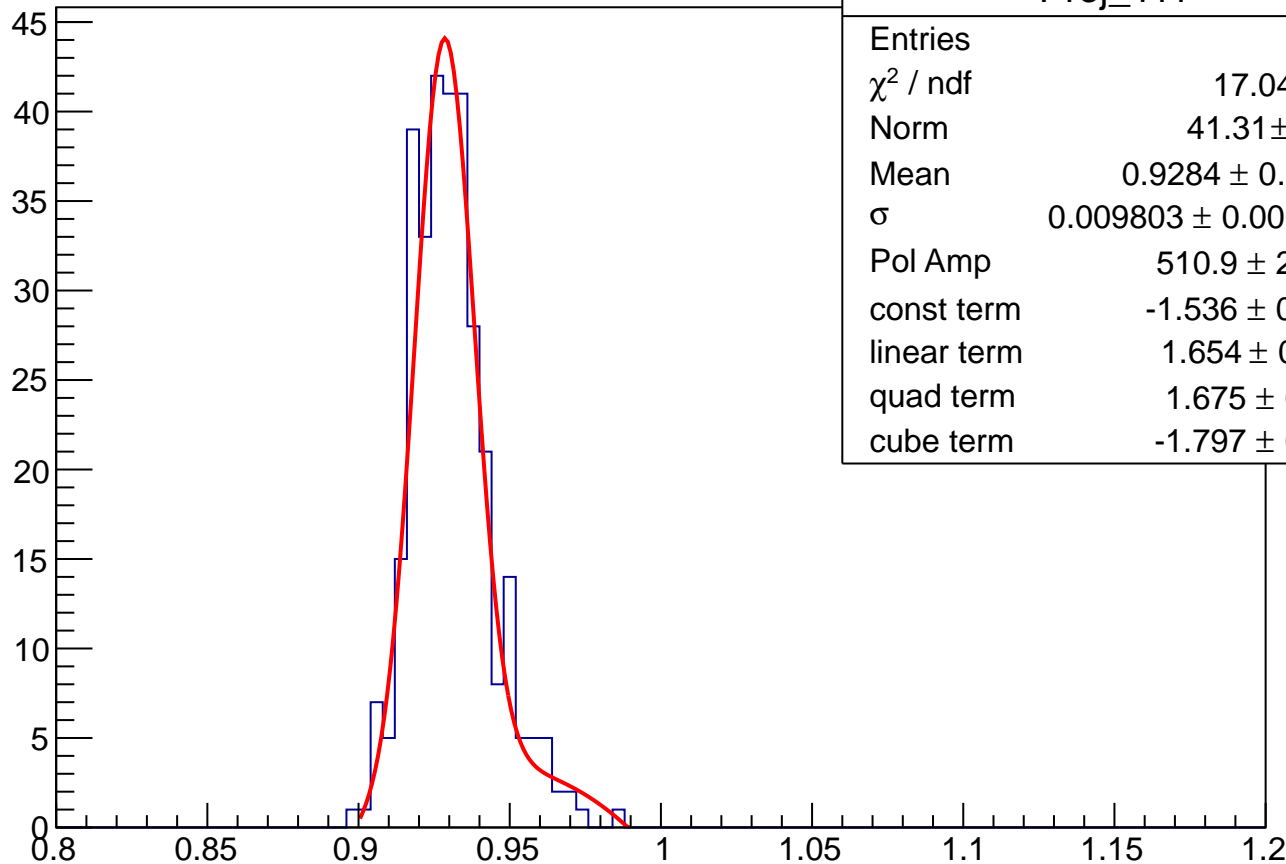
# PhiThetaMassPip



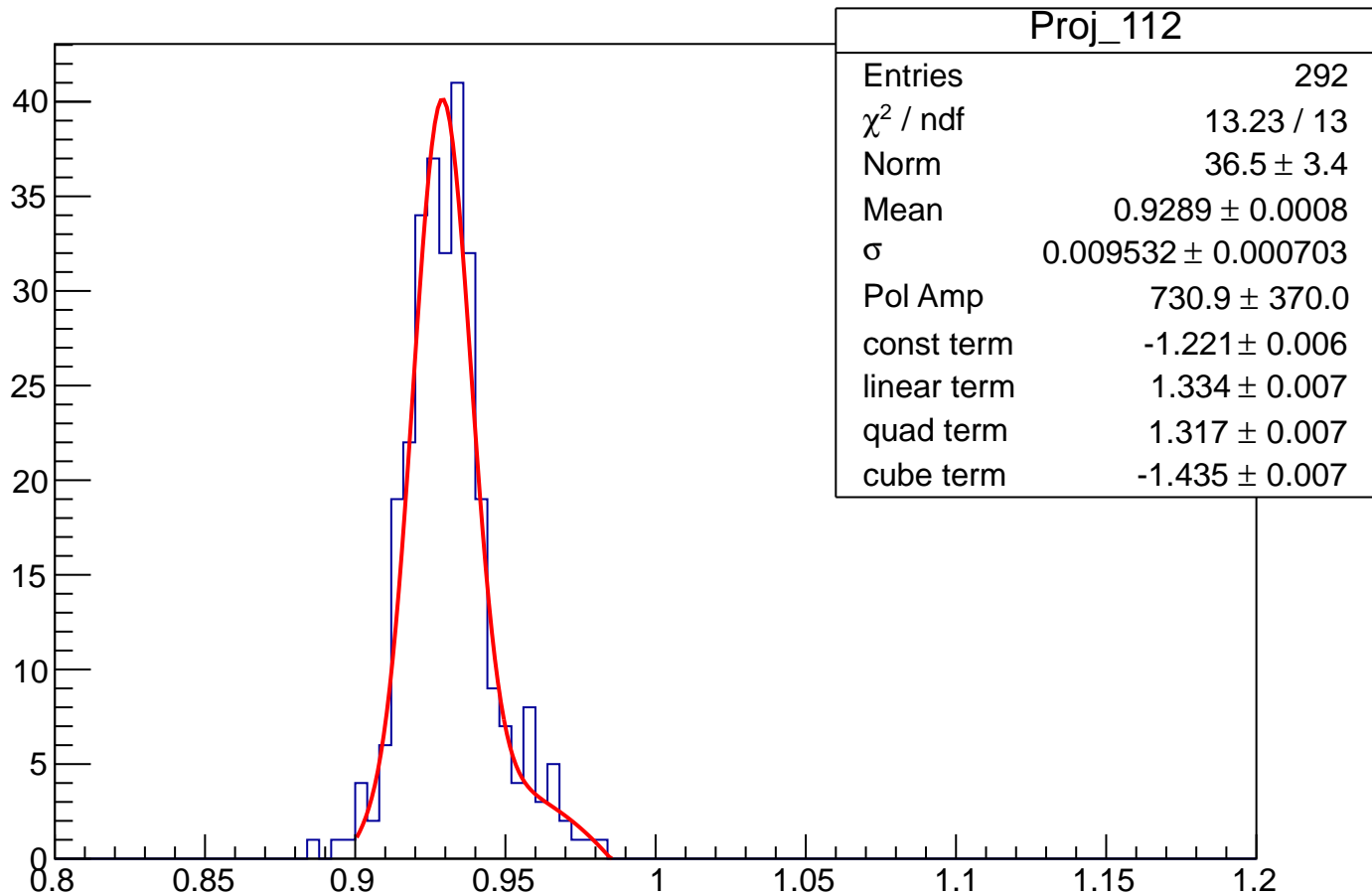
Proj\_110

Entries	69
$\chi^2 / \text{ndf}$	8.734 / 8
Norm	$1625 \pm 1331.7$
Mean	$0.932 \pm 0.000$
$\sigma$	$0.0005975 \pm 0.0000303$
Pol Amp	$25.38 \pm 4.70$
const term	$-71.62 \pm 17.77$
linear term	$83.51 \pm 20.87$
quad term	$68.14 \pm 17.04$
cube term	$-80.57 \pm 20.11$

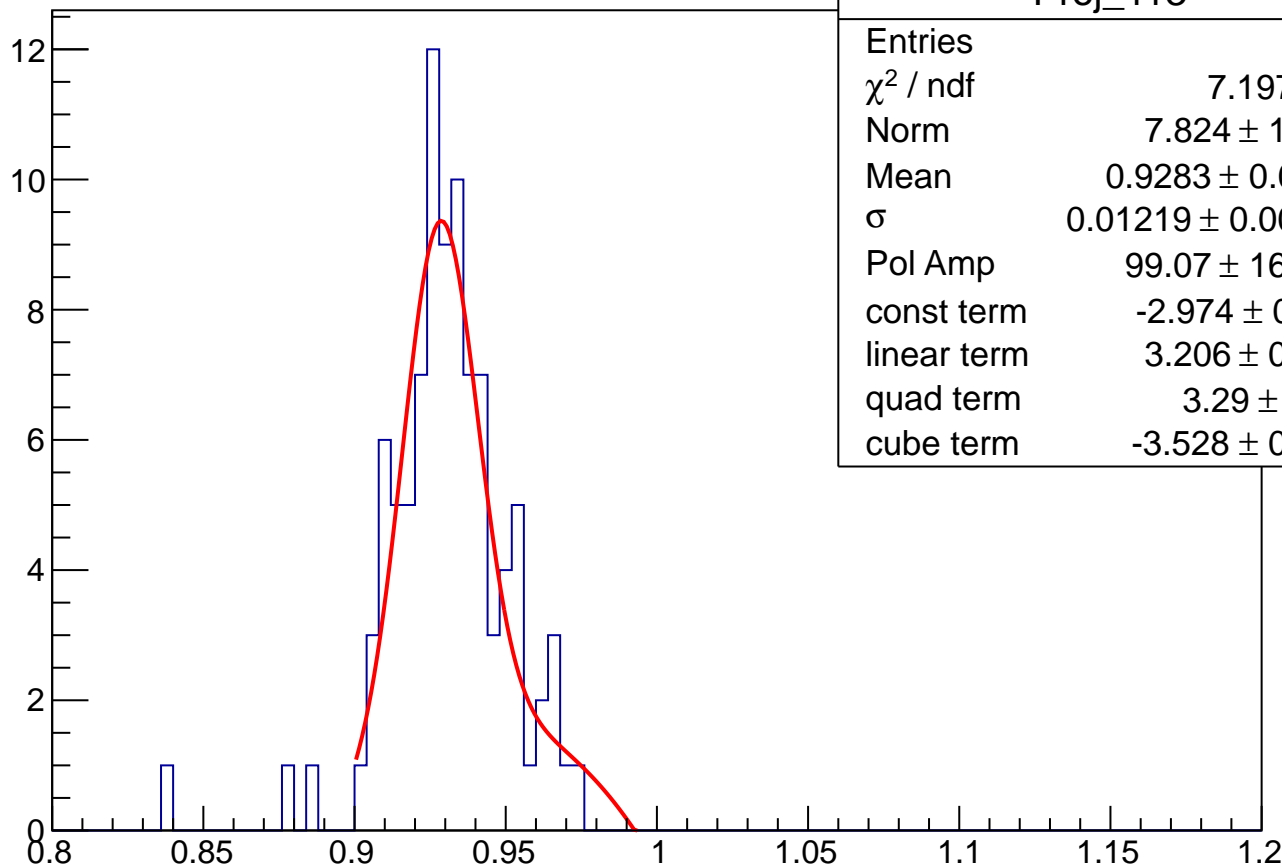
# PhiThetaMassPip



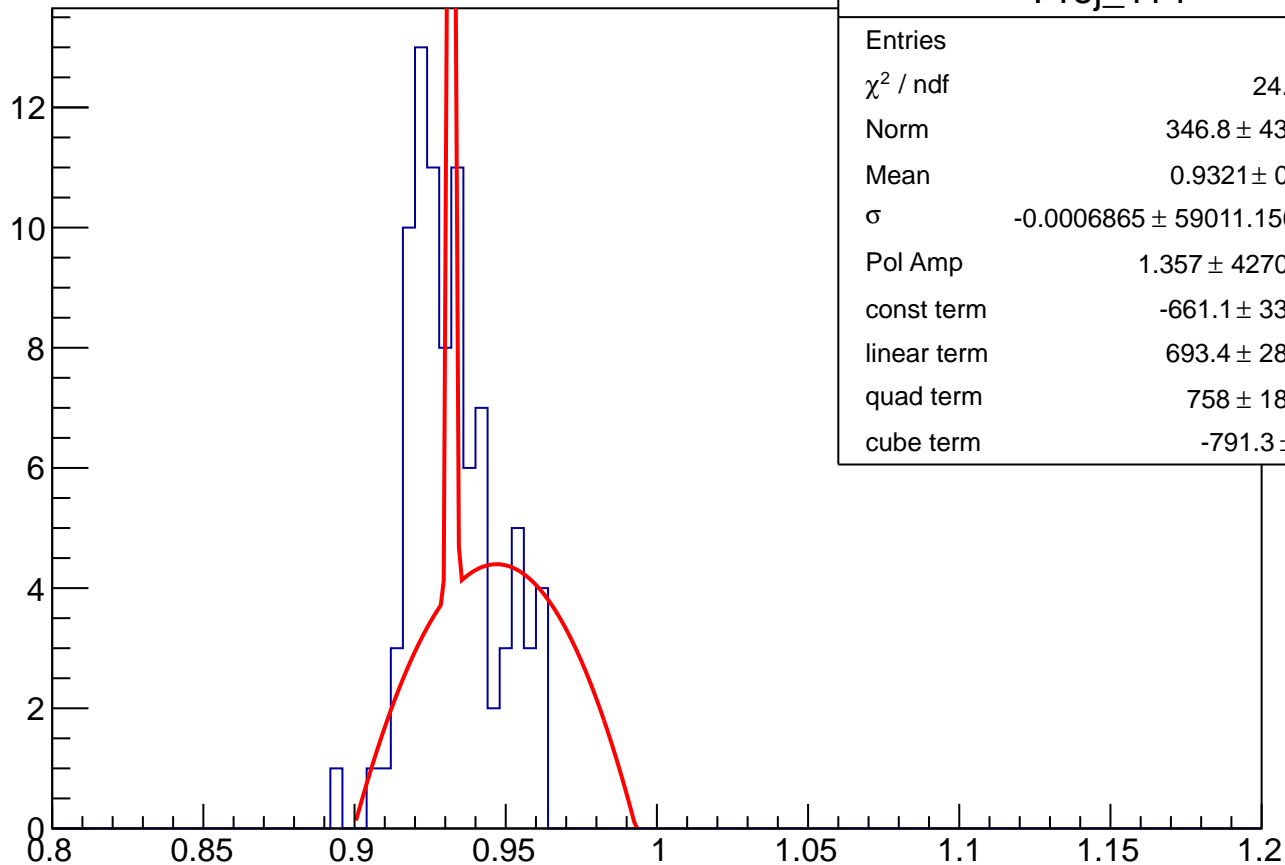
# PhiThetaMassPip



# PhiThetaMassPip



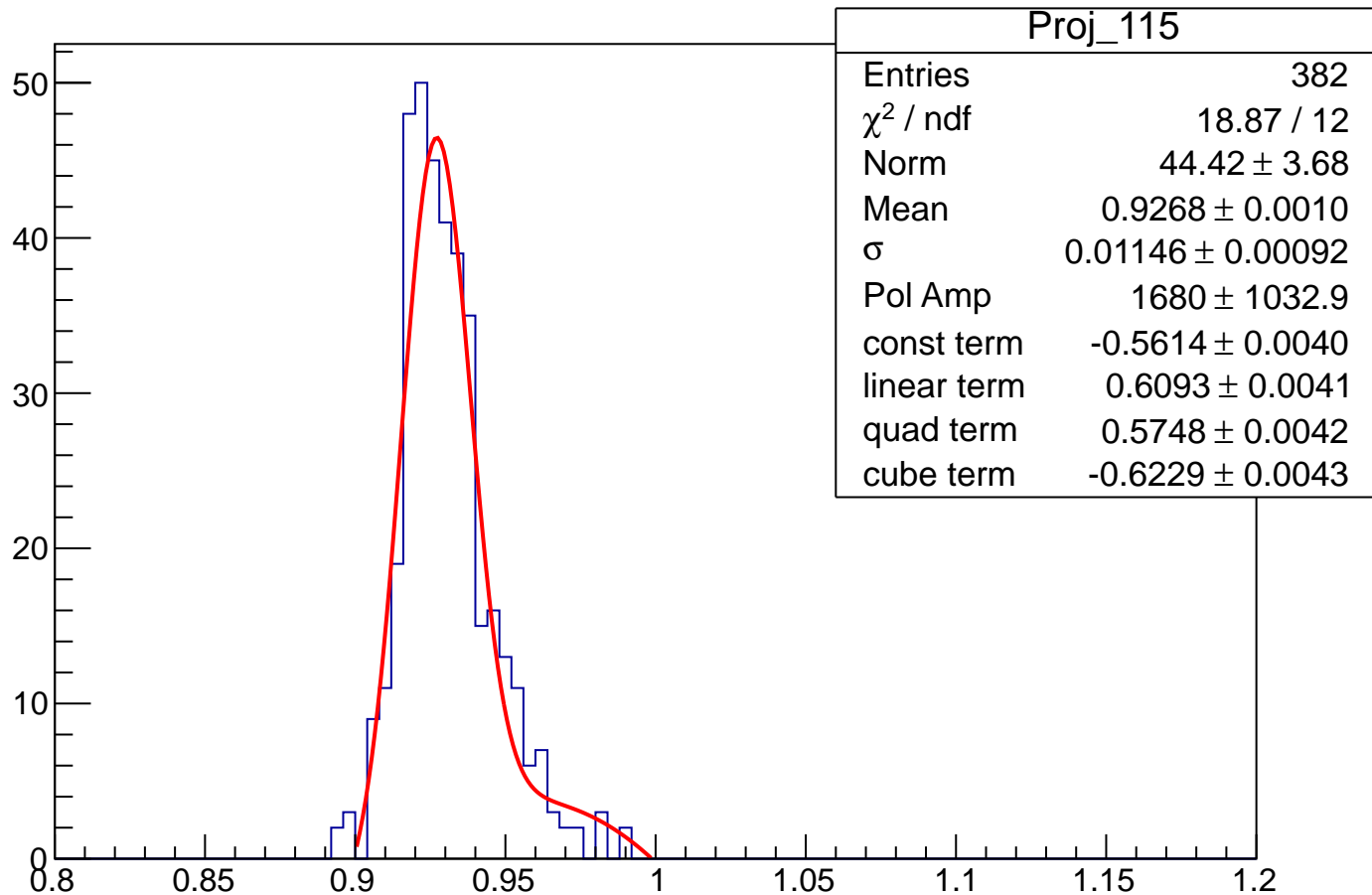
# PhiThetaMassPip



Proj\_114

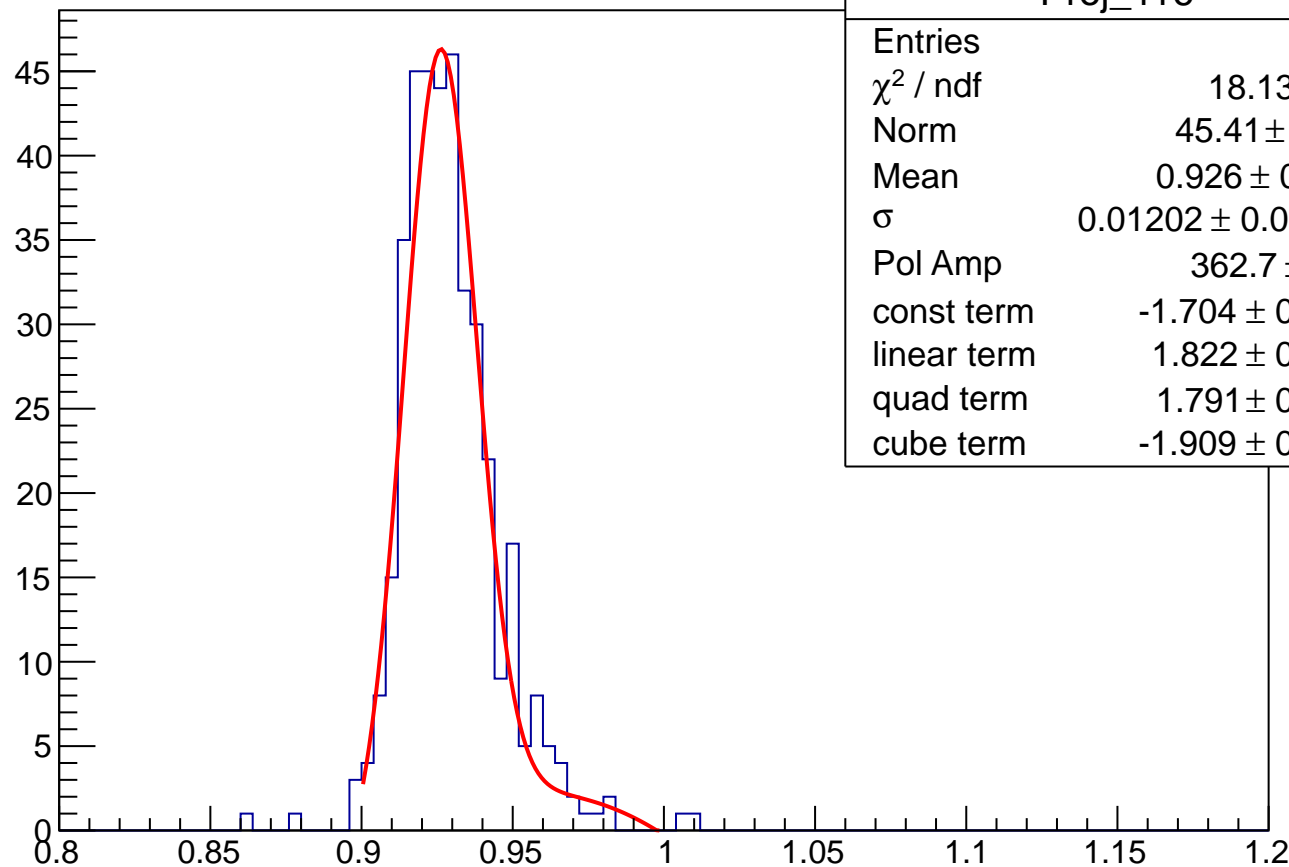
Entries	89
$\chi^2 / \text{ndf}$	24.14 / 7
Norm	$346.8 \pm 43945.4$
Mean	$0.9321 \pm 0.0625$
$\sigma$	$-0.0006865 \pm 59011.1562500$
Pol Amp	$1.357 \pm 42703.176$
const term	$-661.1 \pm 33060.4$
linear term	$693.4 \pm 28764.8$
quad term	$758 \pm 18100.9$
cube term	$-791.3 \pm 61.2$

# PhiThetaMassPip





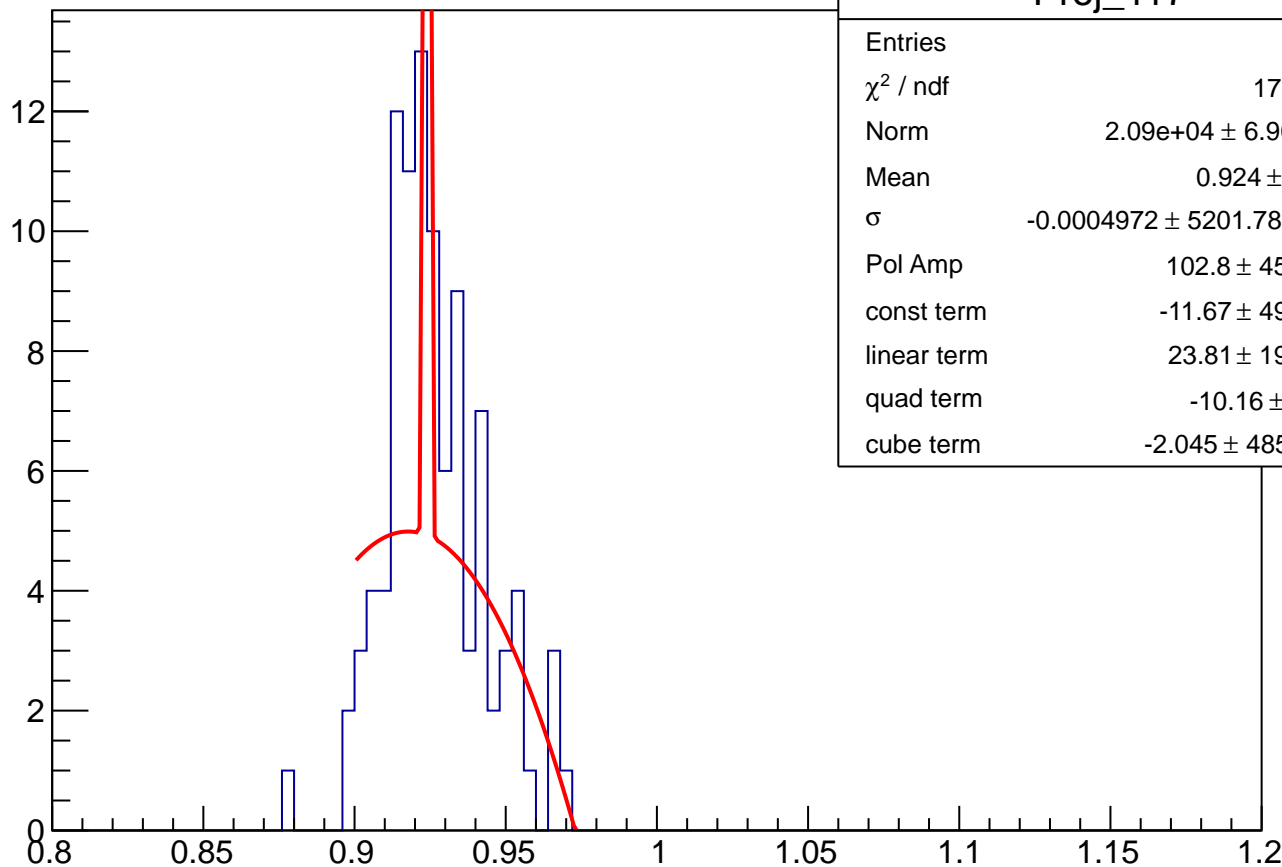
# PhiThetaMassPip



Proj\_116

Entries	387
$\chi^2 / \text{ndf}$	18.13 / 13
Norm	$45.41 \pm 3.60$
Mean	$0.926 \pm 0.001$
$\sigma$	$0.01202 \pm 0.00131$
Pol Amp	$362.7 \pm 1.3$
const term	$-1.704 \pm 0.433$
linear term	$1.822 \pm 0.423$
quad term	$1.791 \pm 0.434$
cube term	$-1.909 \pm 0.428$

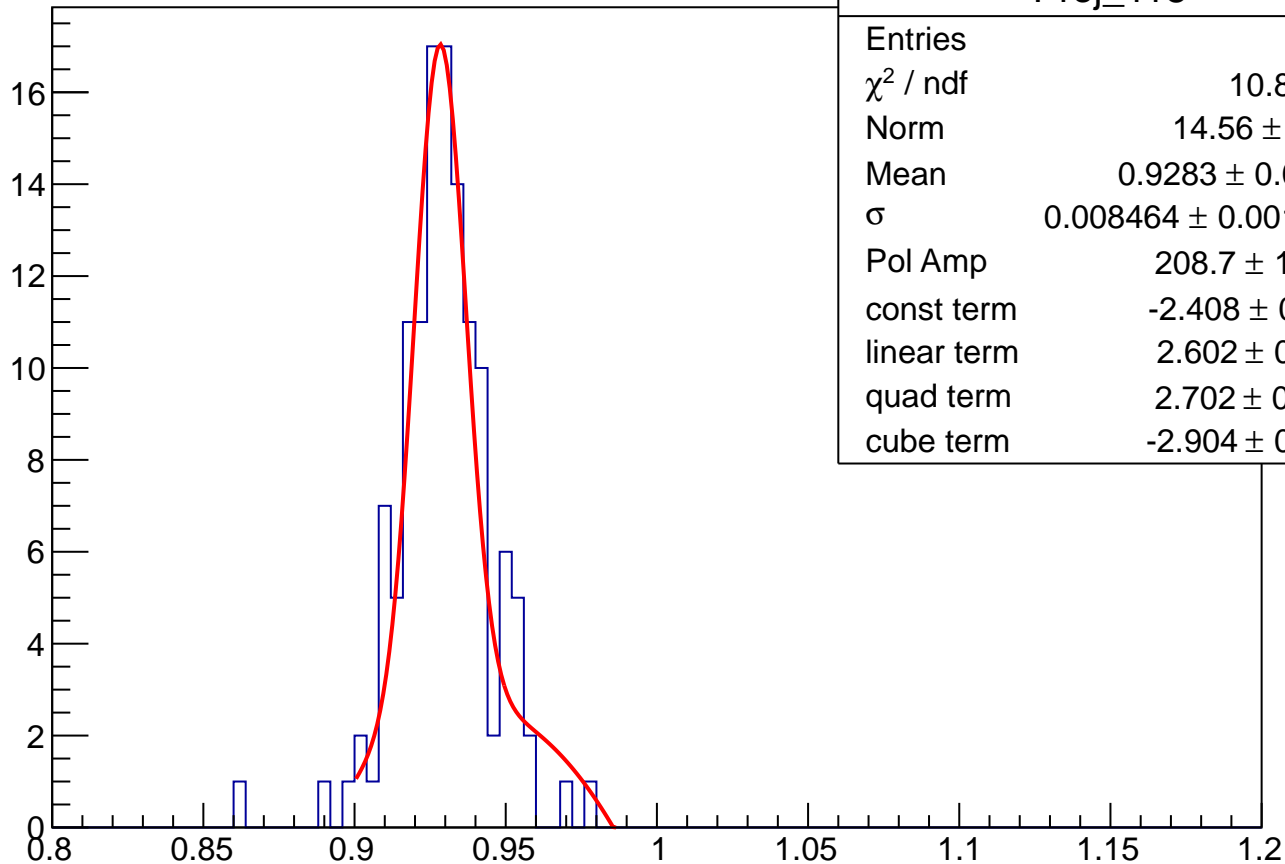
# PhiThetaMassPip



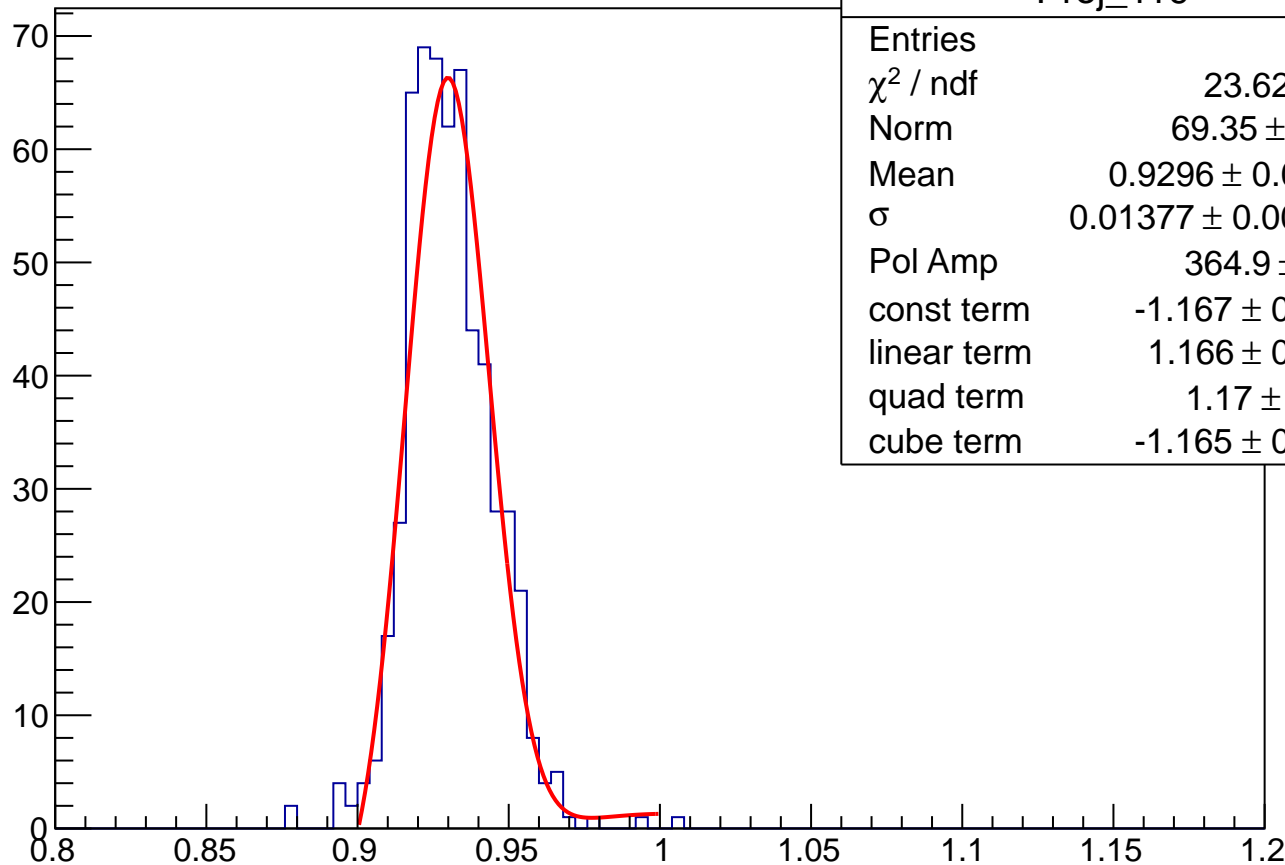
Proj\_117

Entries	99
$\chi^2 / \text{ndf}$	17.81 / 9
Norm	$2.09\text{e}+04 \pm 6.90\text{e}+04$
Mean	$0.924 \pm 0.066$
$\sigma$	$-0.0004972 \pm 5201.7851562$
Pol Amp	$102.8 \pm 45501.4$
const term	$-11.67 \pm 4981.59$
linear term	$23.81 \pm 1902.93$
quad term	$-10.16 \pm 23.81$
cube term	$-2.045 \pm 4858.798$

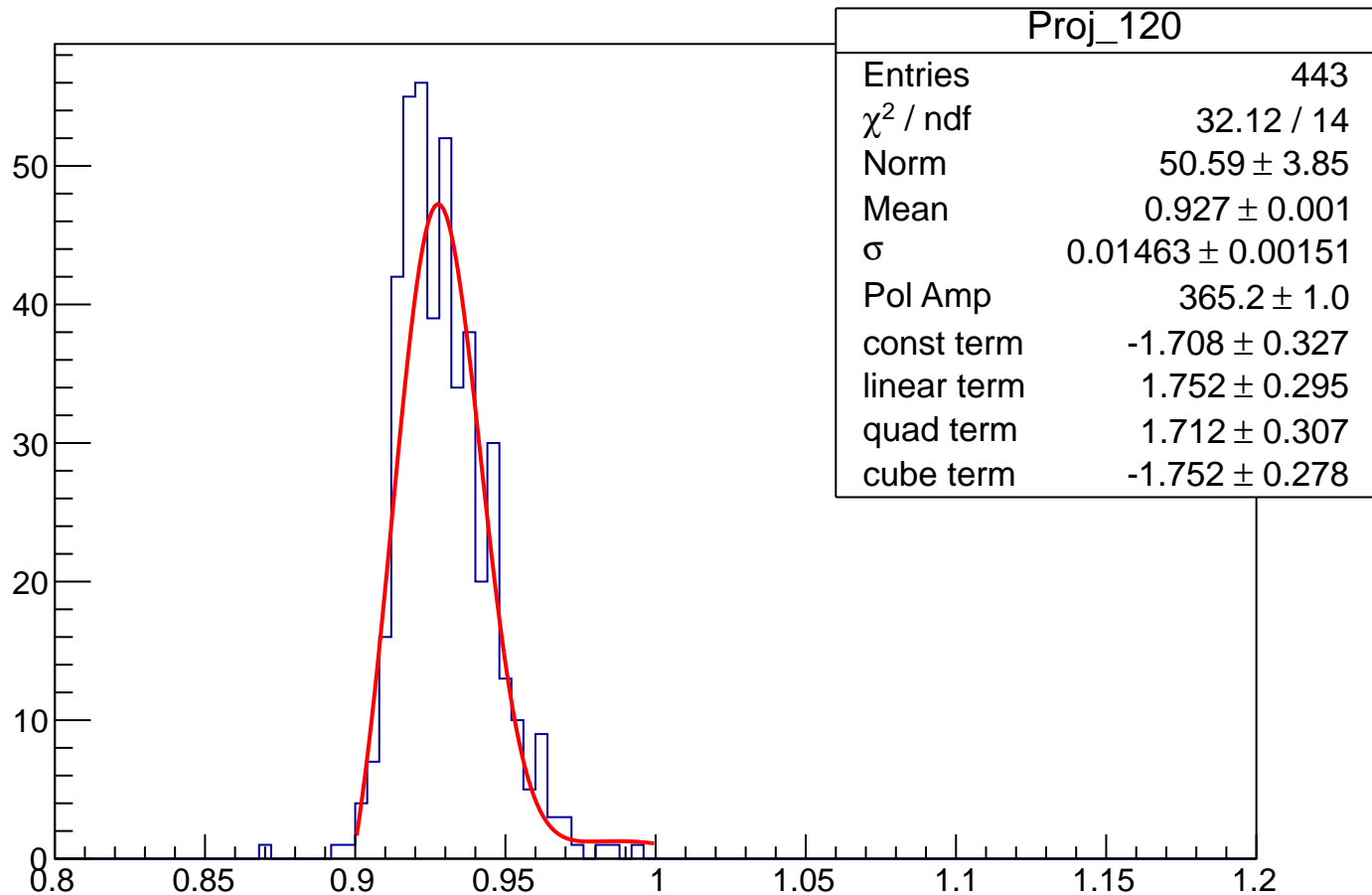
# PhiThetaMassPip



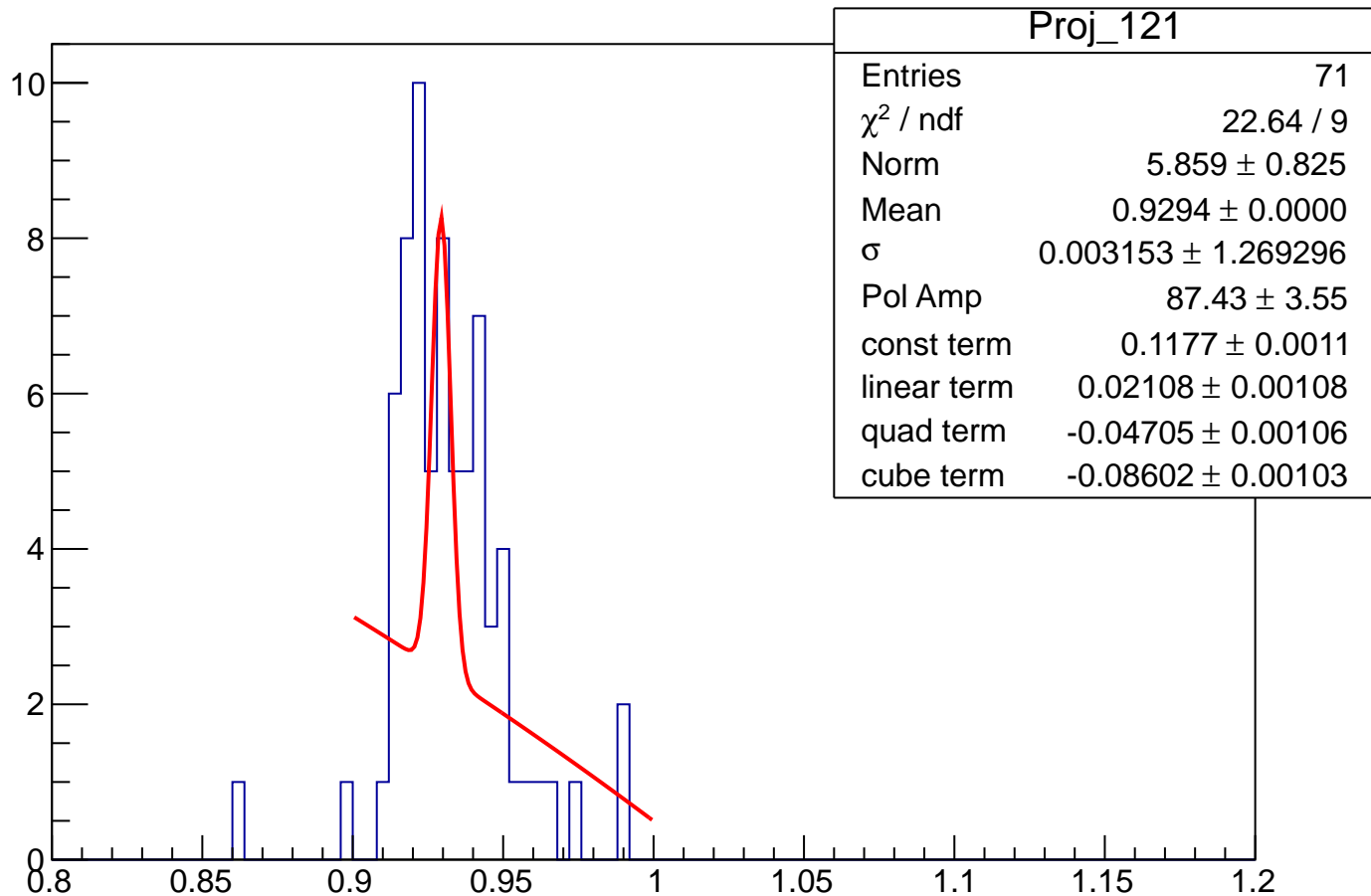
# PhiThetaMassPip



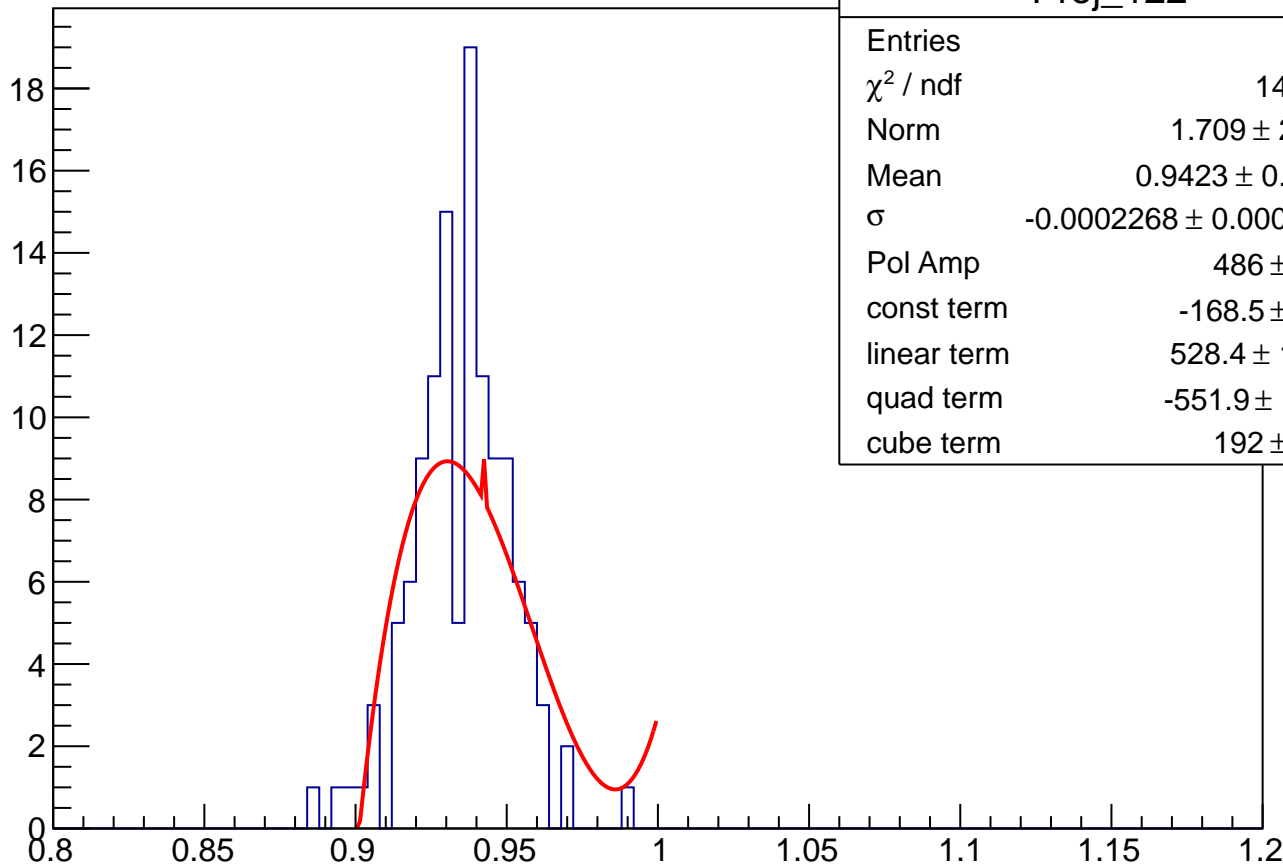
# PhiThetaMassPip



# PhiThetaMassPip



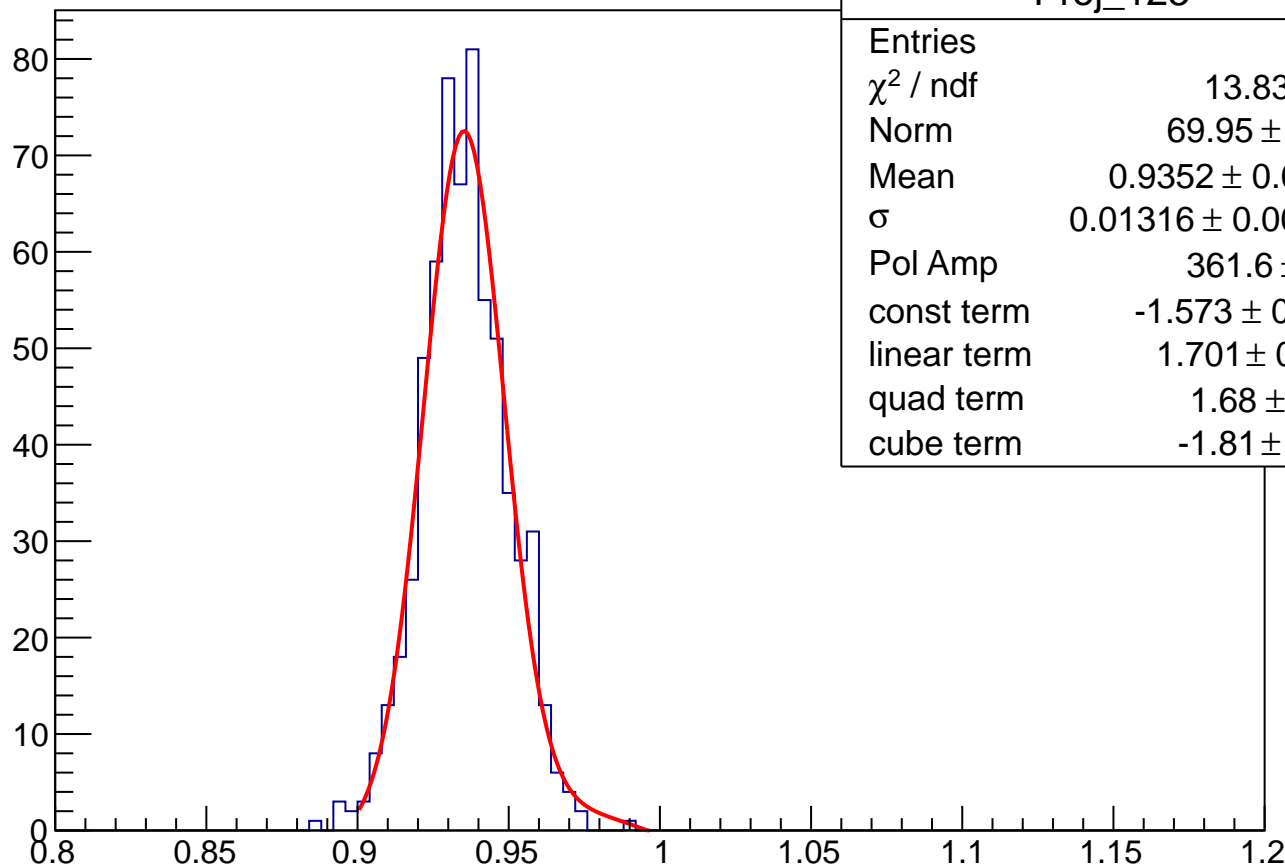
# PhiThetaMassPip



Proj\_122

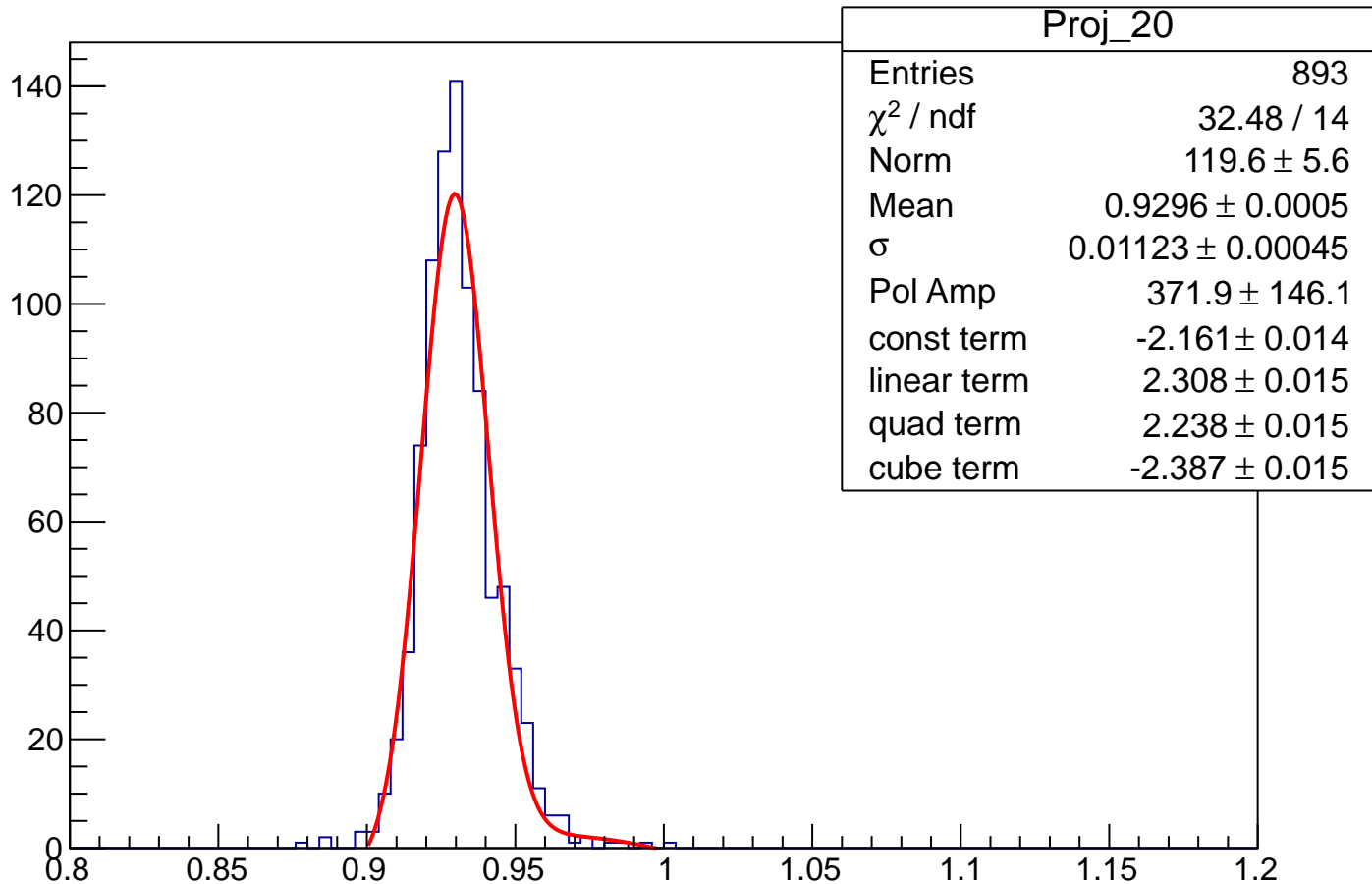
Entries	123
$\chi^2 / \text{ndf}$	14.6 / 9
Norm	$1.709 \pm 2.244$
Mean	$0.9423 \pm 0.0000$
$\sigma$	$-0.0002268 \pm 0.0000327$
Pol Amp	$486 \pm 98.8$
const term	$-168.5 \pm 33.3$
linear term	$528.4 \pm 107.0$
quad term	$-551.9 \pm 114.7$
cube term	$192 \pm 40.9$

# PhiThetaMassPip

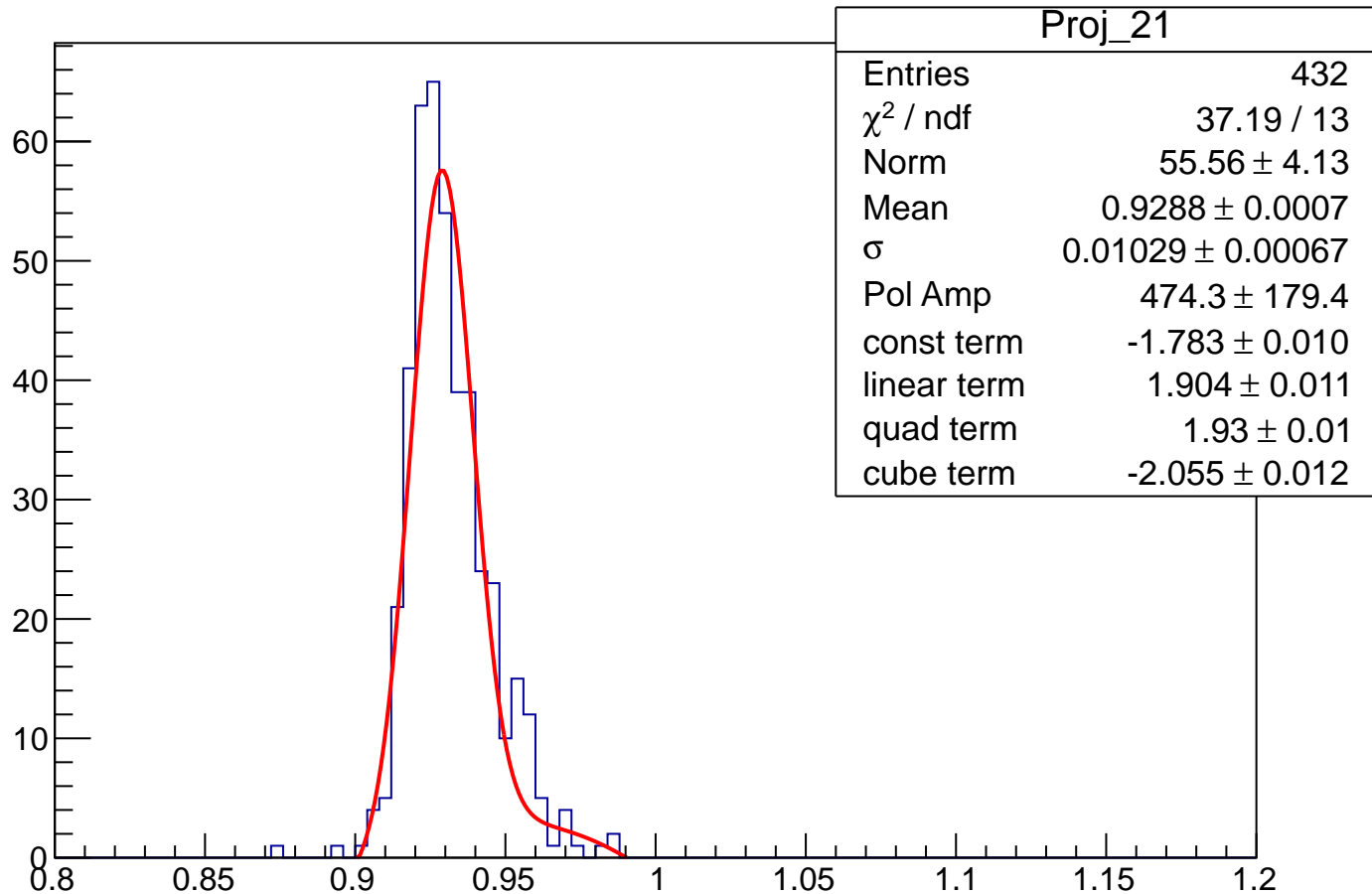




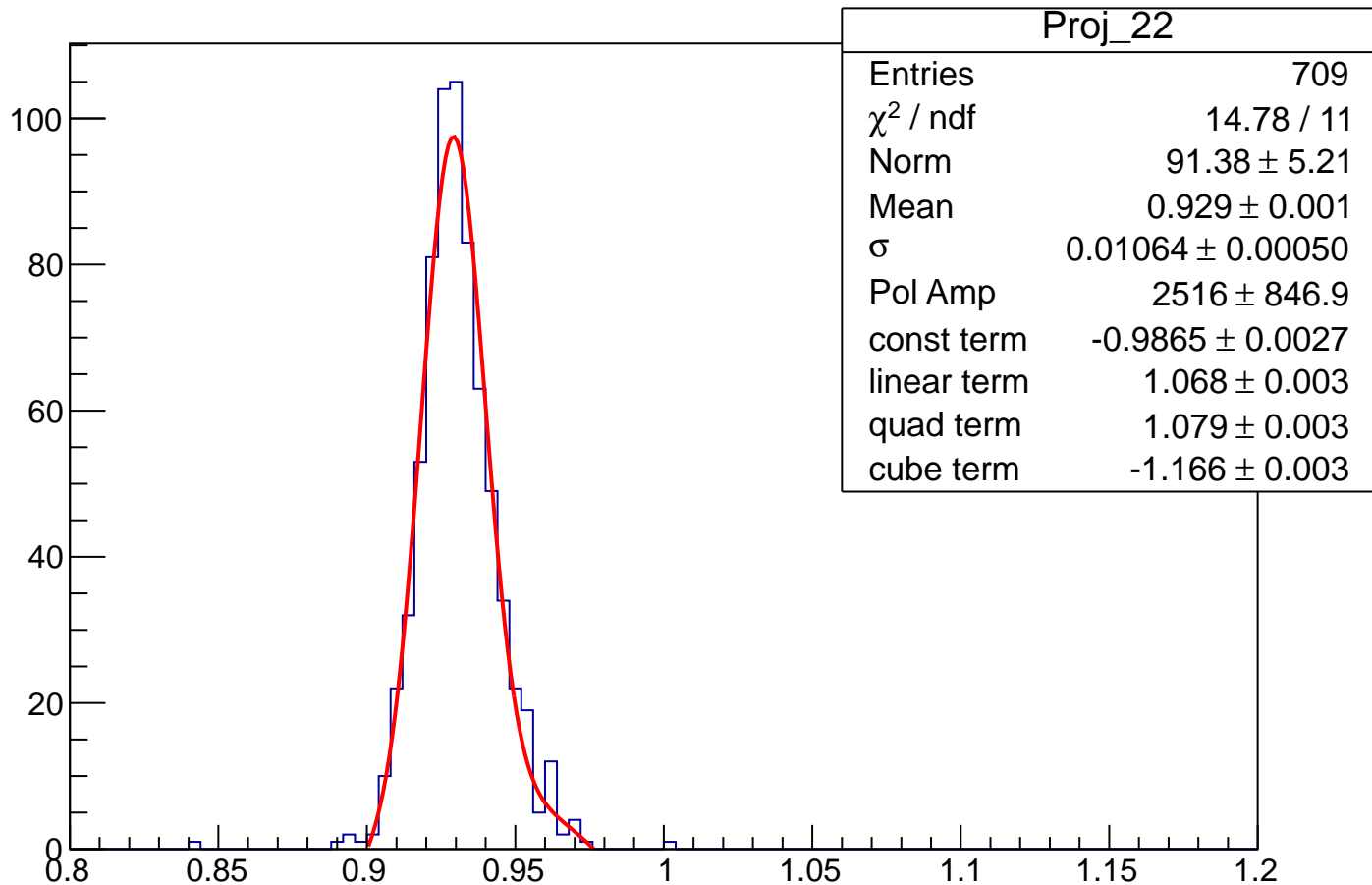
# PhiThetaMassPip



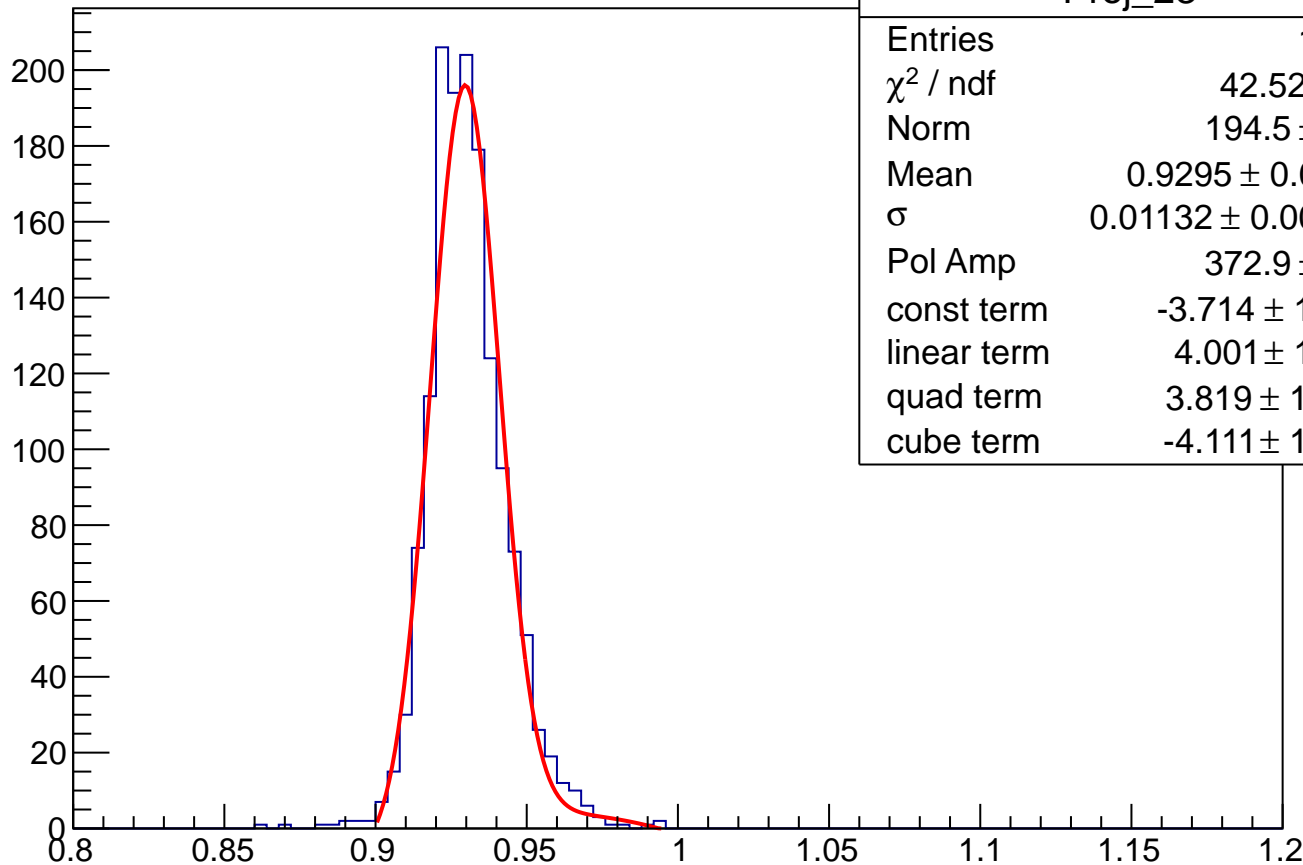
# PhiThetaMassPip



# PhiThetaMassPip



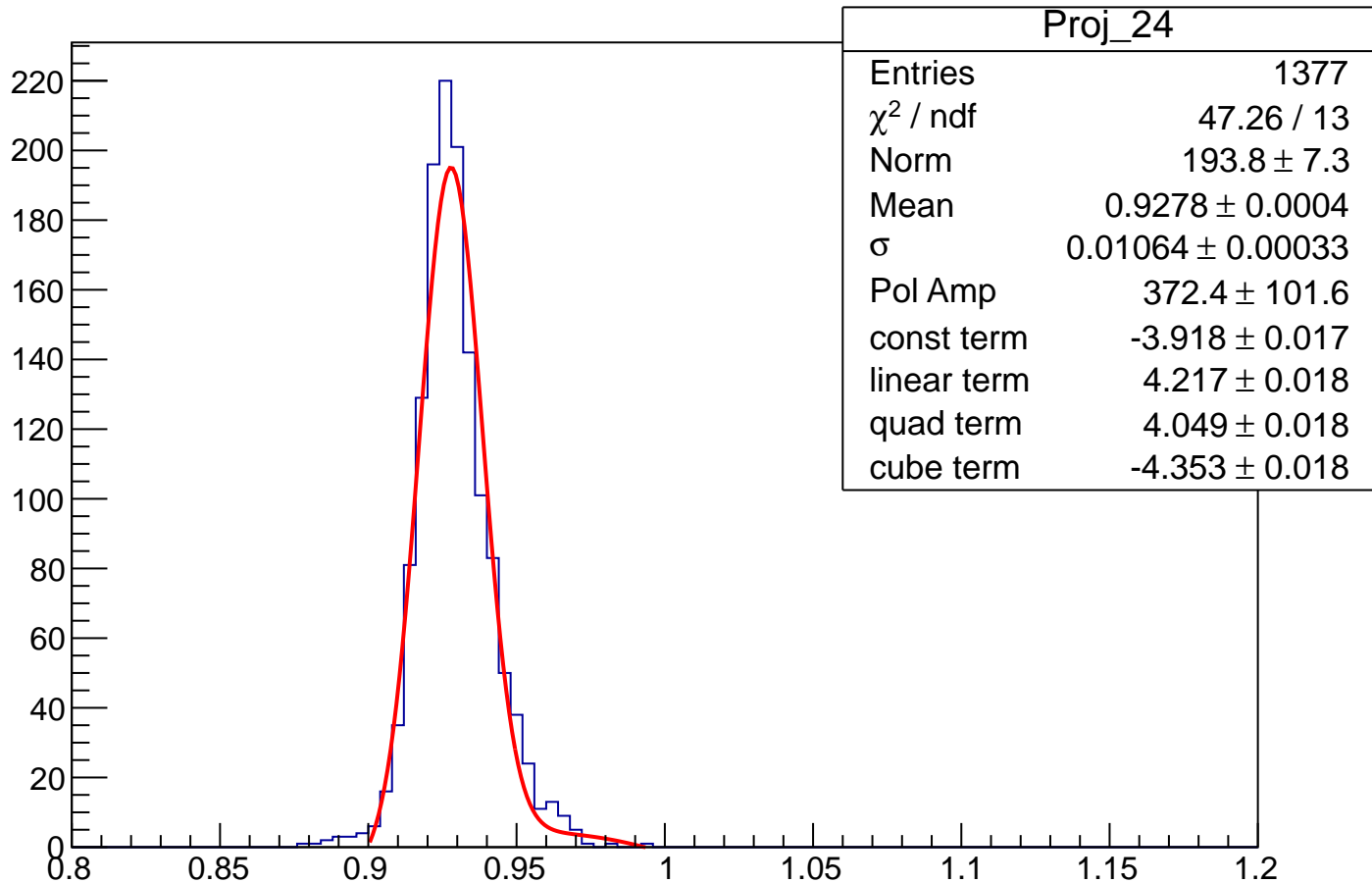
# PhiThetaMassPip



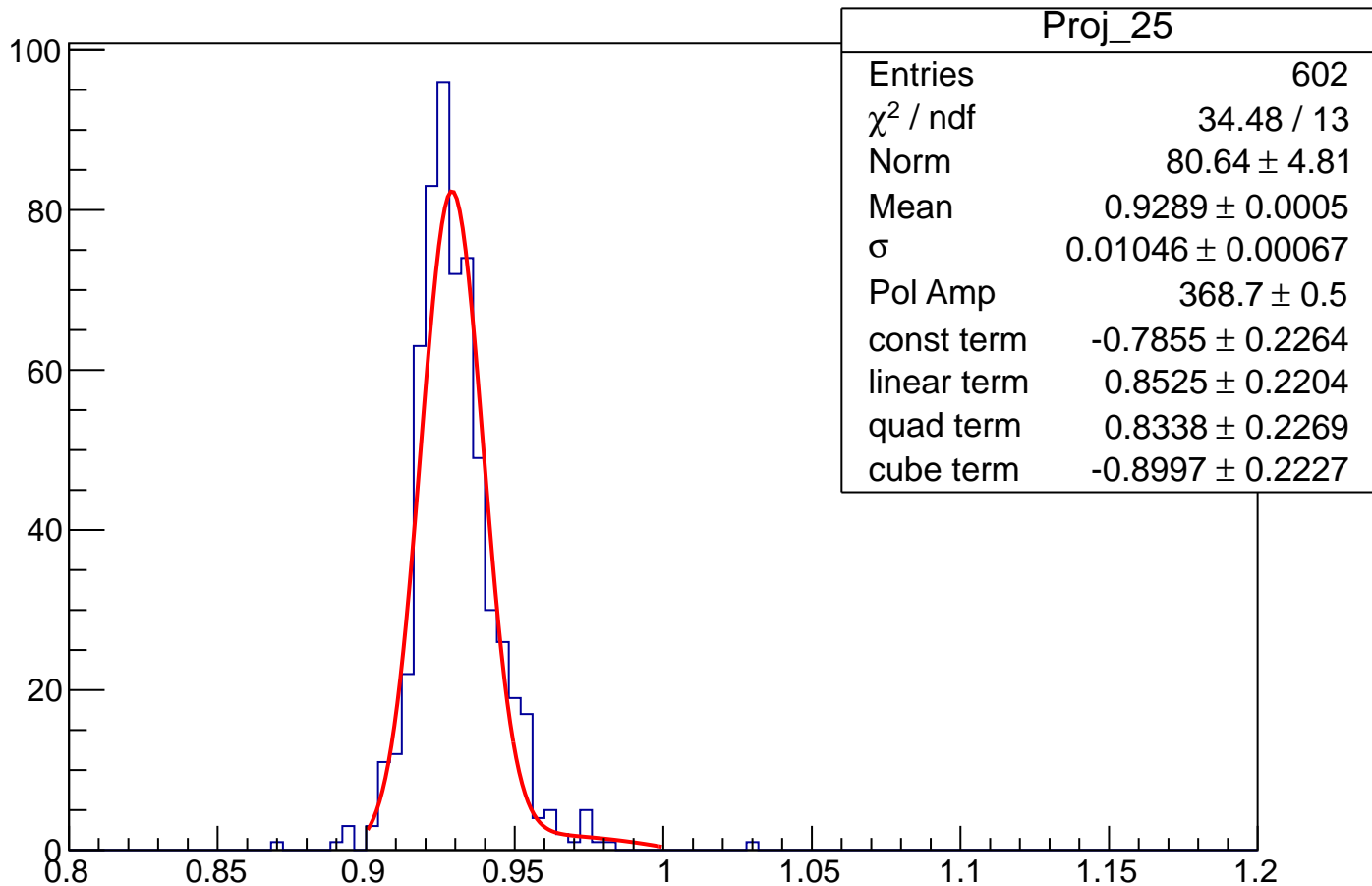
Proj\_23

Entries	1457
$\chi^2 / \text{ndf}$	42.52 / 15
Norm	$194.5 \pm 7.0$
Mean	$0.9295 \pm 0.0004$
$\sigma$	$0.01132 \pm 0.00045$
Pol Amp	$372.9 \pm 0.2$
const term	$-3.714 \pm 1.151$
linear term	$4.001 \pm 1.241$
quad term	$3.819 \pm 1.184$
cube term	$-4.111 \pm 1.278$

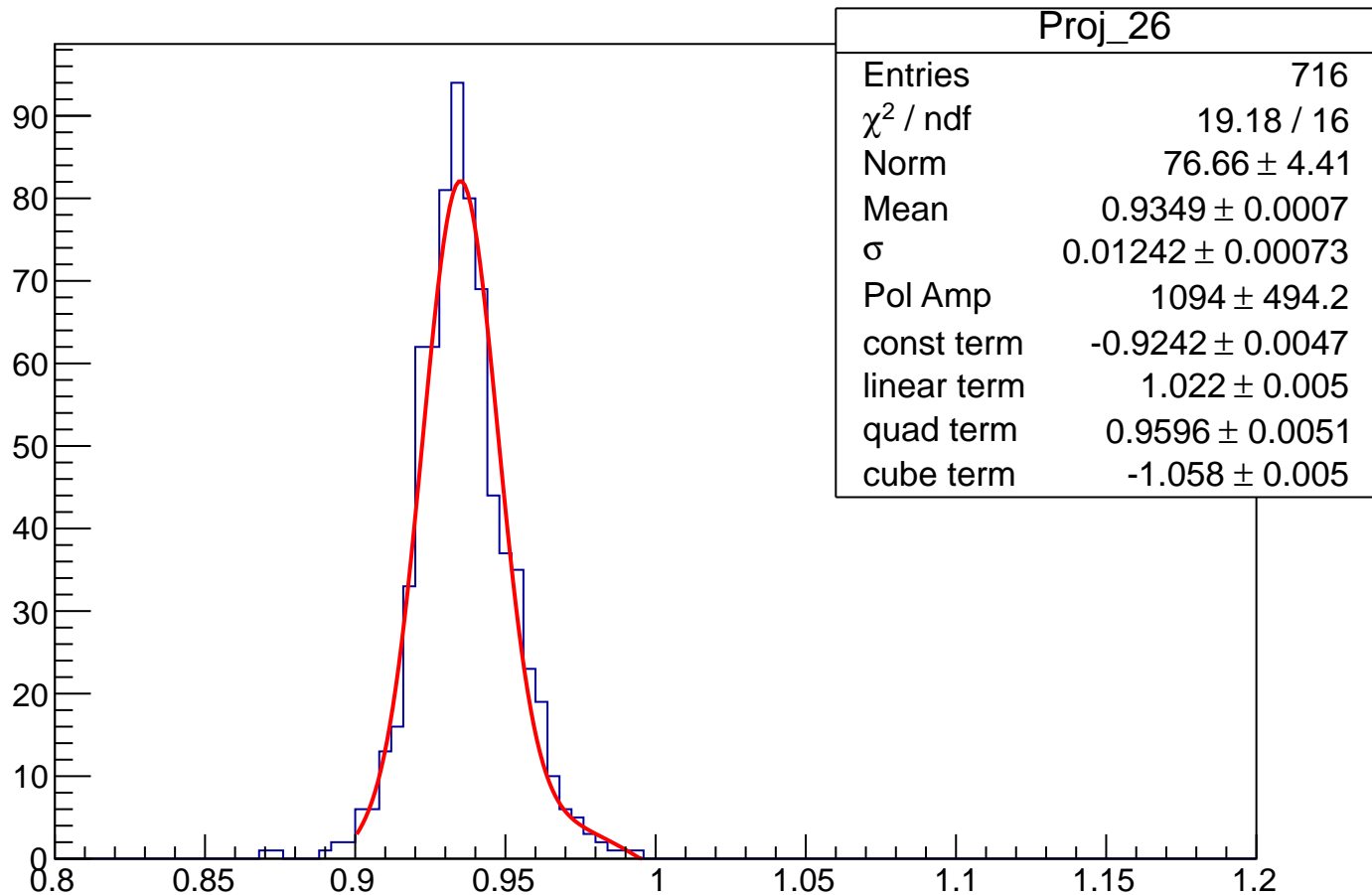
# PhiThetaMassPip



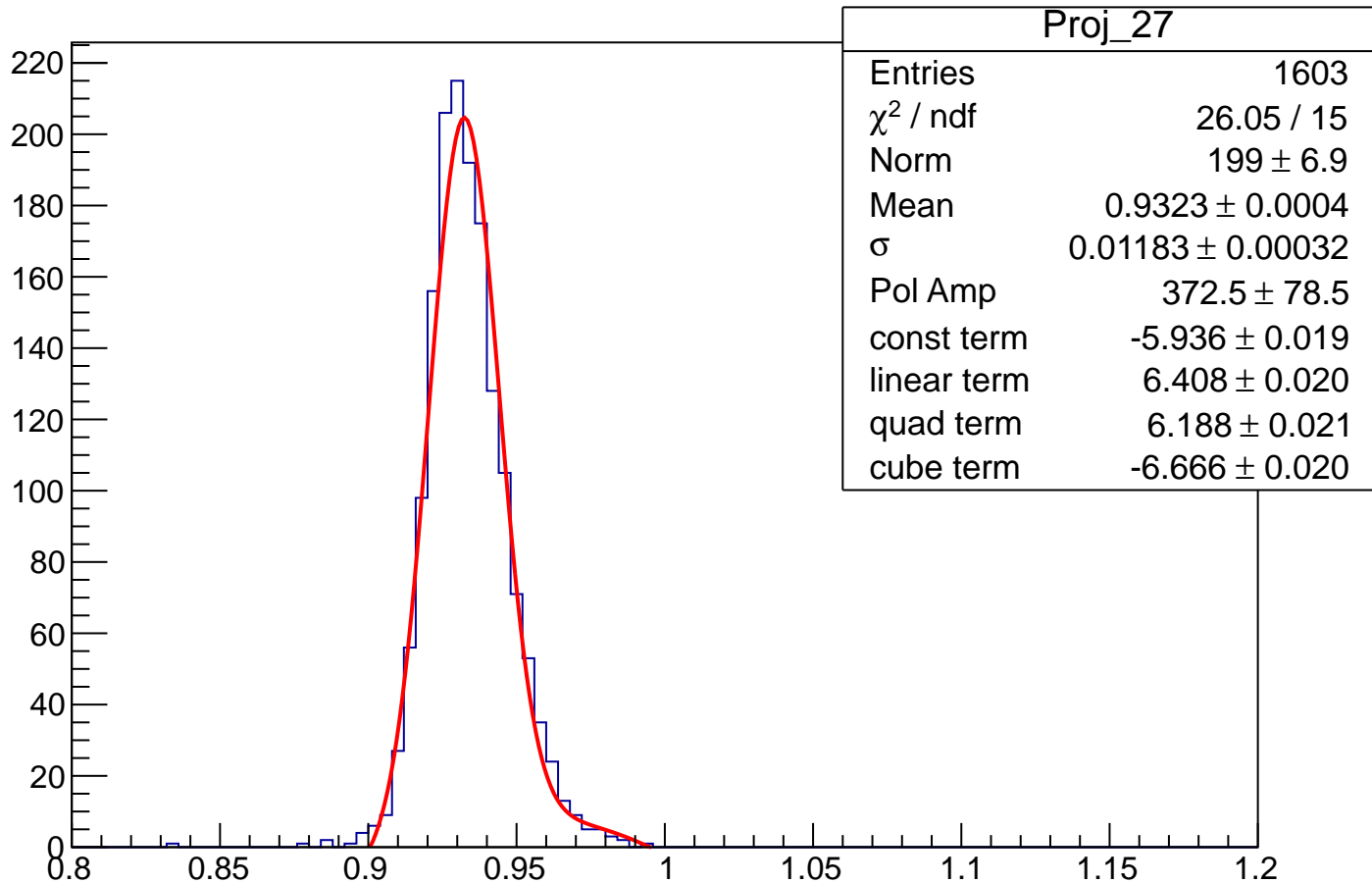
# PhiThetaMassPip



# PhiThetaMassPip

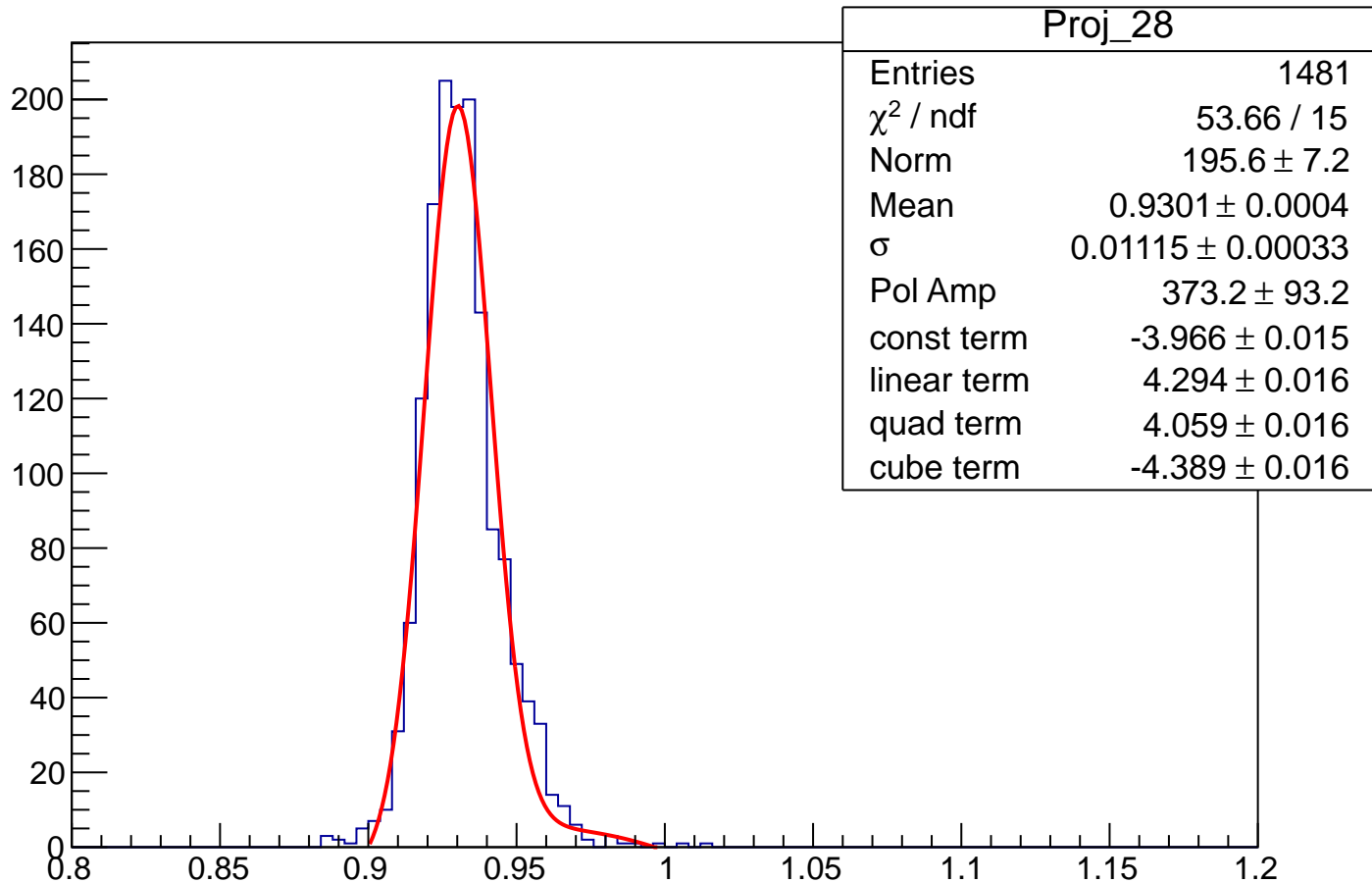


# PhiThetaMassPip

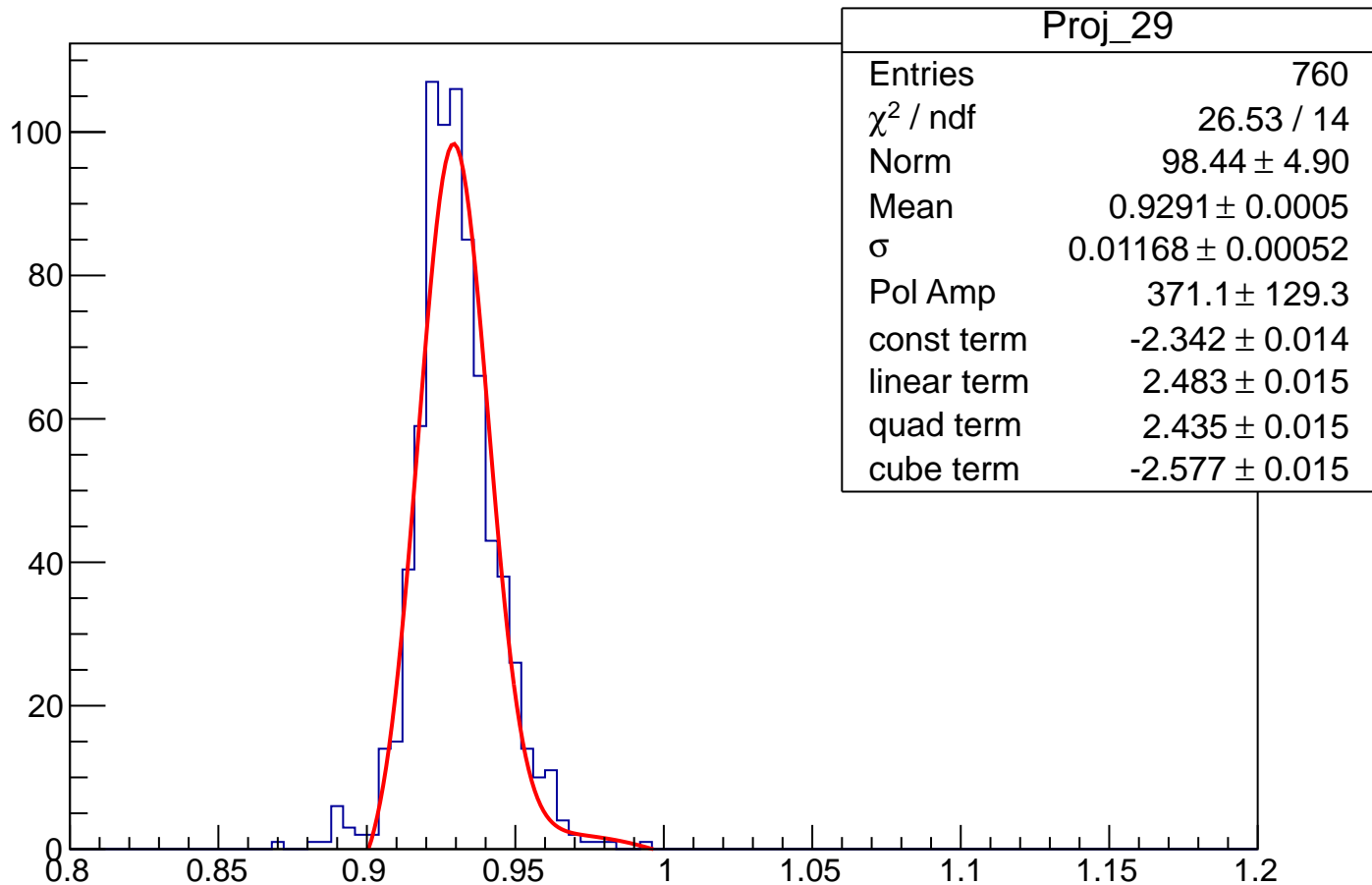




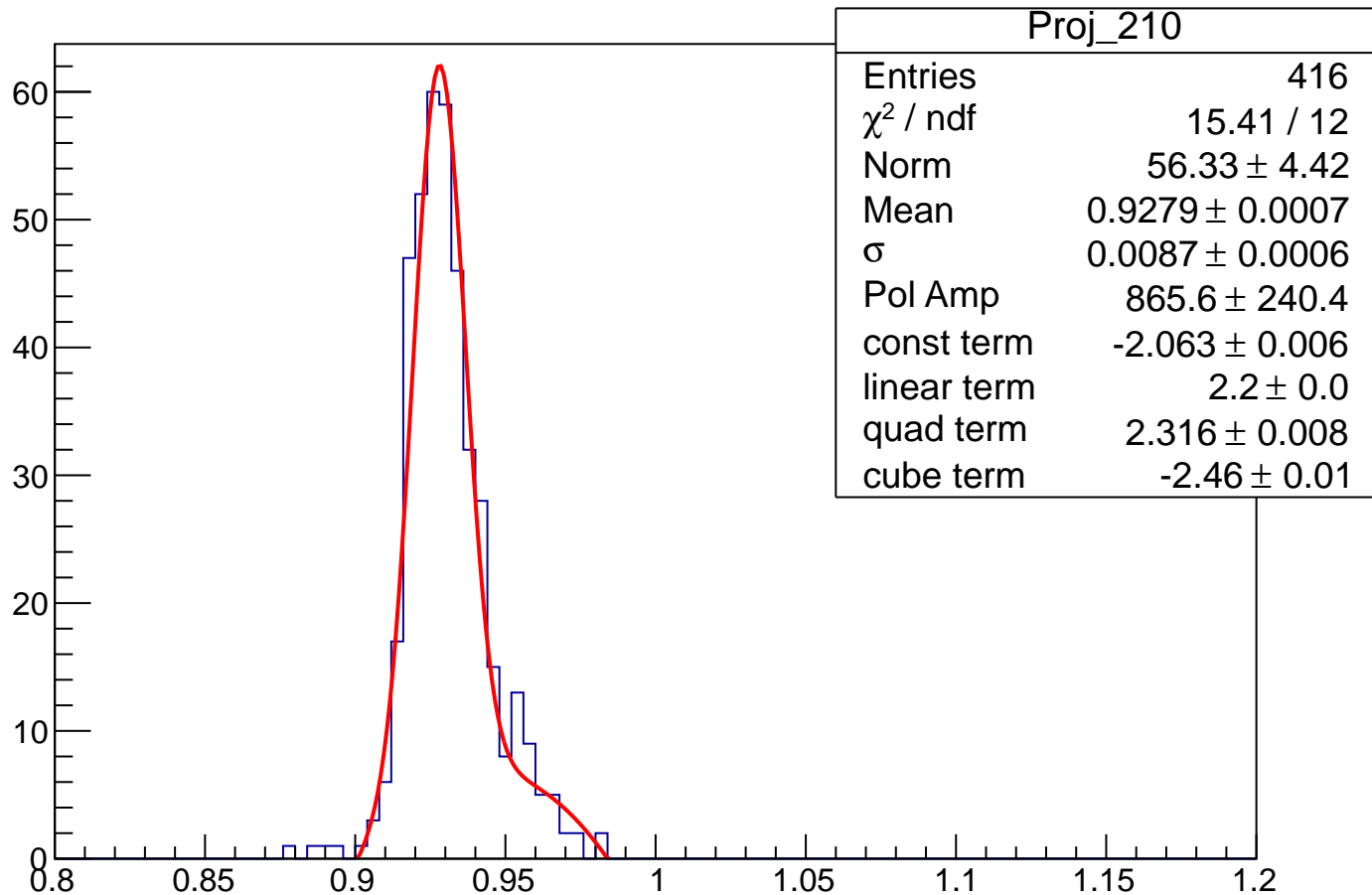
# PhiThetaMassPip



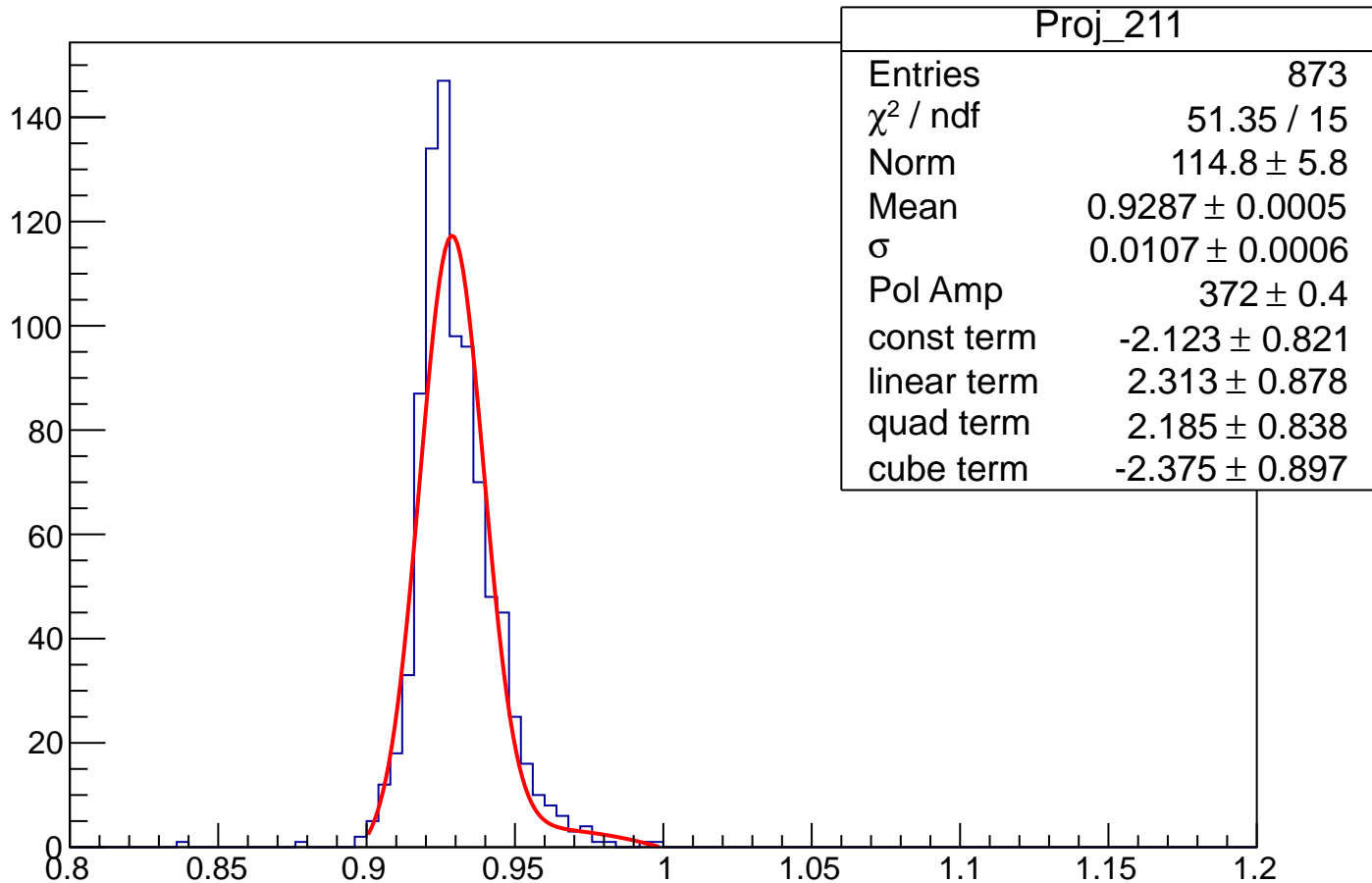
# PhiThetaMassPip



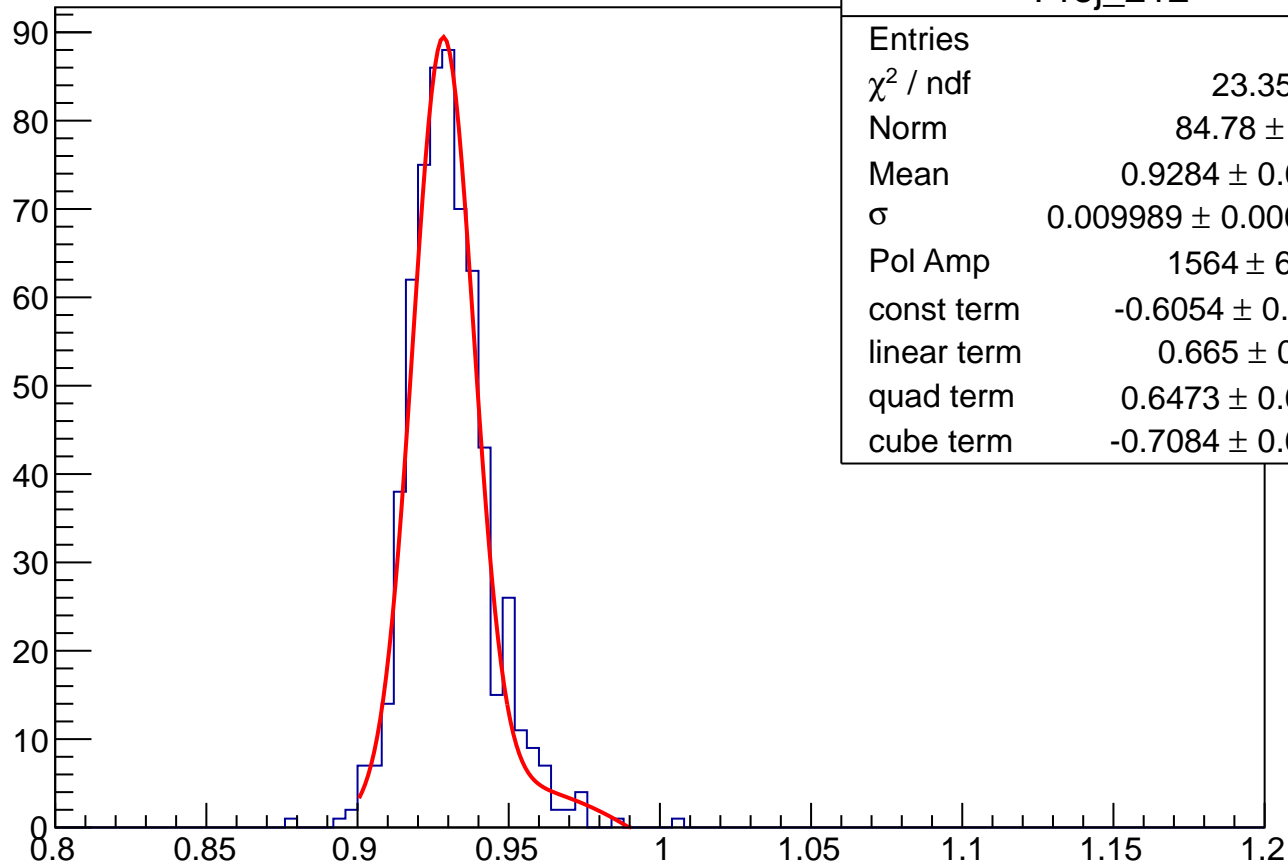
# PhiThetaMassPip



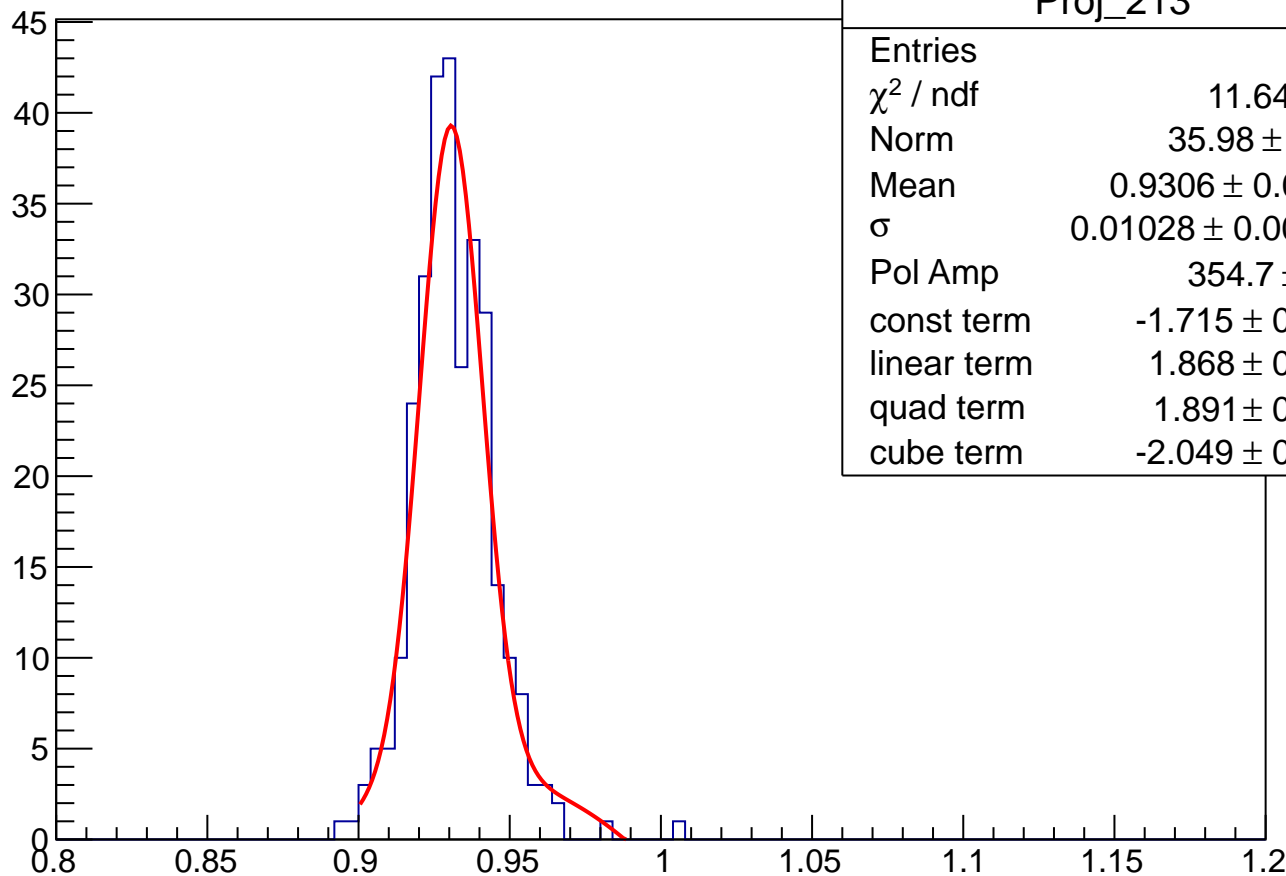
# PhiThetaMassPip



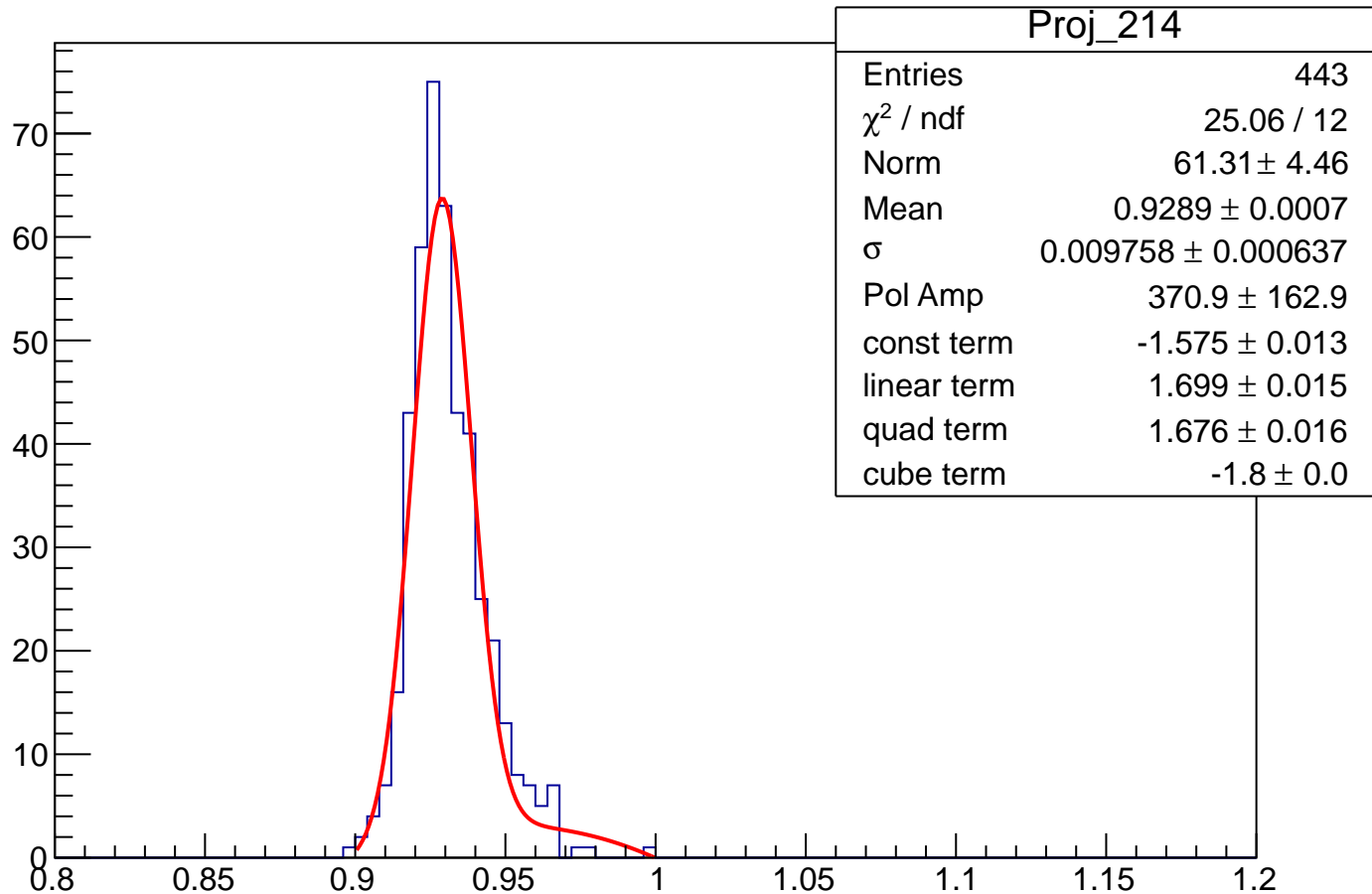
# PhiThetaMassPip



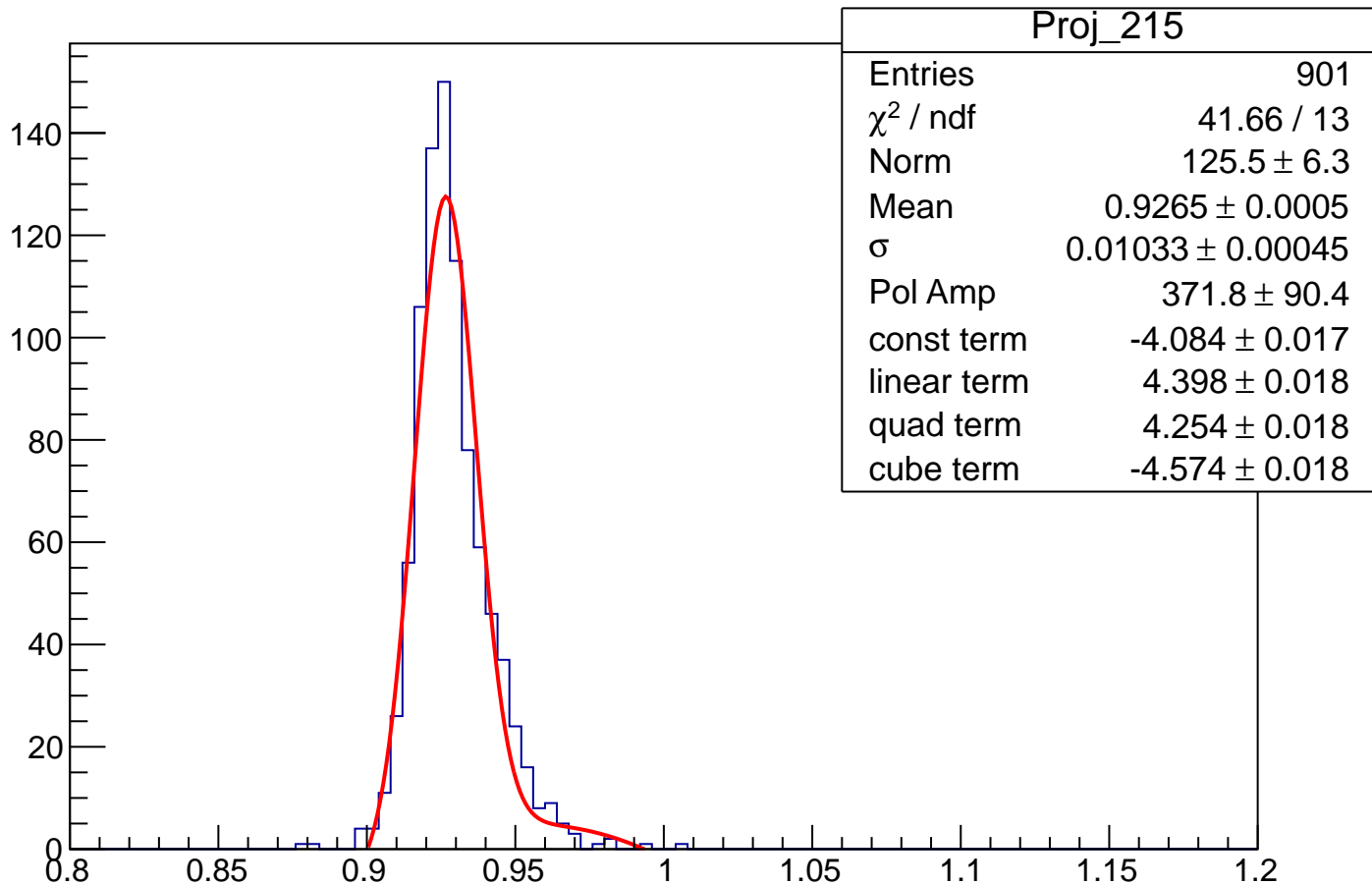
# PhiThetaMassPip



# PhiThetaMassPip

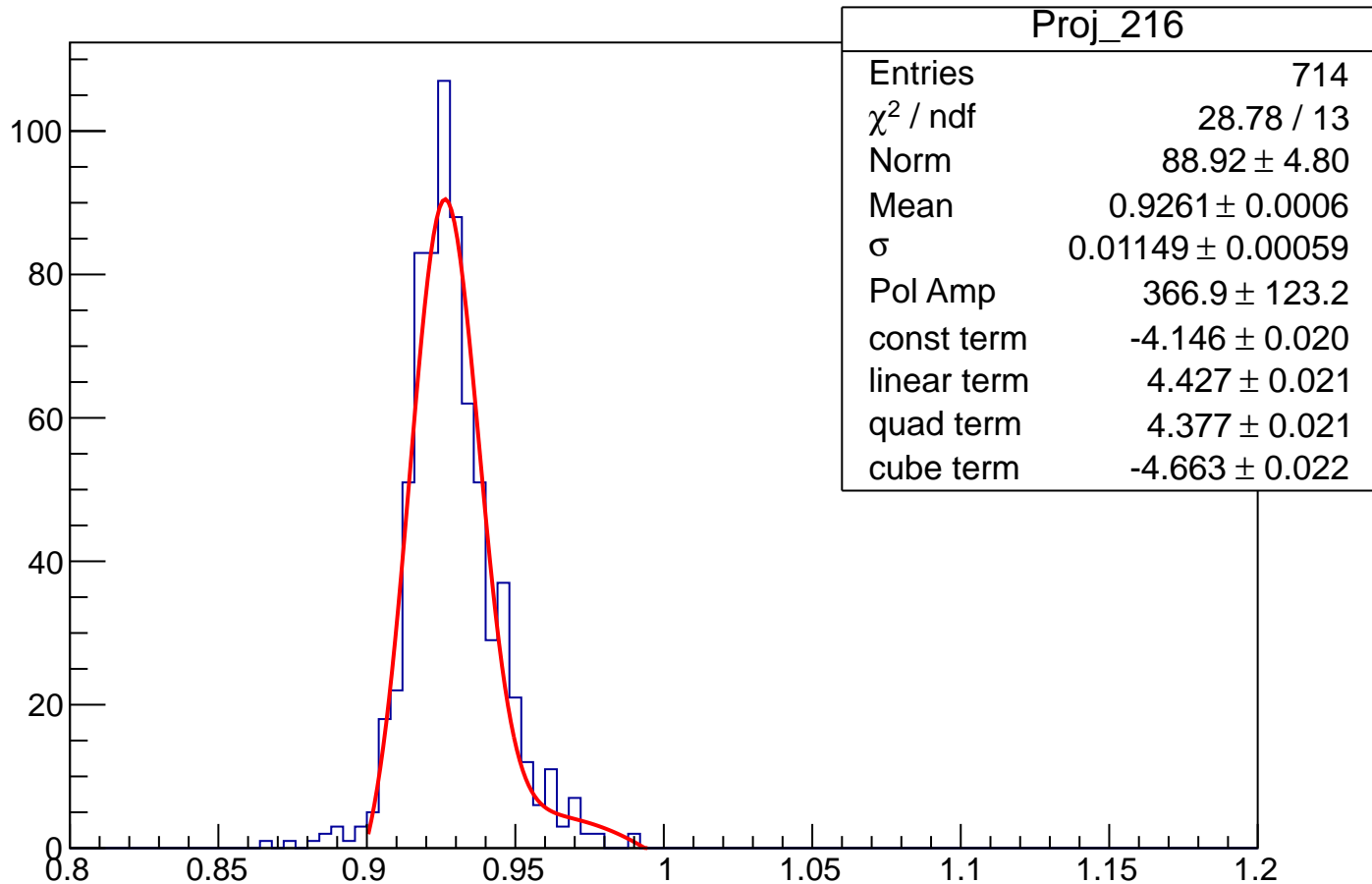


# PhiThetaMassPip

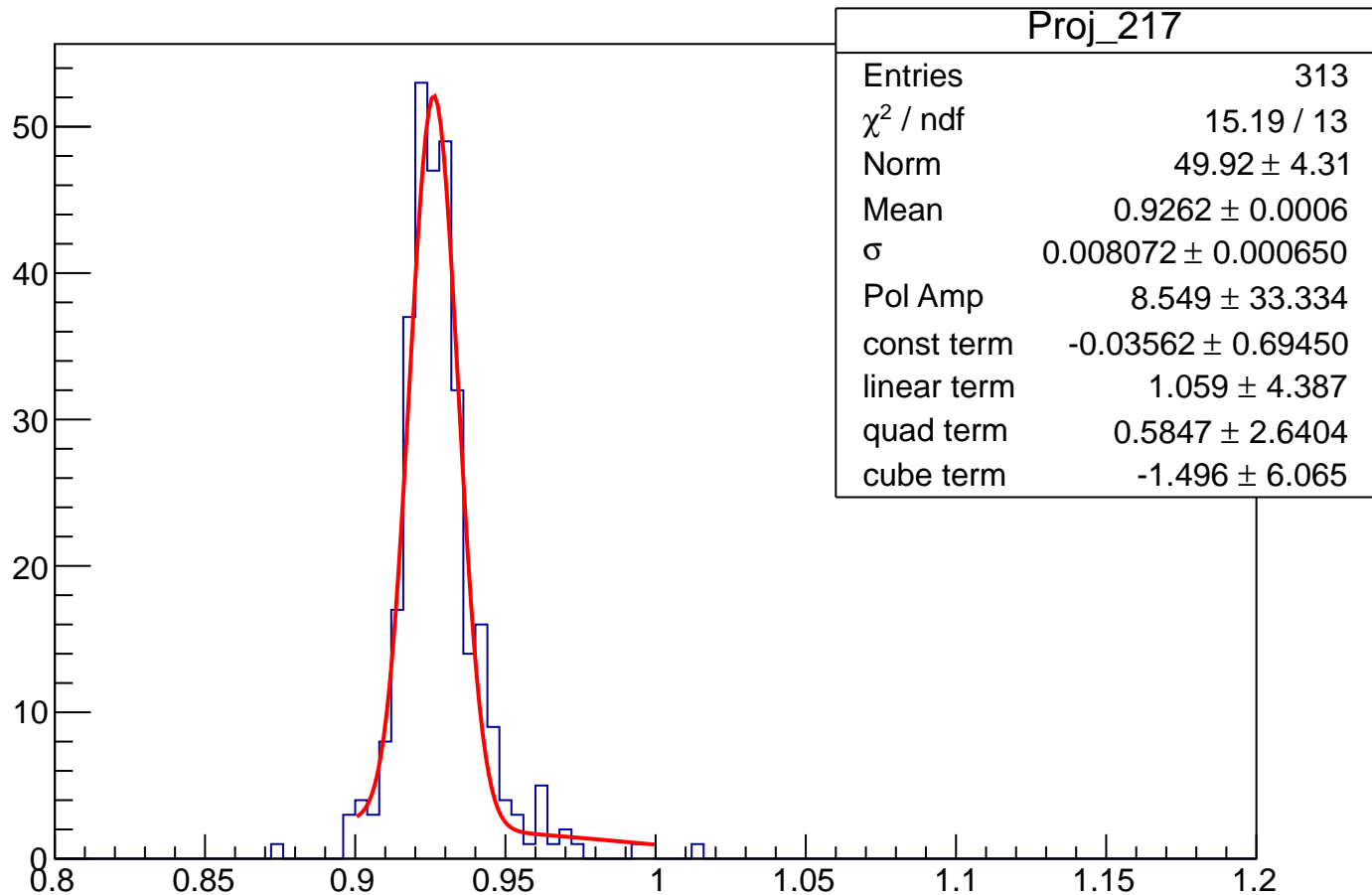




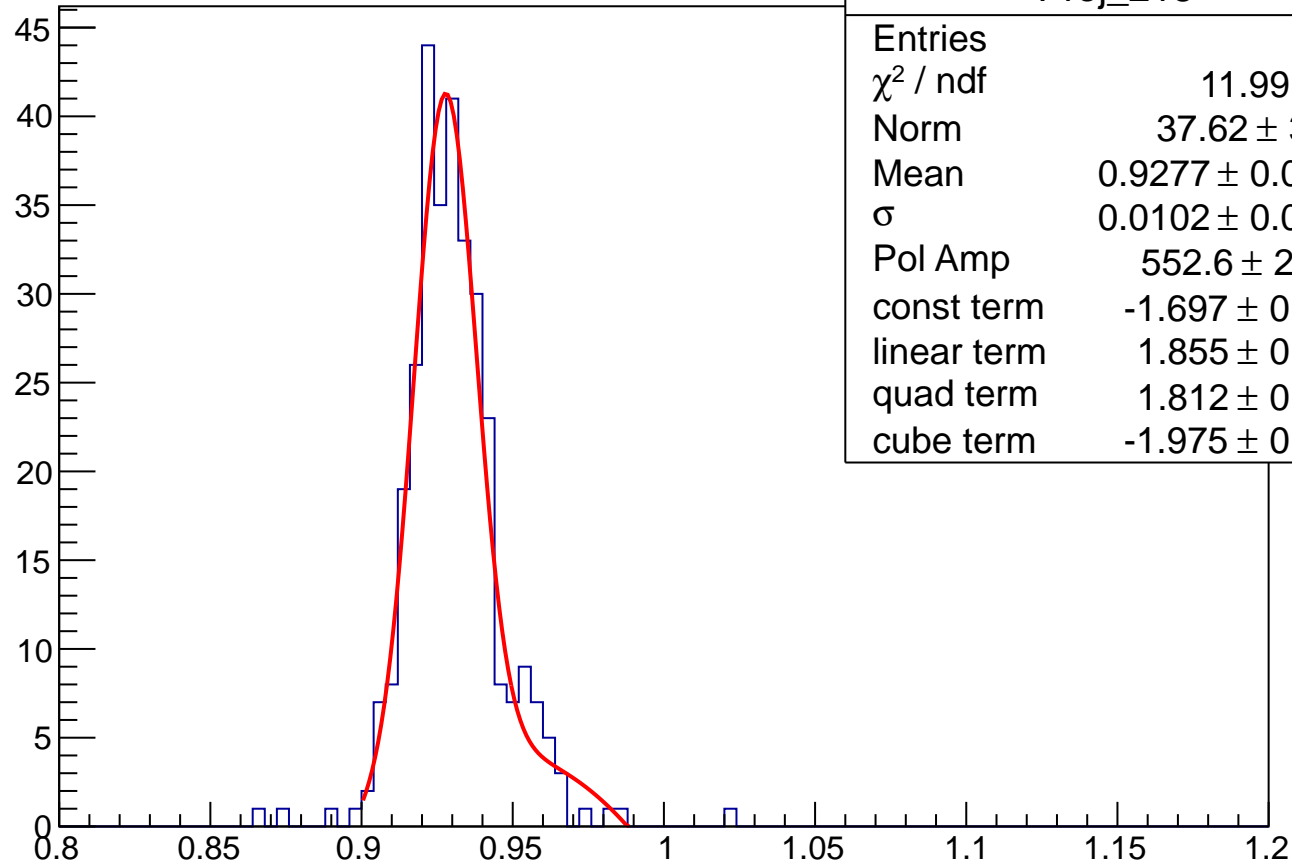
# PhiThetaMassPip



# PhiThetaMassPip



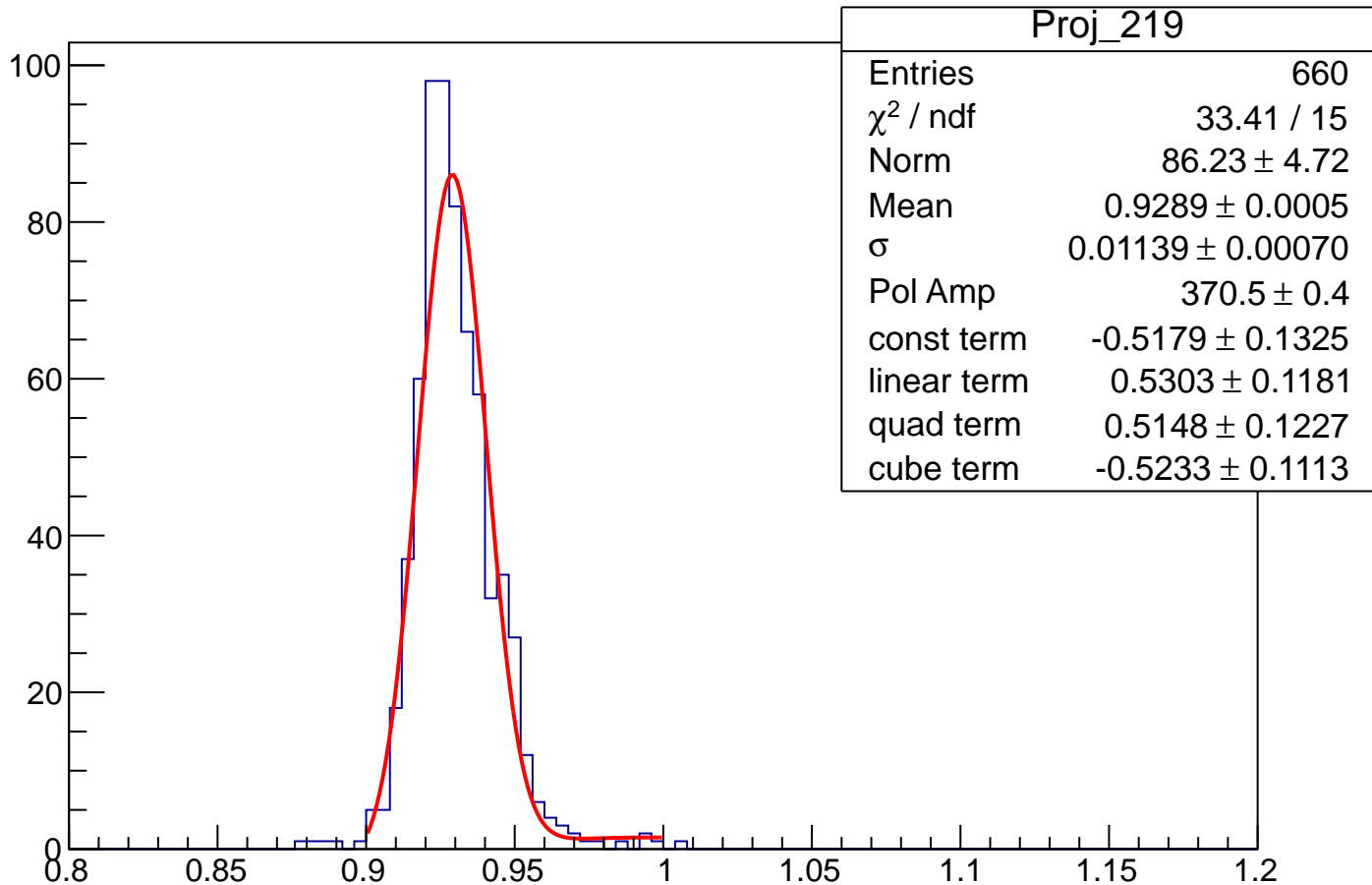
# PhiThetaMassPip



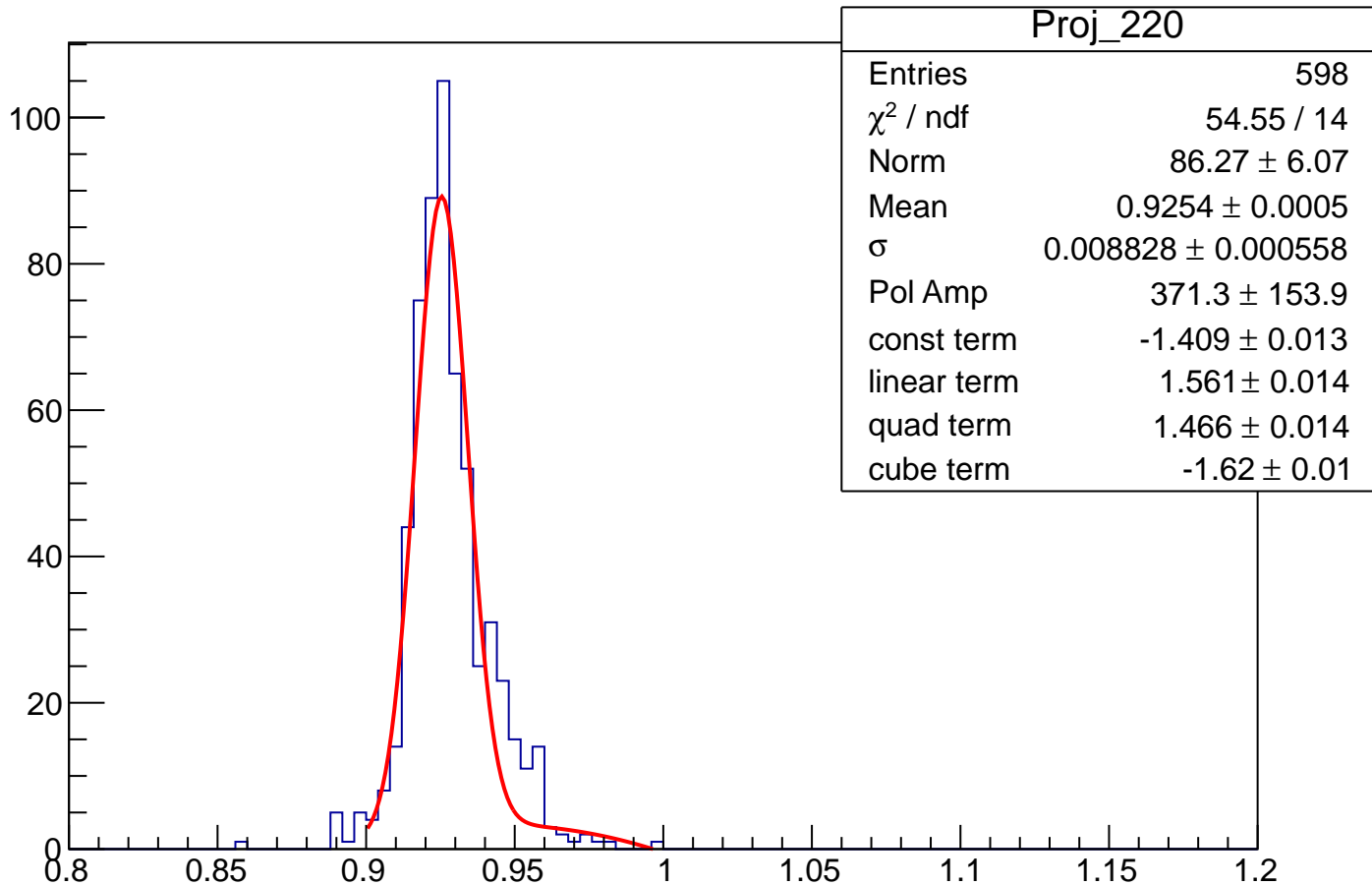
Proj\_218

Entries	315
$\chi^2 / \text{ndf}$	11.99 / 12
Norm	$37.62 \pm 3.37$
Mean	$0.9277 \pm 0.0009$
$\sigma$	$0.0102 \pm 0.0008$
Pol Amp	$552.6 \pm 235.1$
const term	$-1.697 \pm 0.009$
linear term	$1.855 \pm 0.010$
quad term	$1.812 \pm 0.010$
cube term	$-1.975 \pm 0.010$

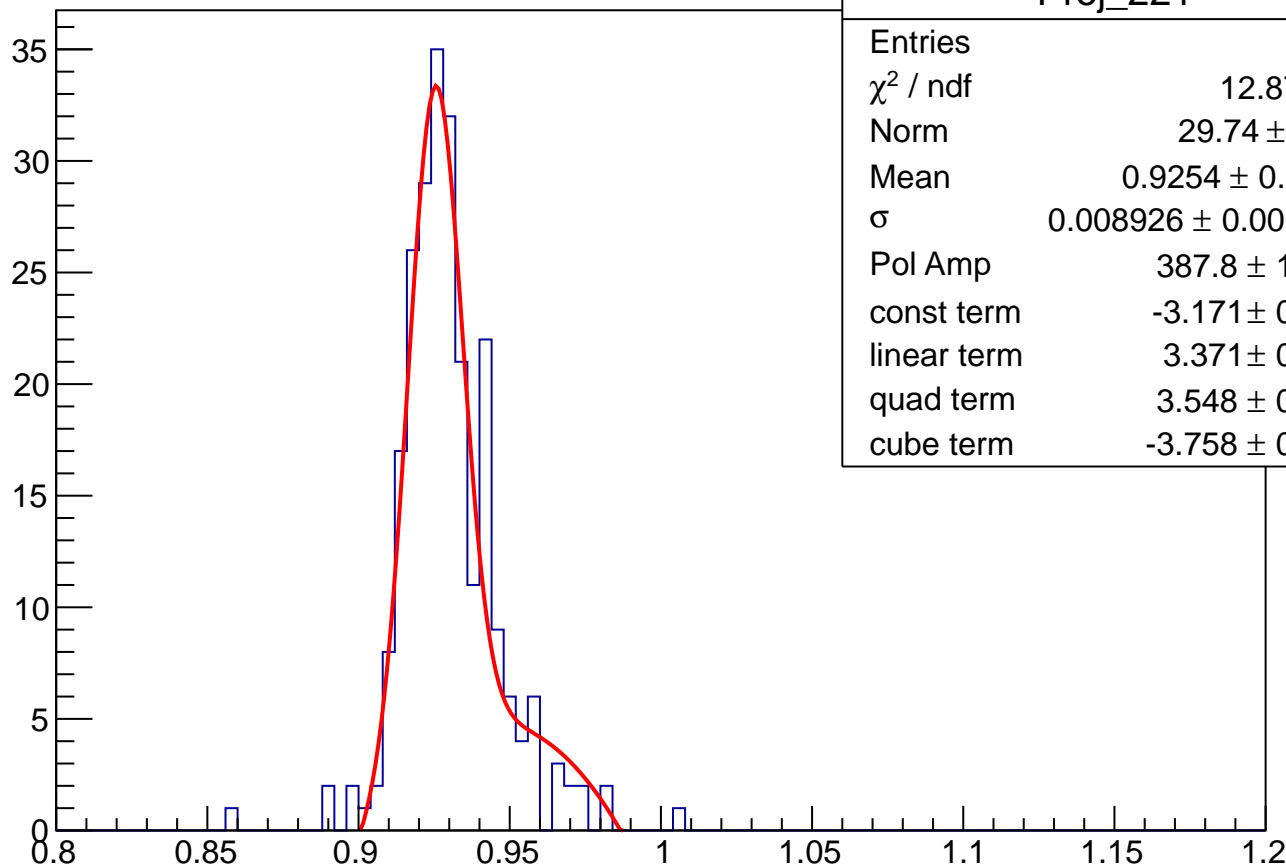
# PhiThetaMassPip



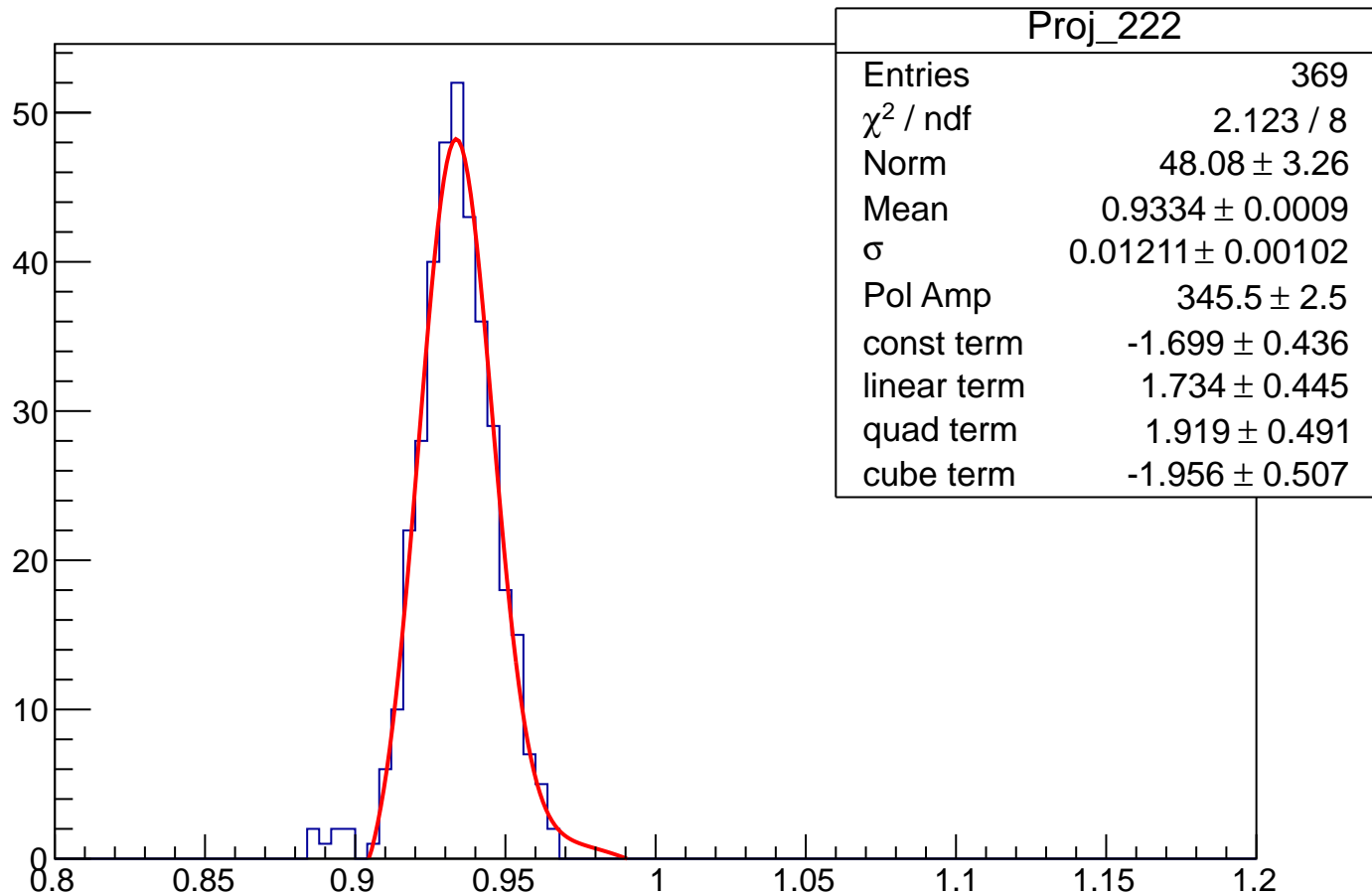
# PhiThetaMassPip



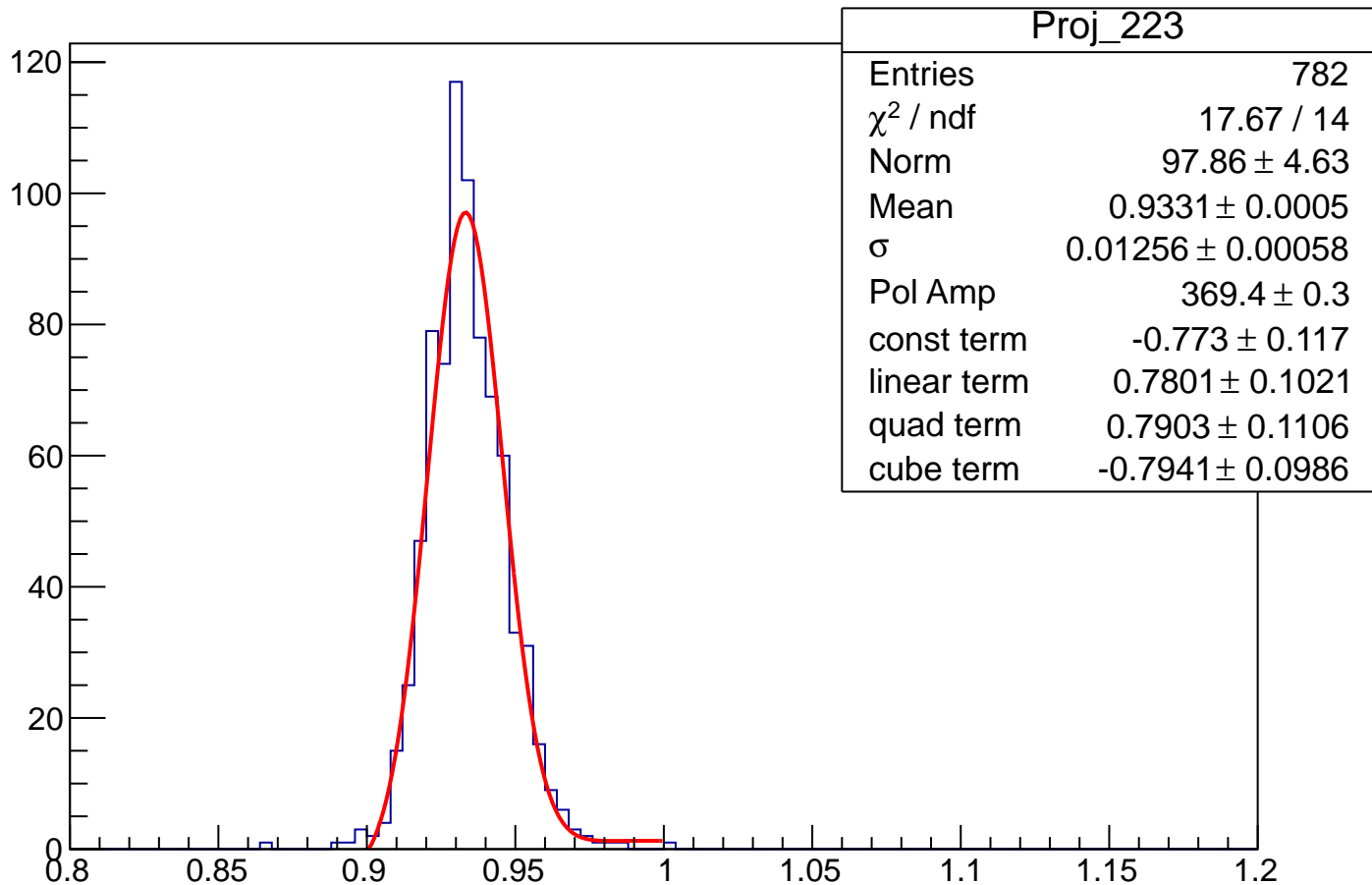
# PhiThetaMassPip



# PhiThetaMassPip

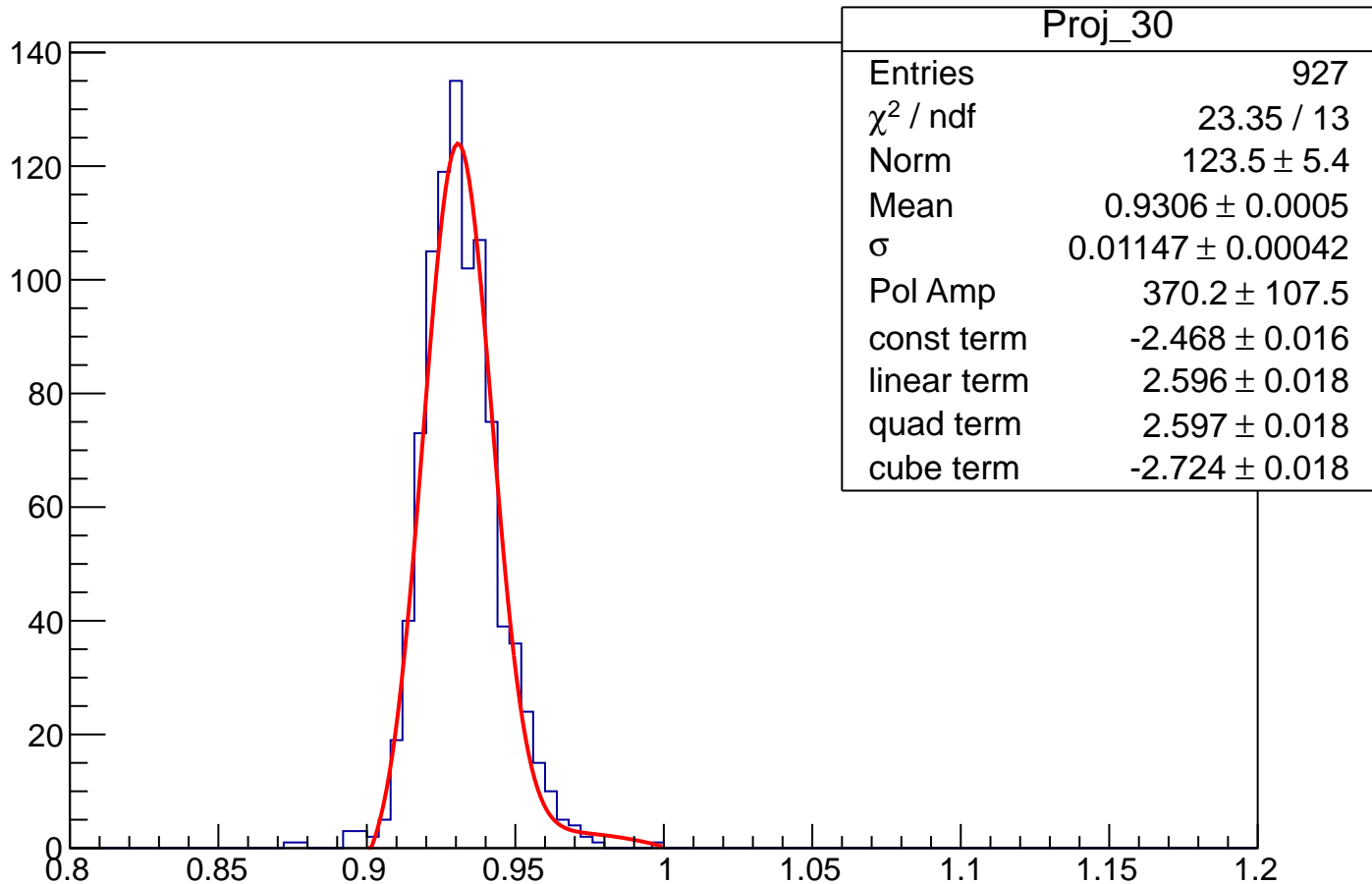


# PhiThetaMassPip

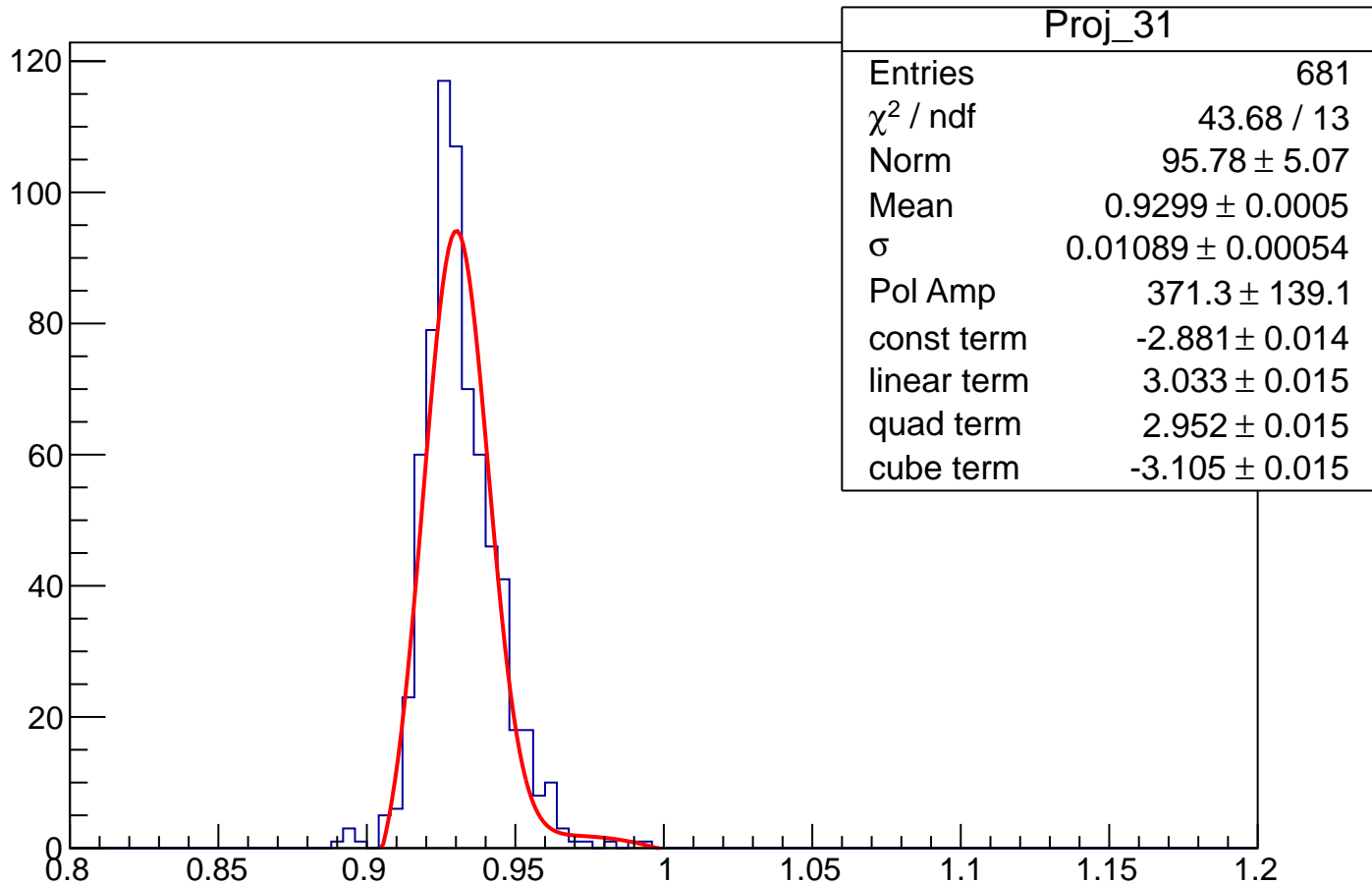




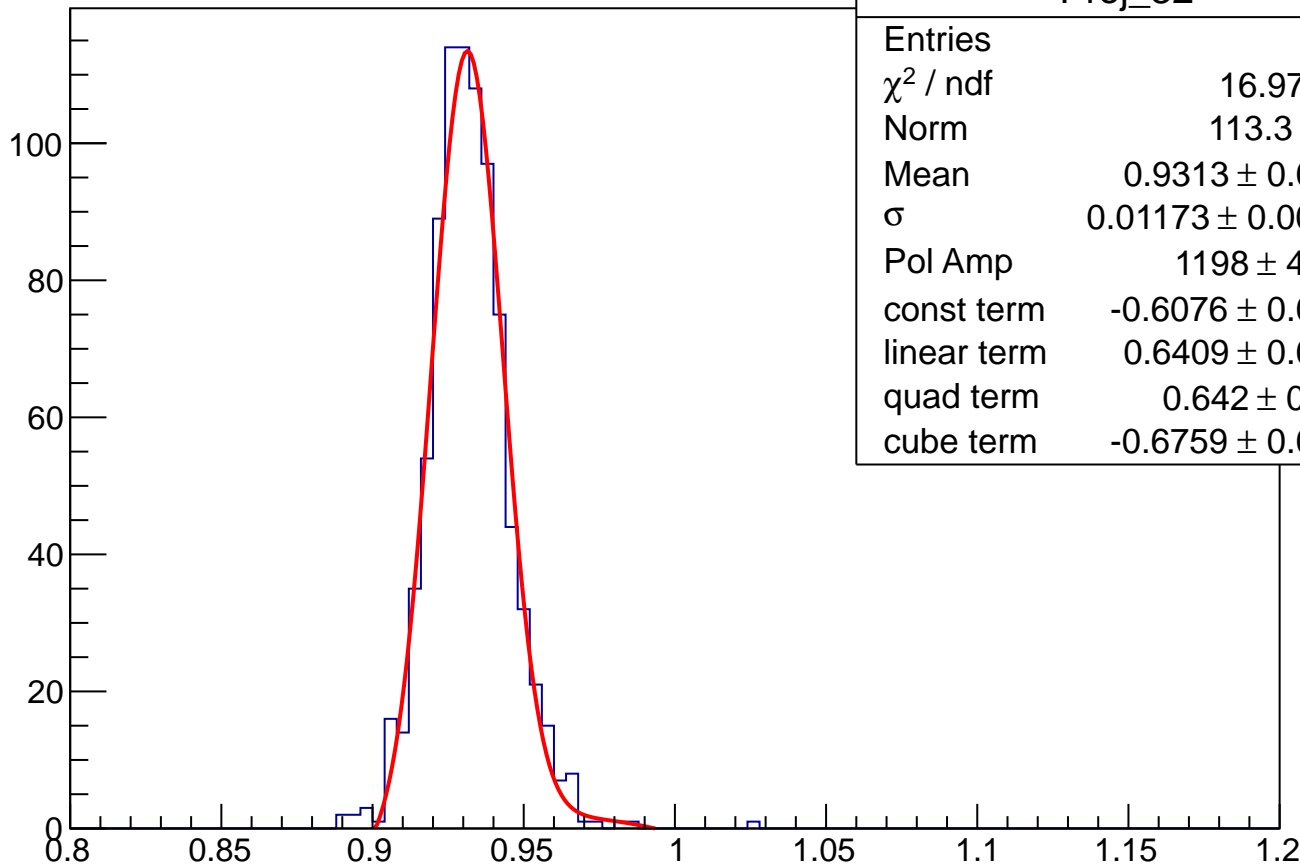
# PhiThetaMassPip



# PhiThetaMassPip



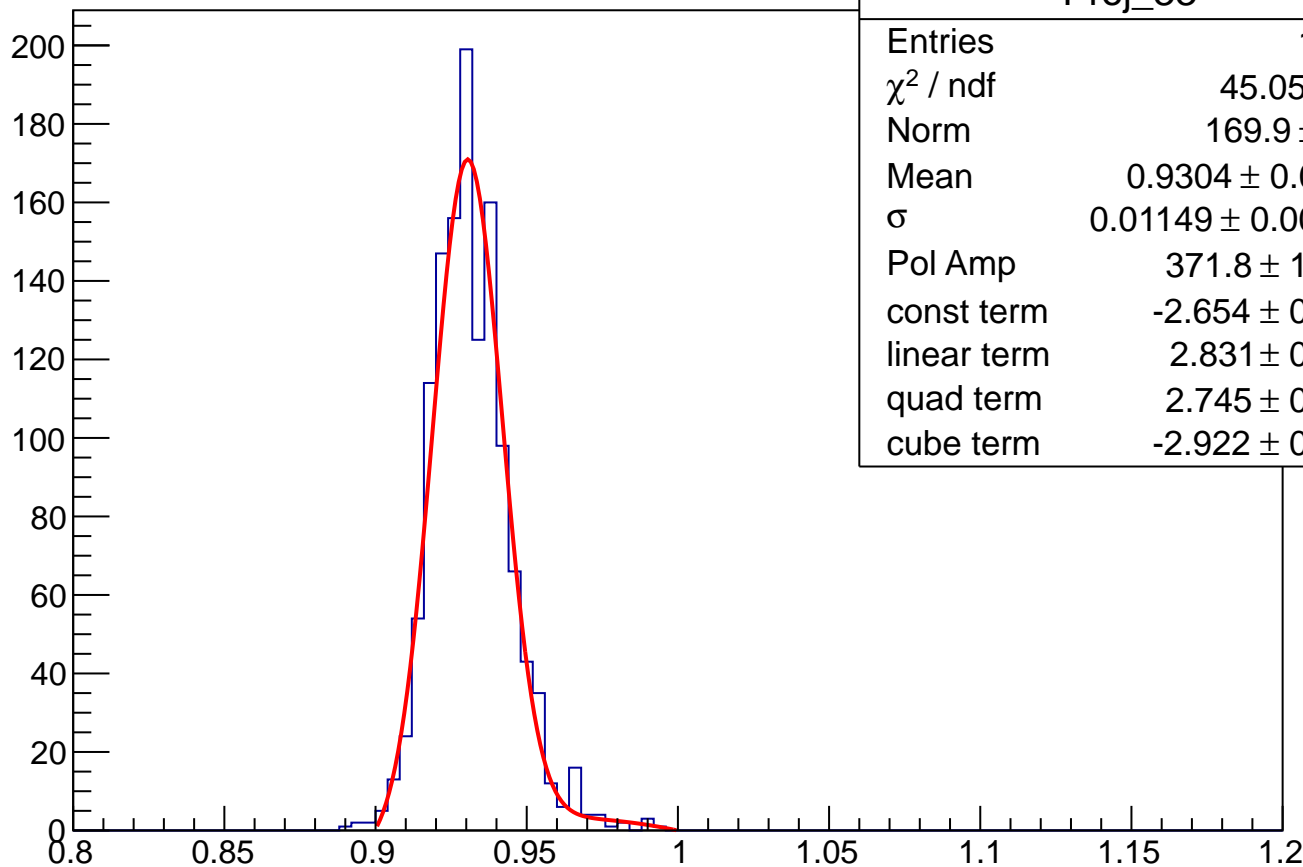
# PhiThetaMassPip



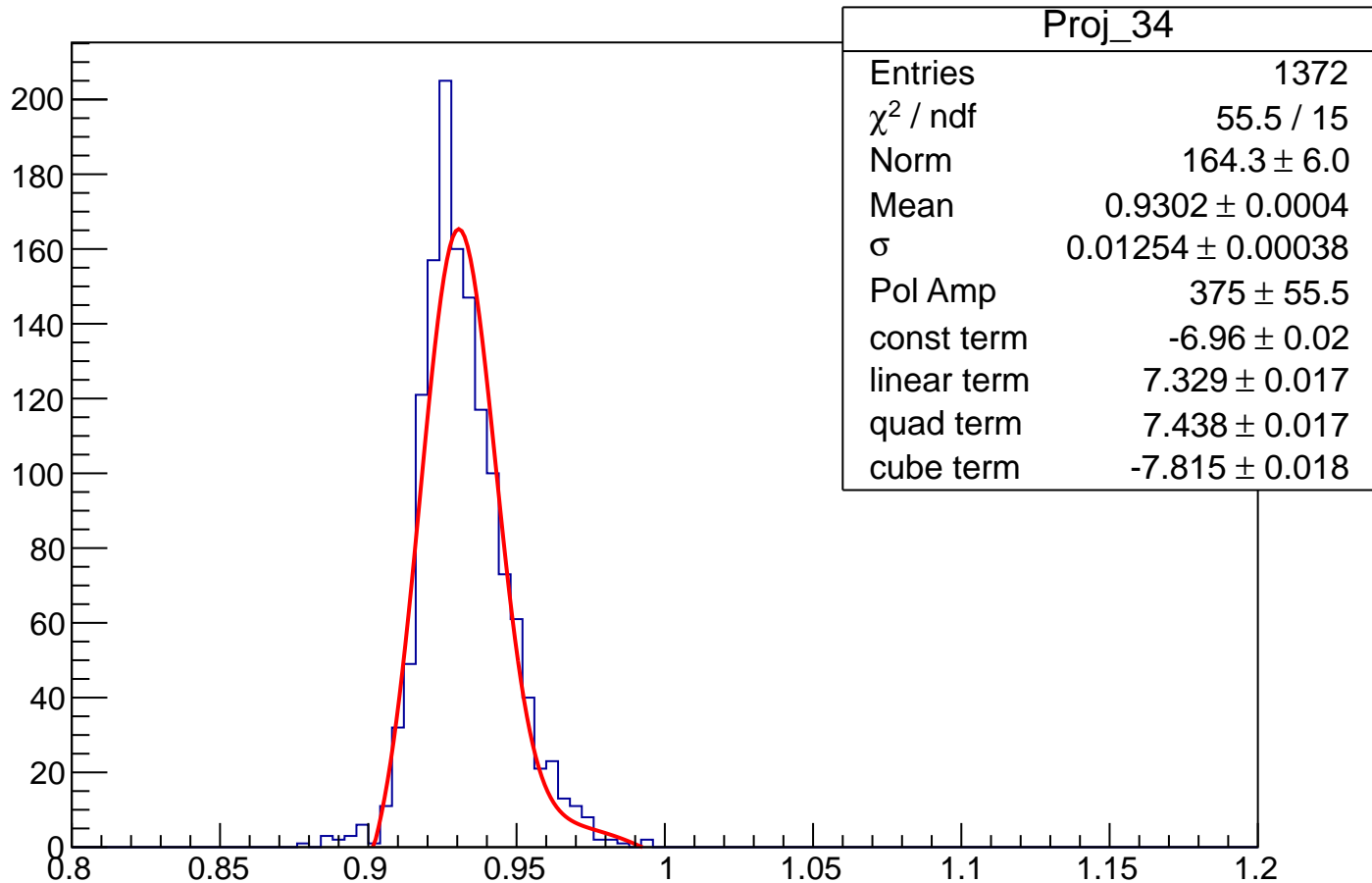
Proj\_32

Entries	856
$\chi^2 / \text{ndf}$	16.97 / 13
Norm	$113.3 \pm 5.1$
Mean	$0.9313 \pm 0.0005$
$\sigma$	$0.01173 \pm 0.00044$
Pol Amp	$1198 \pm 434.4$
const term	$-0.6076 \pm 0.0044$
linear term	$0.6409 \pm 0.0047$
quad term	$0.642 \pm 0.005$
cube term	$-0.6759 \pm 0.0049$

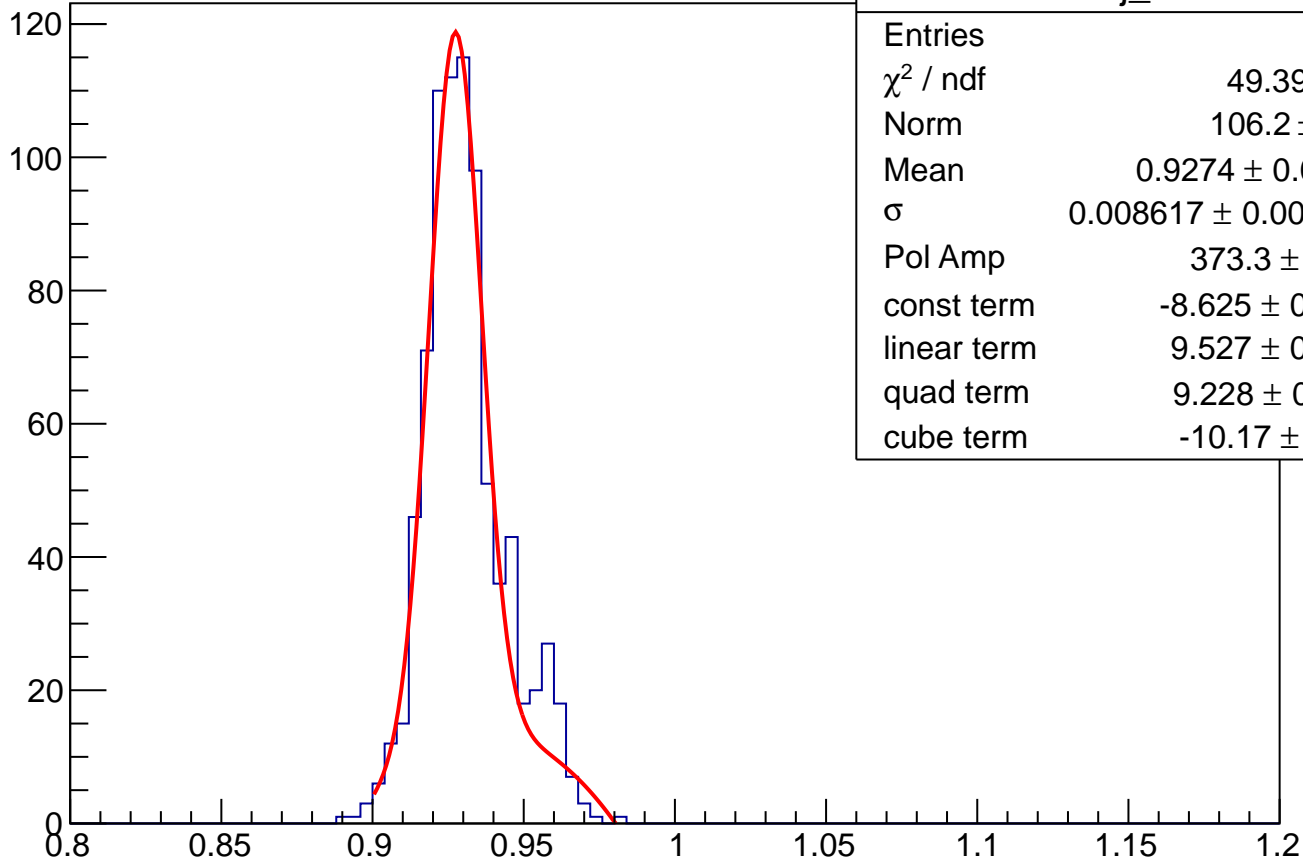
# PhiThetaMassPip



# PhiThetaMassPip



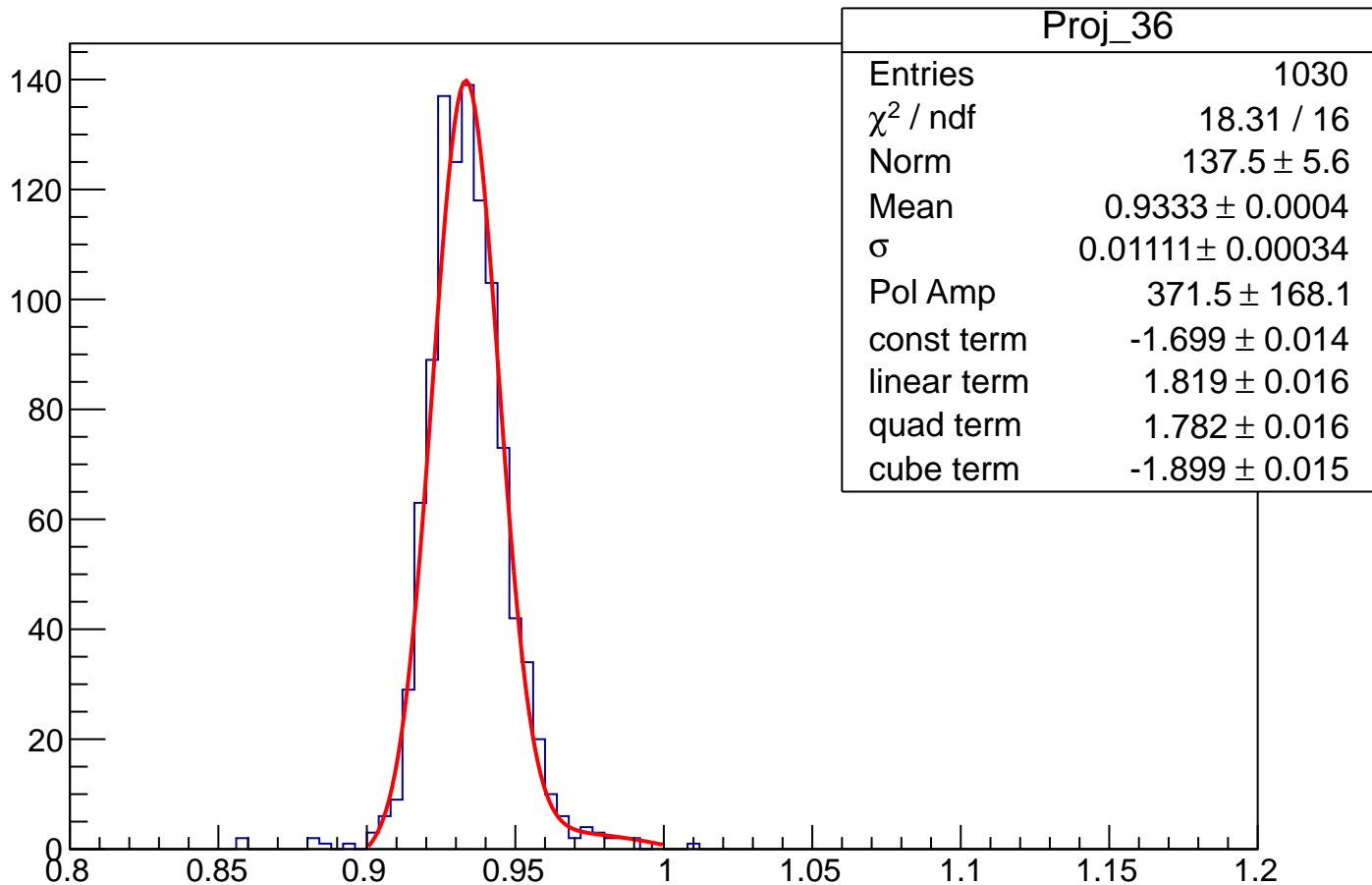
# PhiThetaMassPip



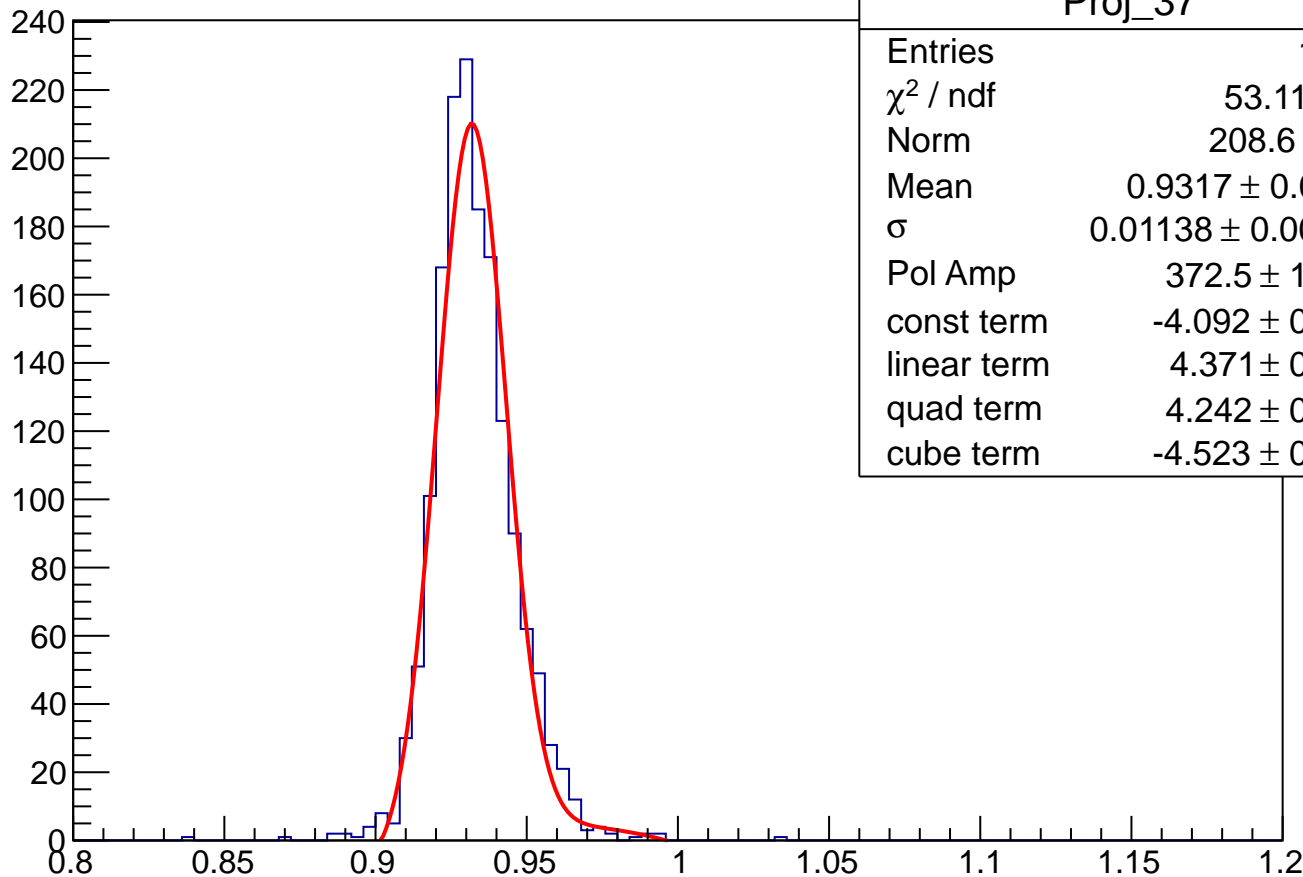
Proj\_35

Entries	815
$\chi^2 / \text{ndf}$	49.39 / 12
Norm	$106.2 \pm 6.4$
Mean	$0.9274 \pm 0.0005$
$\sigma$	$0.008617 \pm 0.000501$
Pol Amp	$373.3 \pm 68.6$
const term	$-8.625 \pm 0.018$
linear term	$9.527 \pm 0.019$
quad term	$9.228 \pm 0.020$
cube term	$-10.17 \pm 0.02$

# PhiThetaMassPip

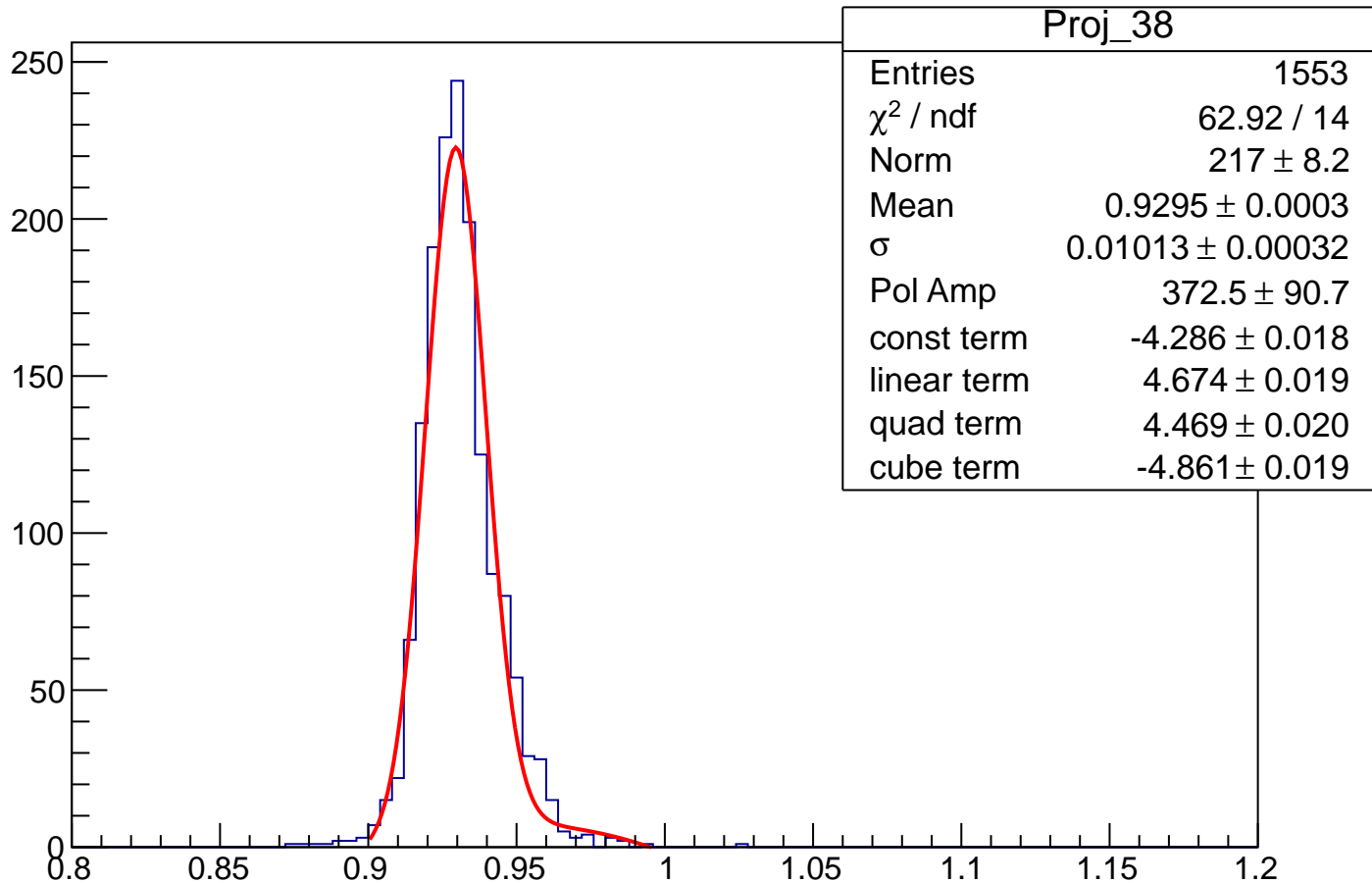


# PhiThetaMassPip

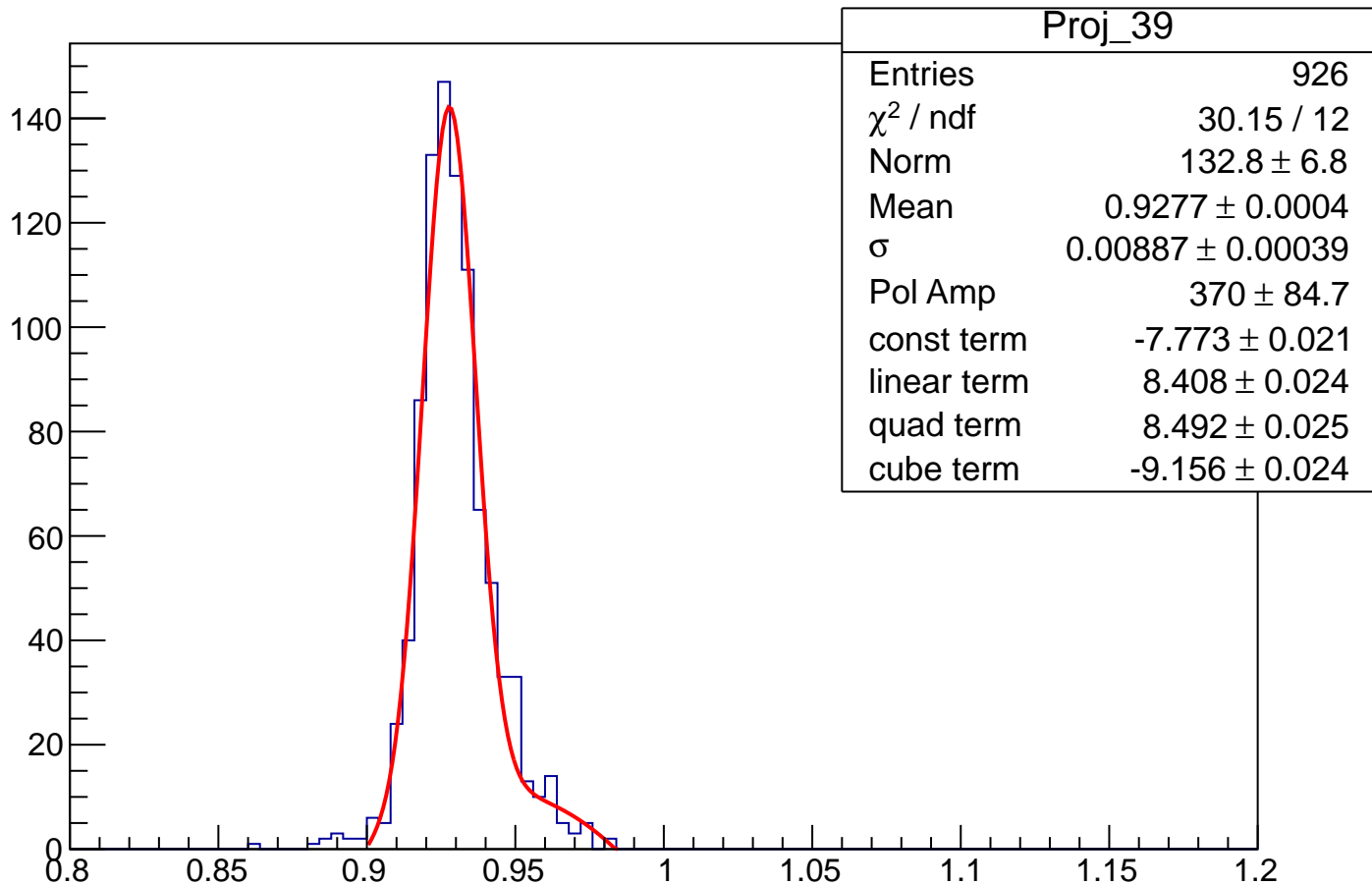




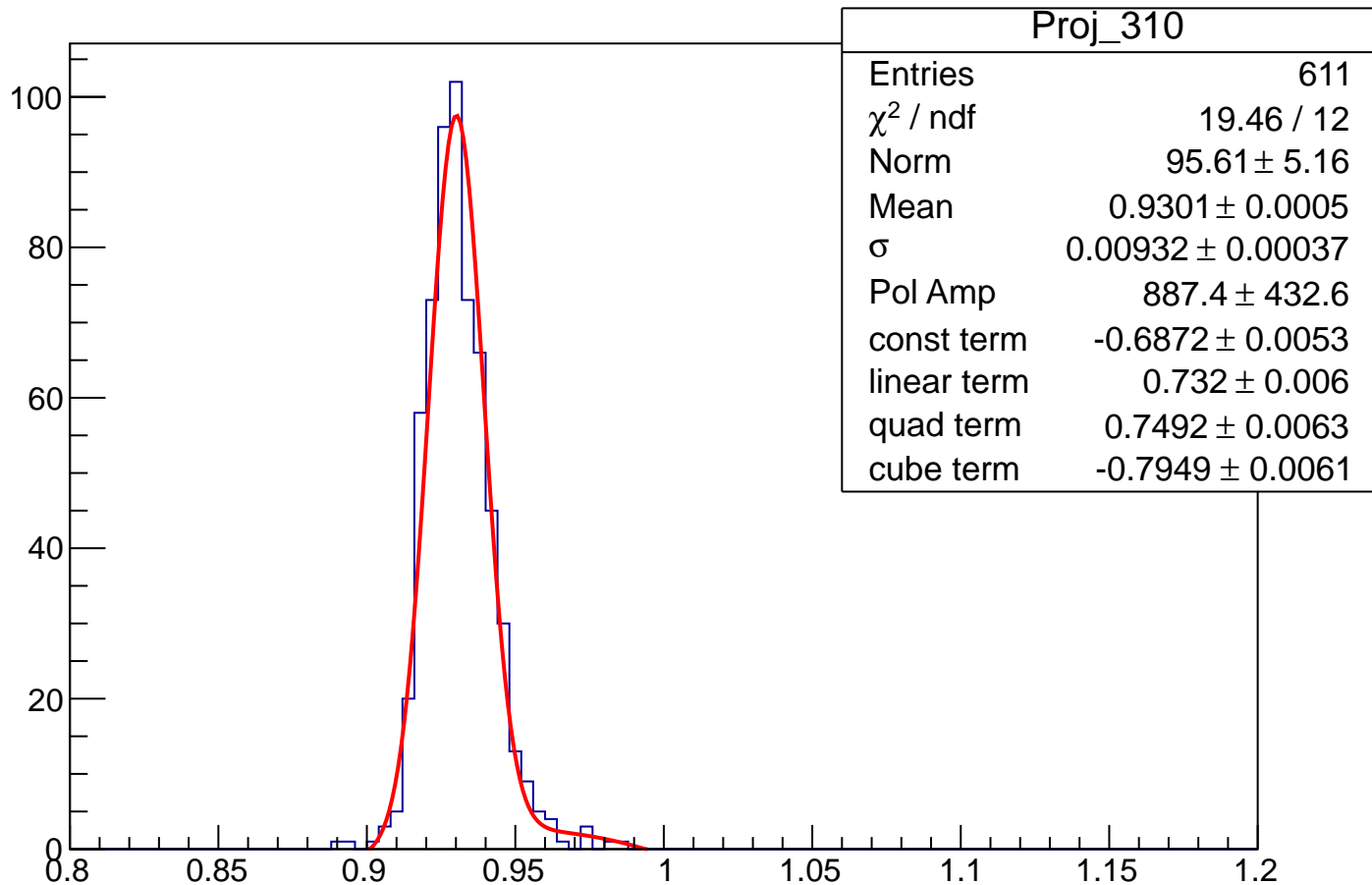
# PhiThetaMassPip



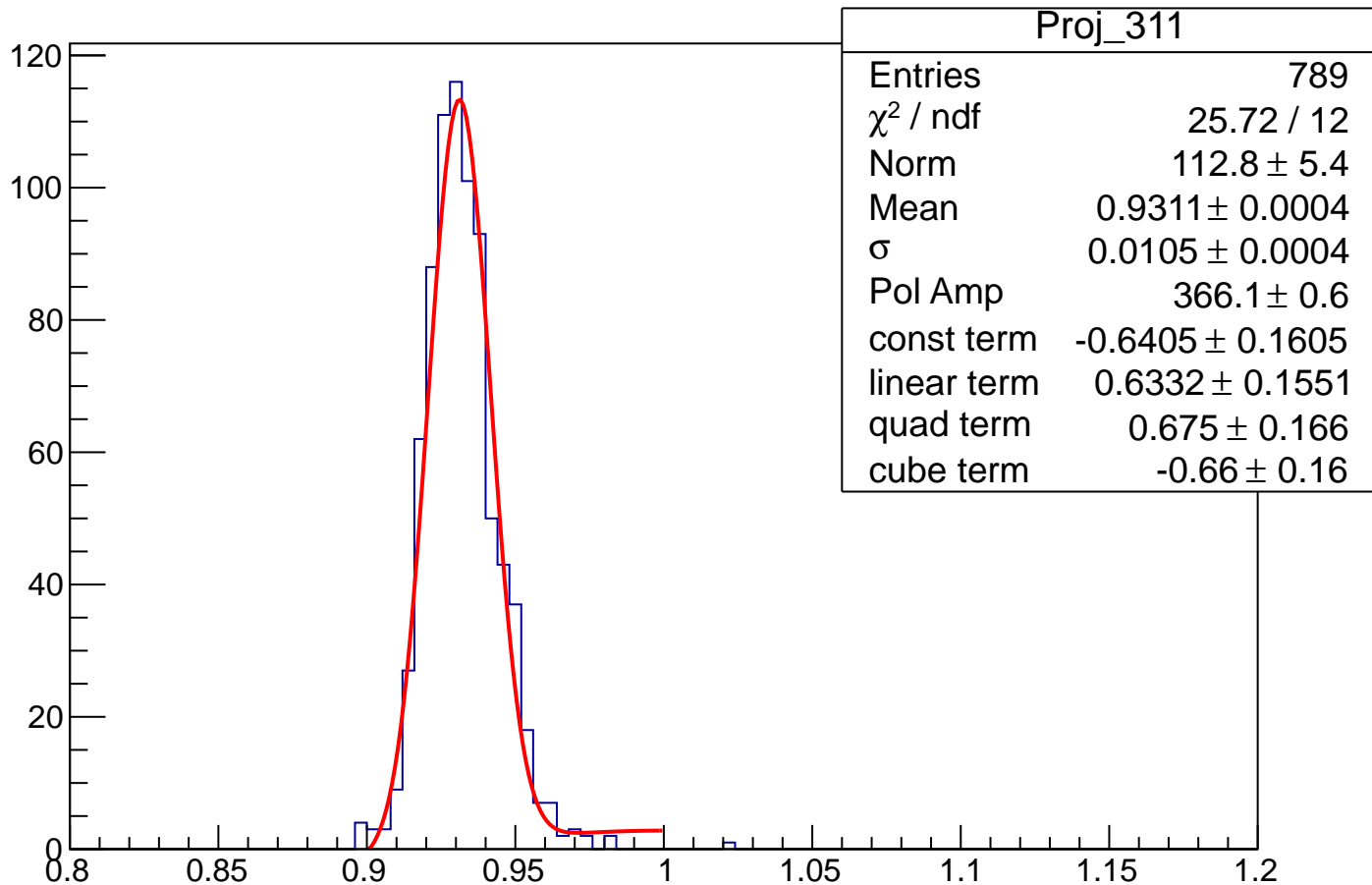
# PhiThetaMassPip



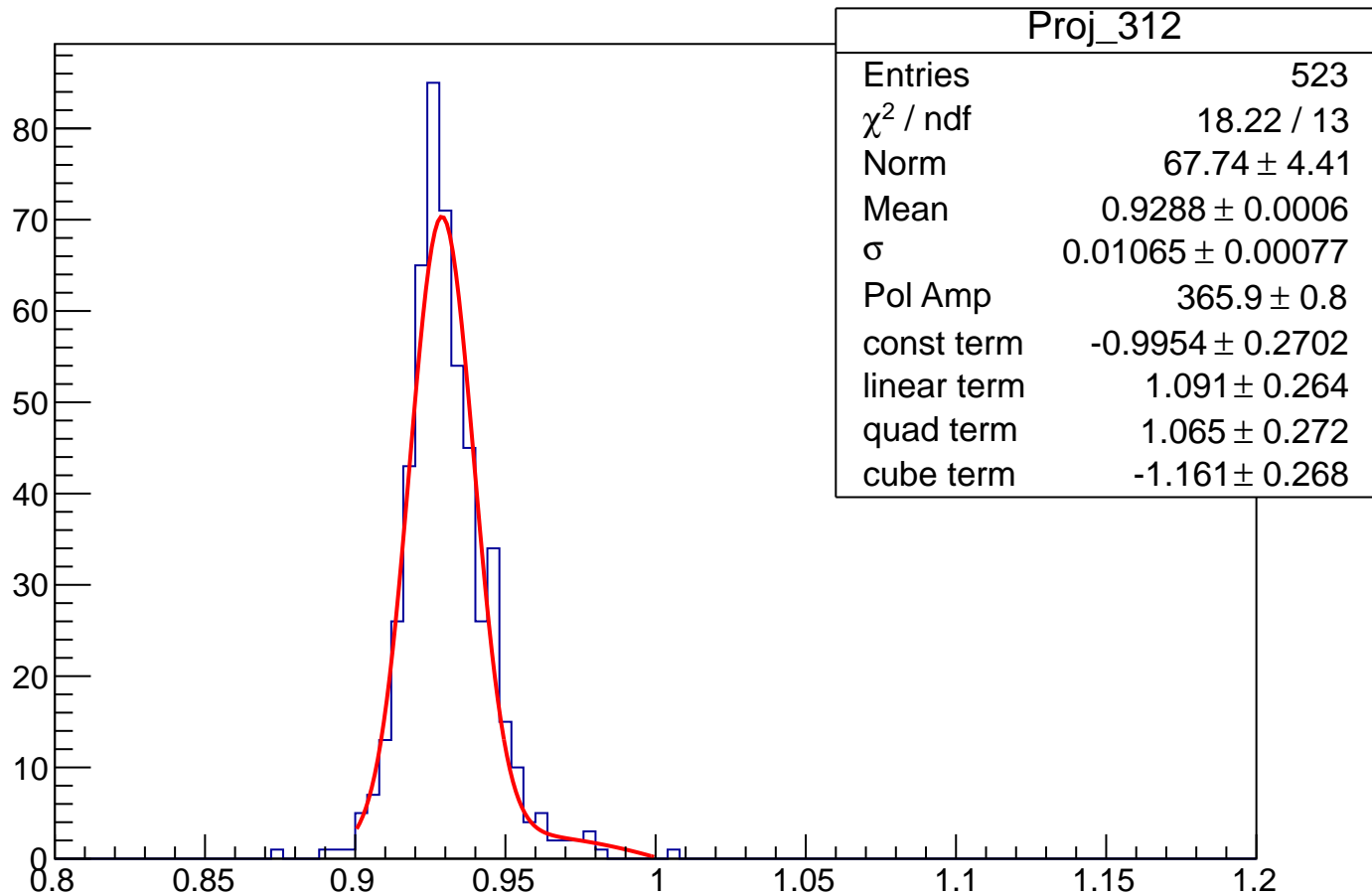
# PhiThetaMassPip



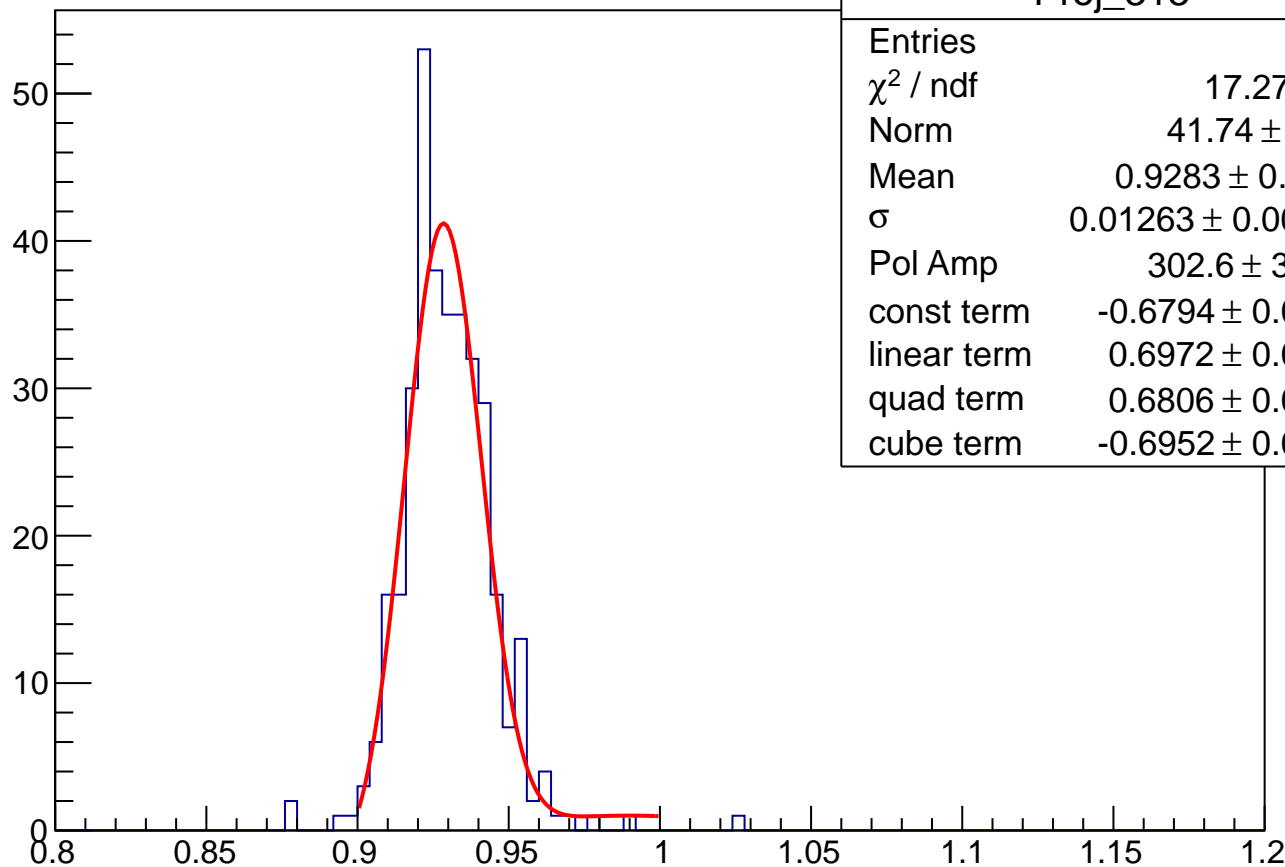
# PhiThetaMassPip



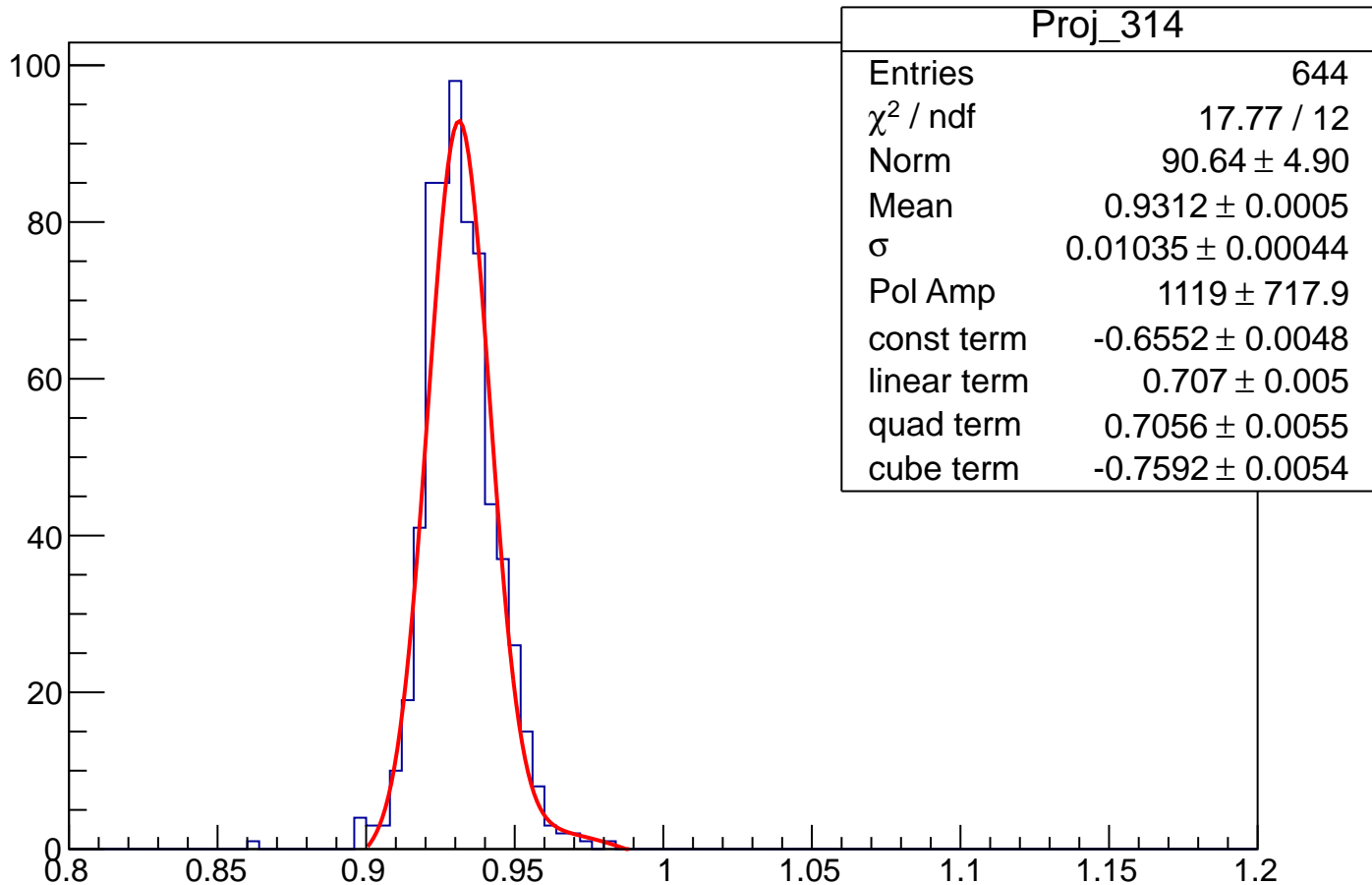
# PhiThetaMassPip



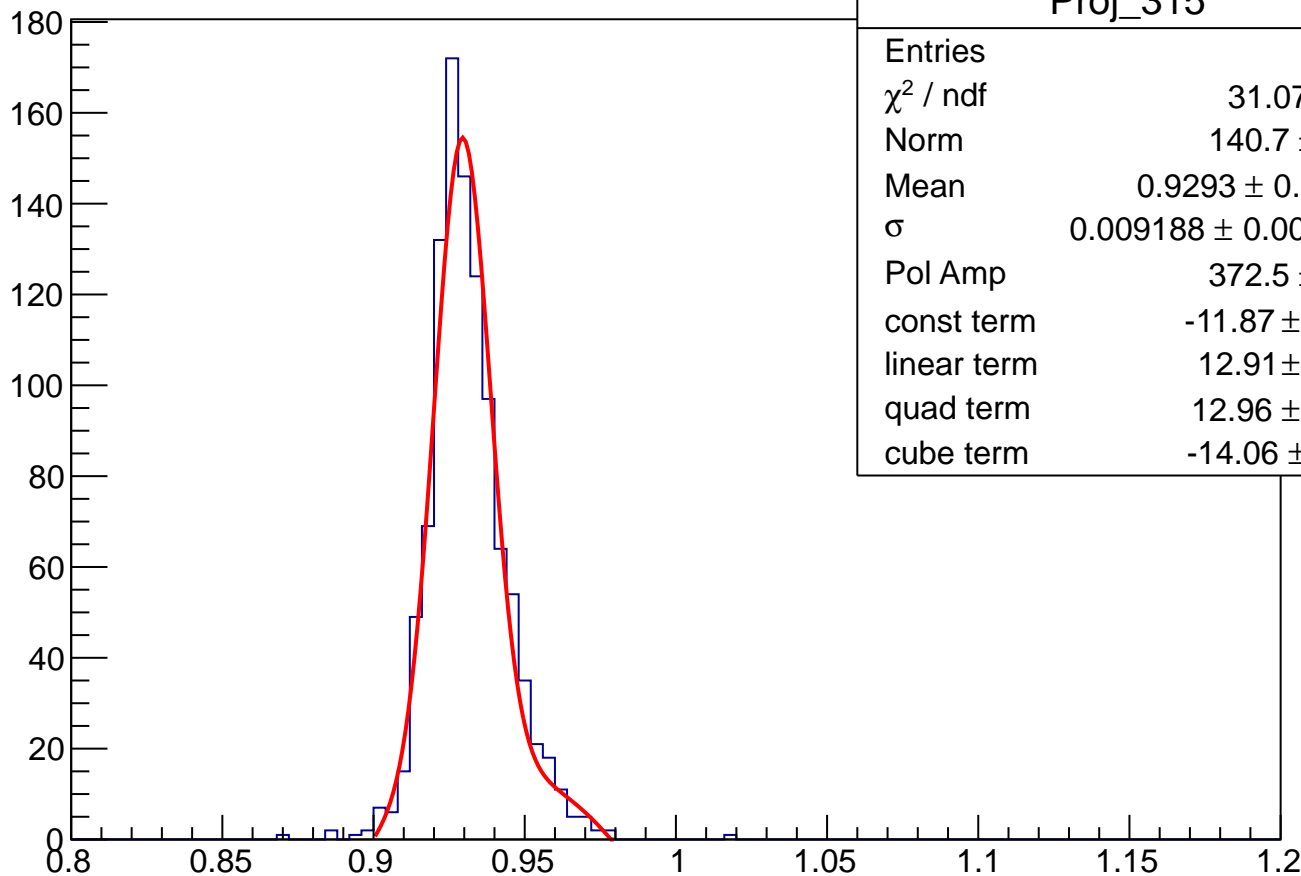
# PhiThetaMassPip



# PhiThetaMassPip



# PhiThetaMassPip

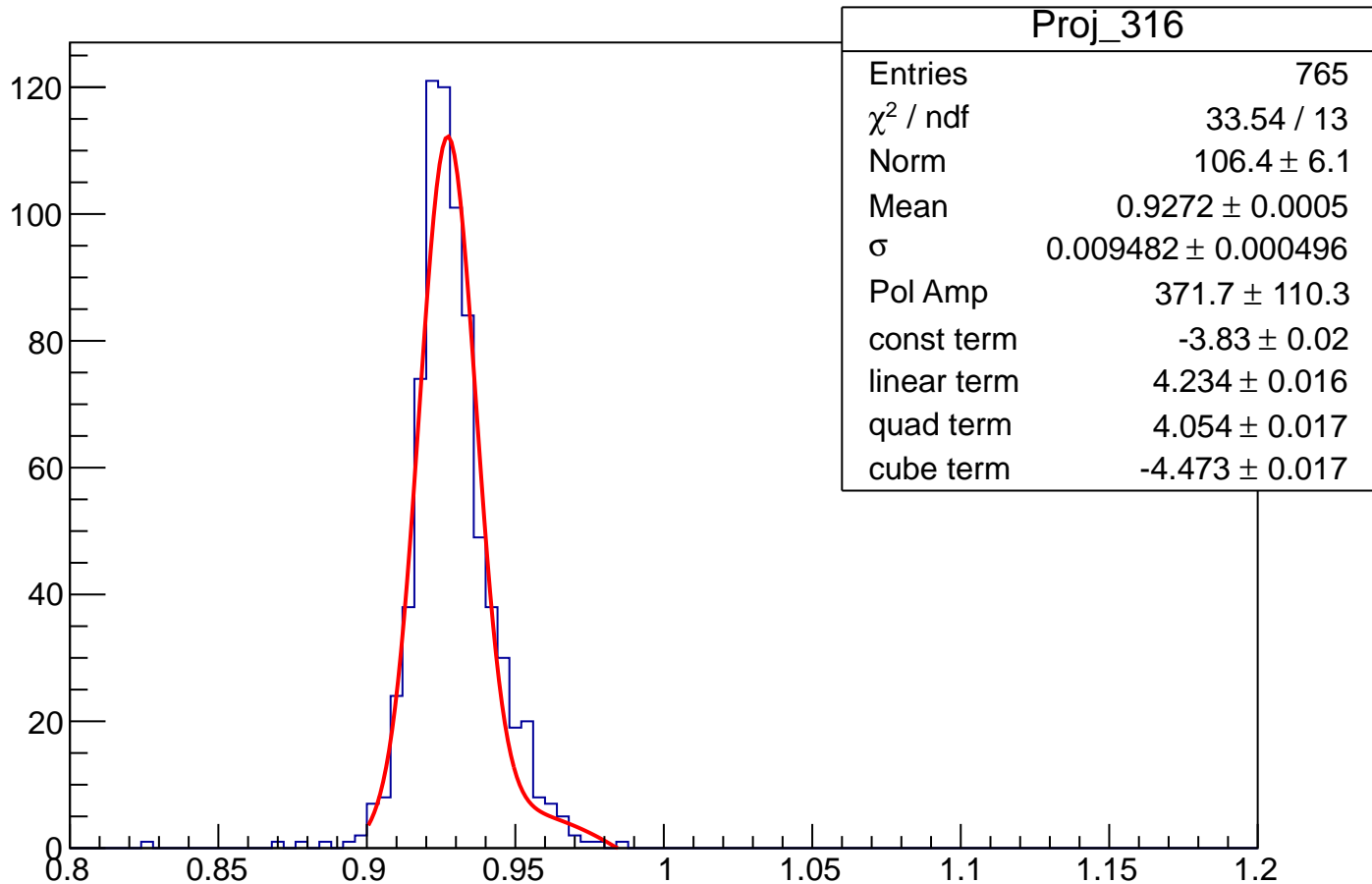


Proj\_315

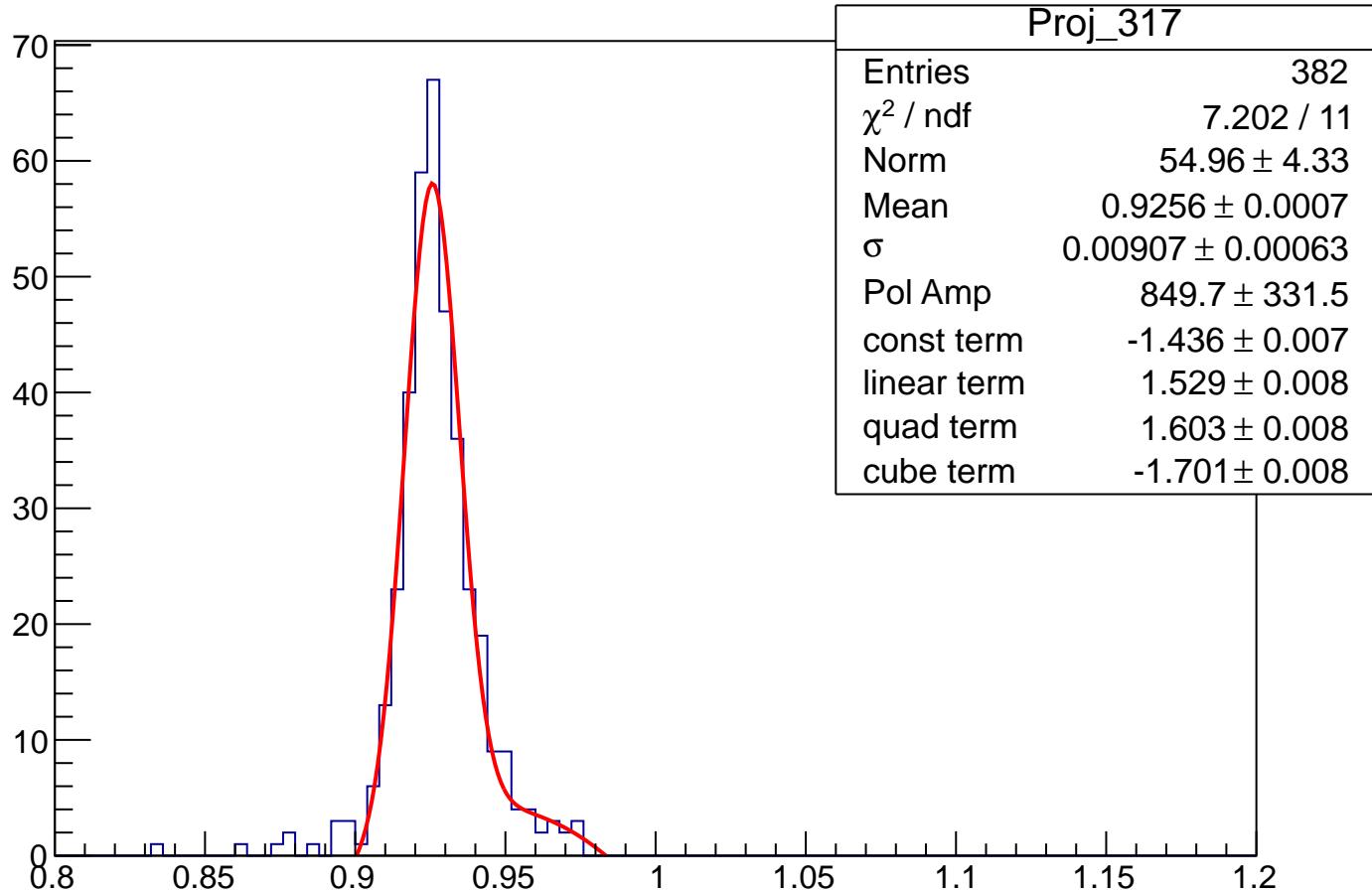
Entries	1041
$\chi^2 / \text{ndf}$	31.07 / 12
Norm	$140.7 \pm 7.0$
Mean	$0.9293 \pm 0.0005$
$\sigma$	$0.009188 \pm 0.000501$
Pol Amp	$372.5 \pm 1.6$
const term	$-11.87 \pm 2.62$
linear term	$12.91 \pm 2.85$
quad term	$12.96 \pm 2.86$
cube term	$-14.06 \pm 3.11$



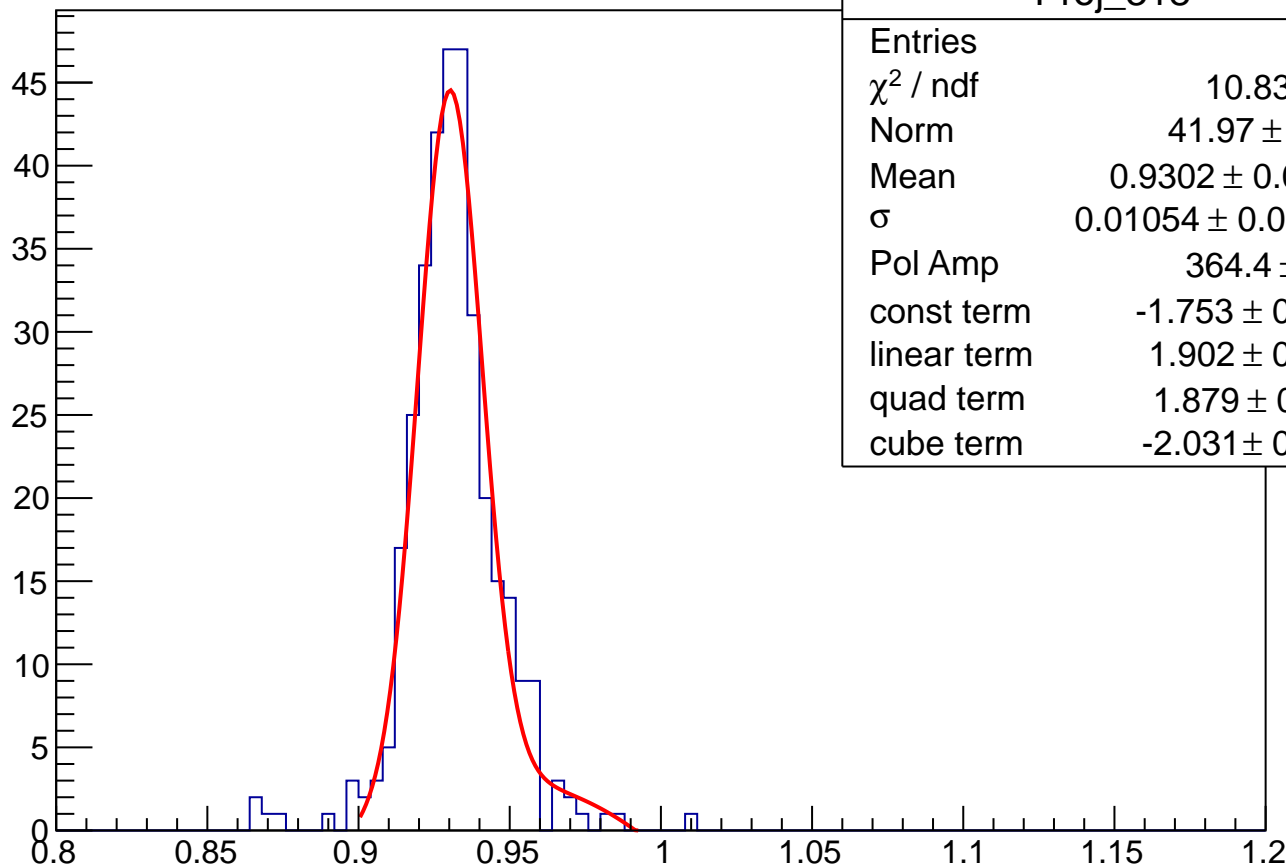
# PhiThetaMassPip



# PhiThetaMassPip



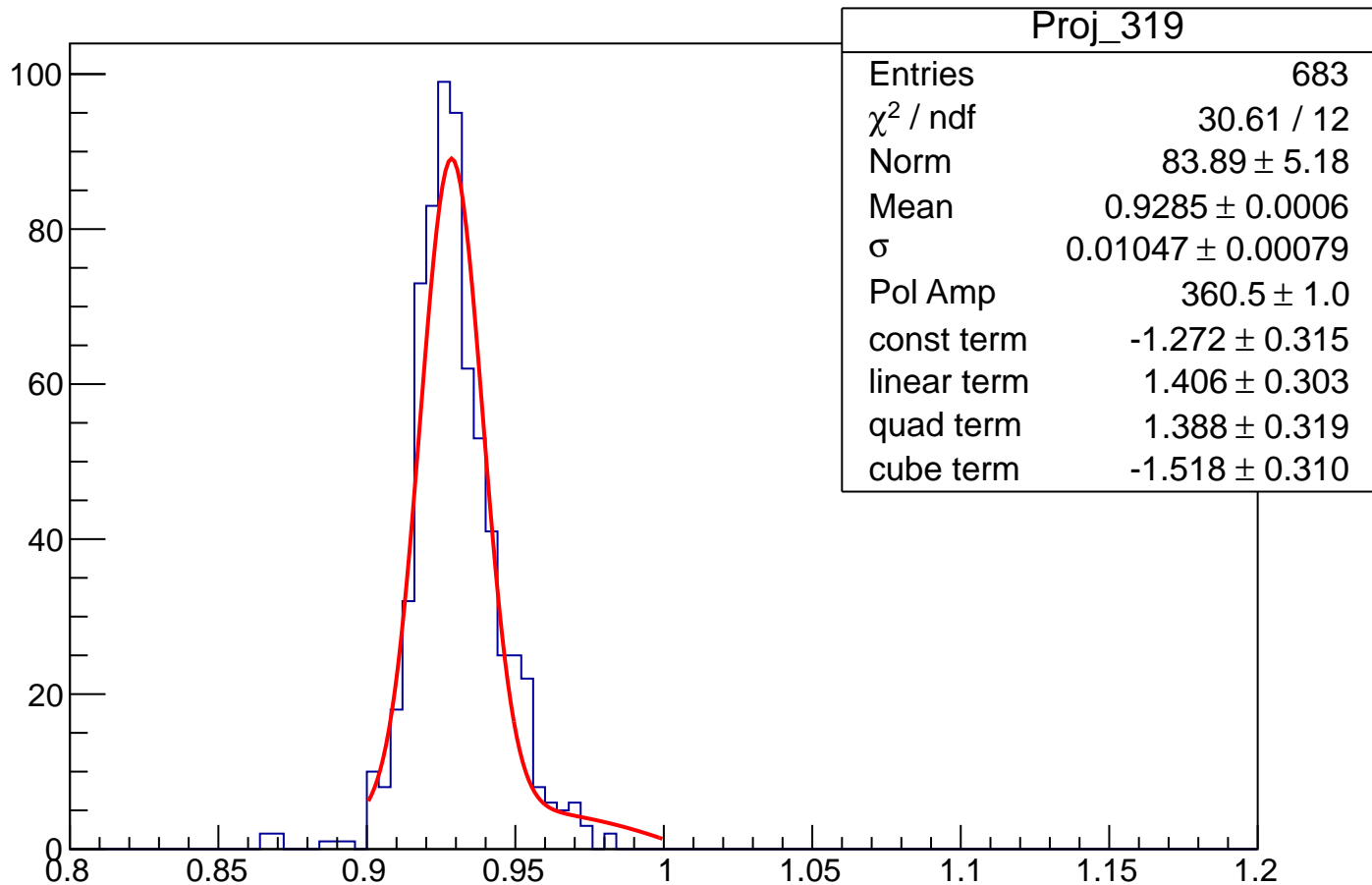
# PhiThetaMassPip



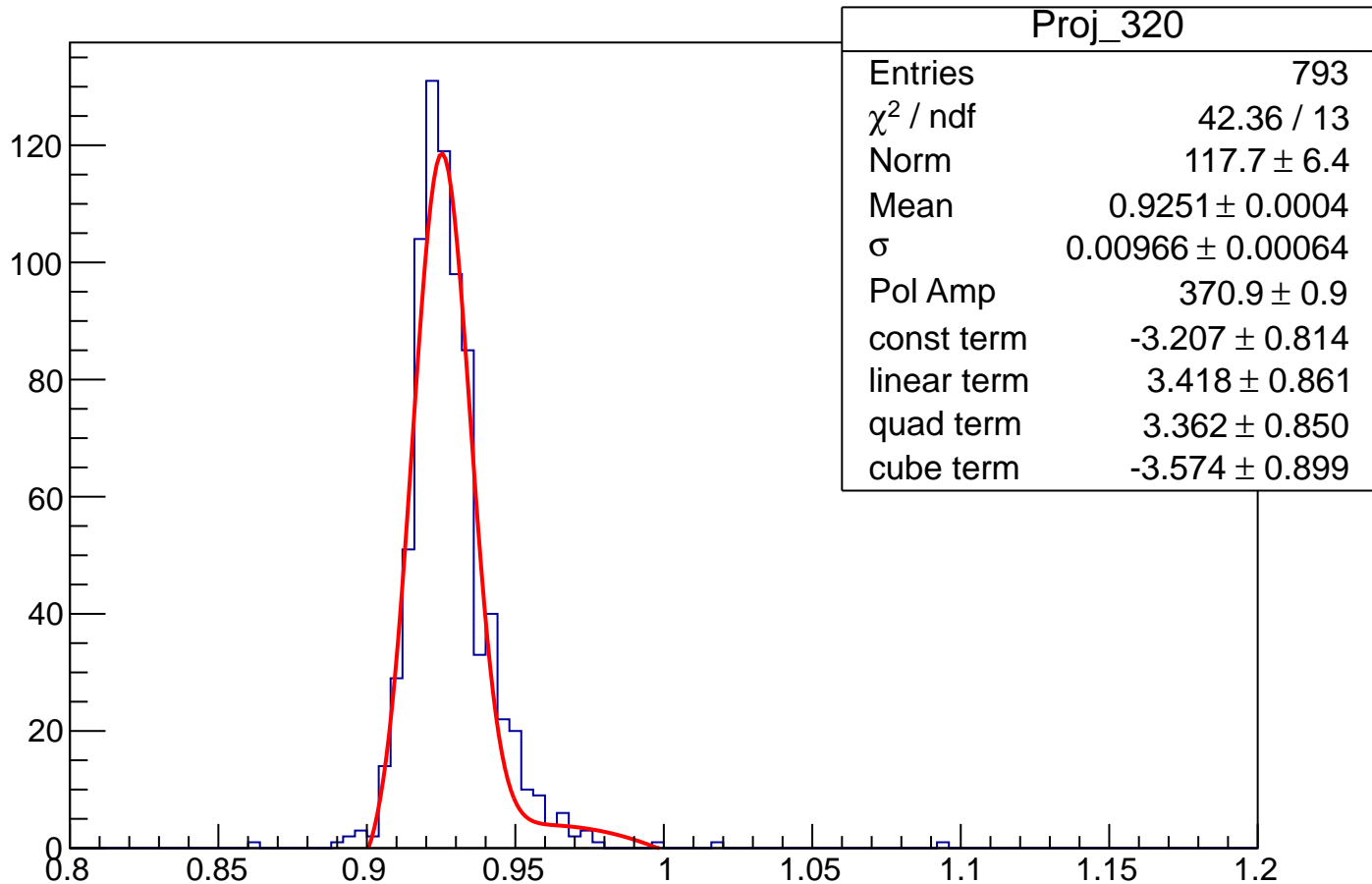
Proj\_318

Entries	337
$\chi^2 / \text{ndf}$	10.83 / 12
Norm	$41.97 \pm 3.52$
Mean	$0.9302 \pm 0.0007$
$\sigma$	$0.01054 \pm 0.00081$
Pol Amp	$364.4 \pm 0.9$
const term	$-1.753 \pm 0.418$
linear term	$1.902 \pm 0.440$
quad term	$1.879 \pm 0.441$
cube term	$-2.031 \pm 0.465$

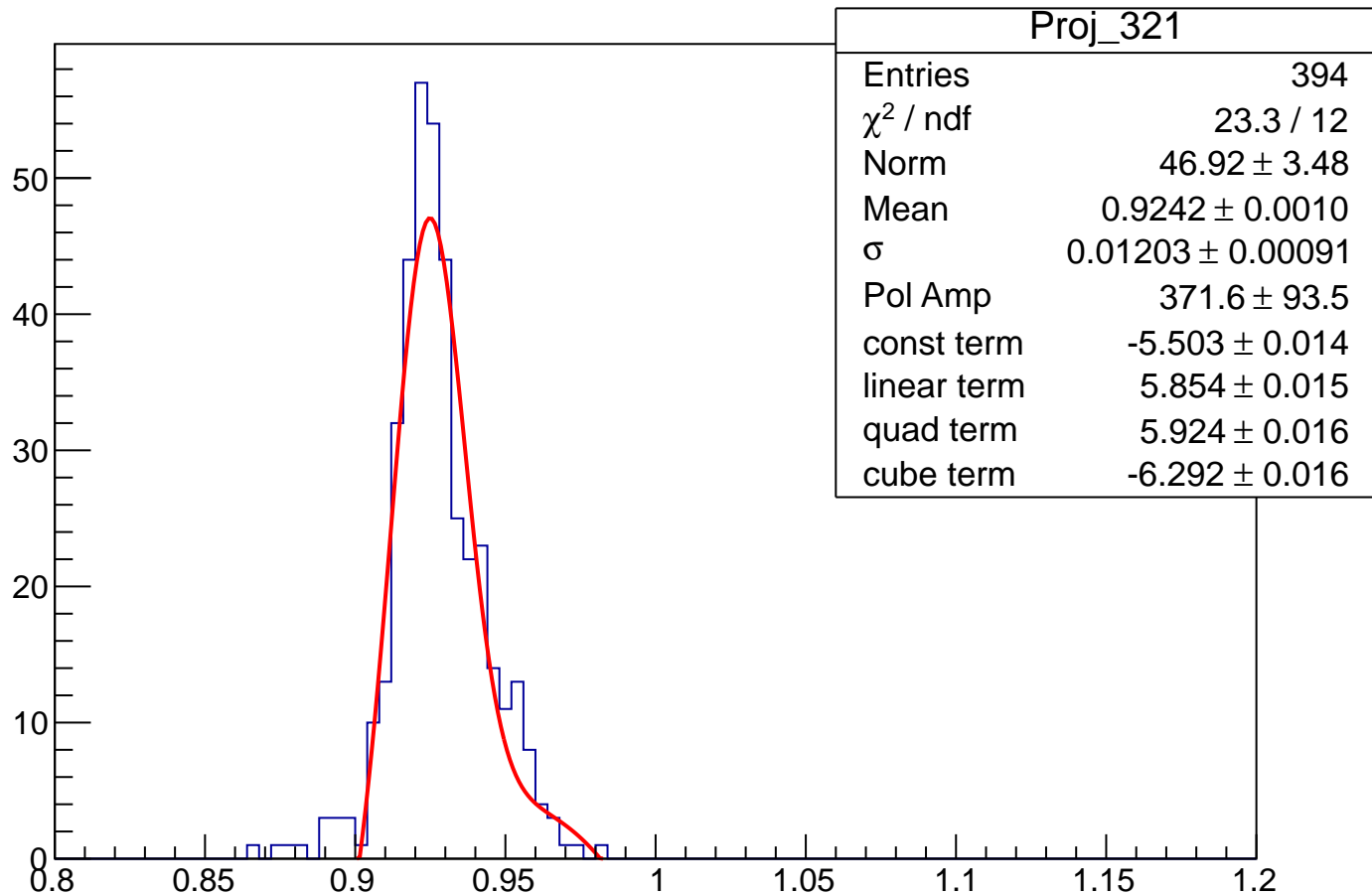
# PhiThetaMassPip



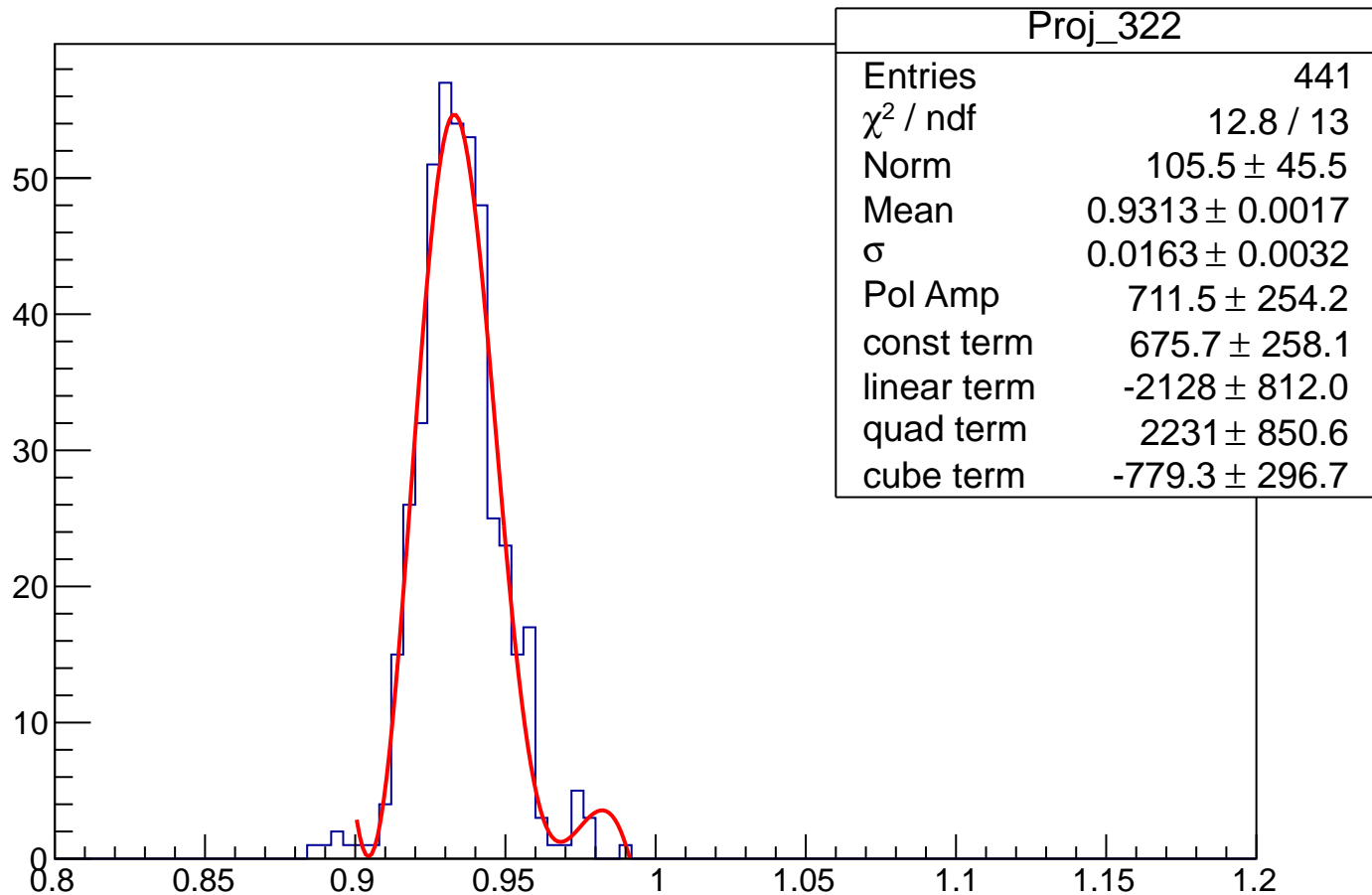
# PhiThetaMassPip



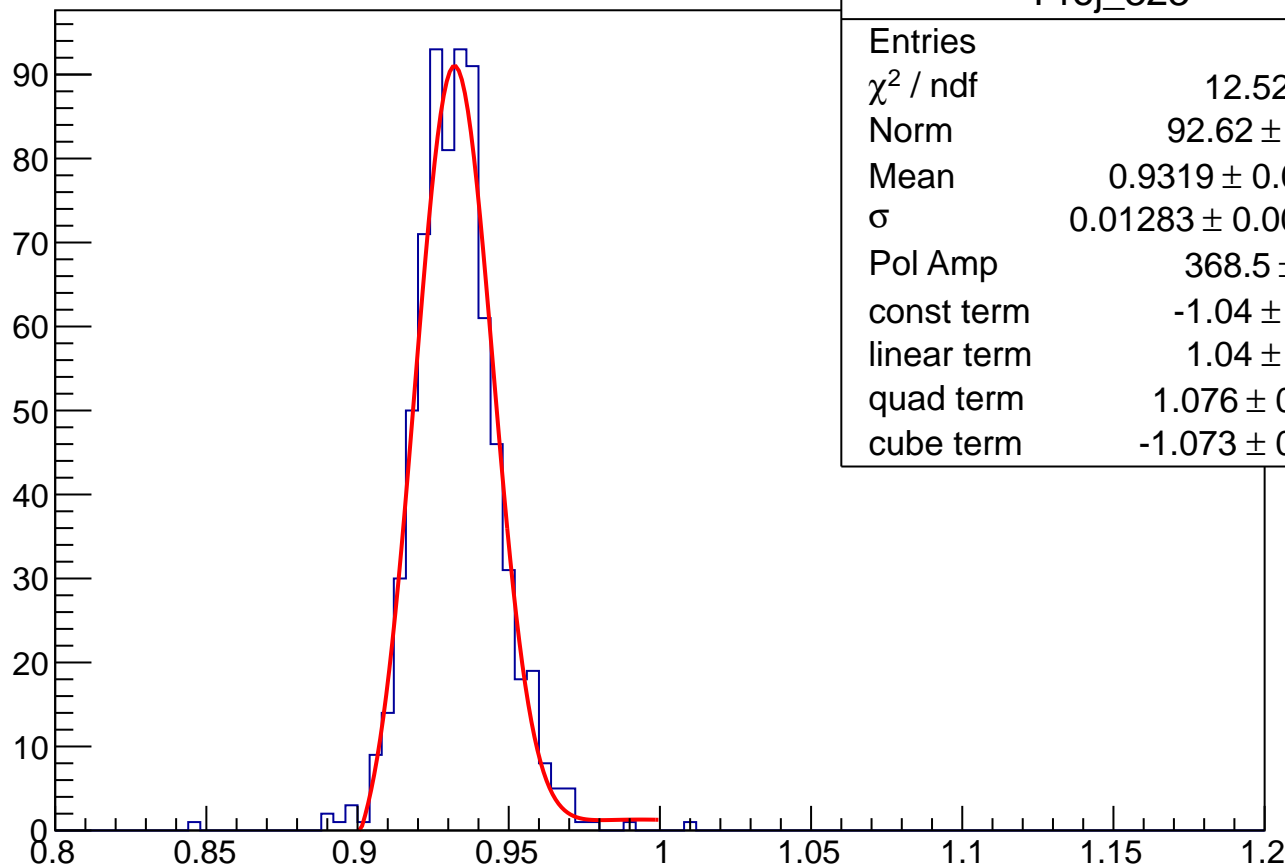
# PhiThetaMassPip



# PhiThetaMassPip



# PhiThetaMassPip

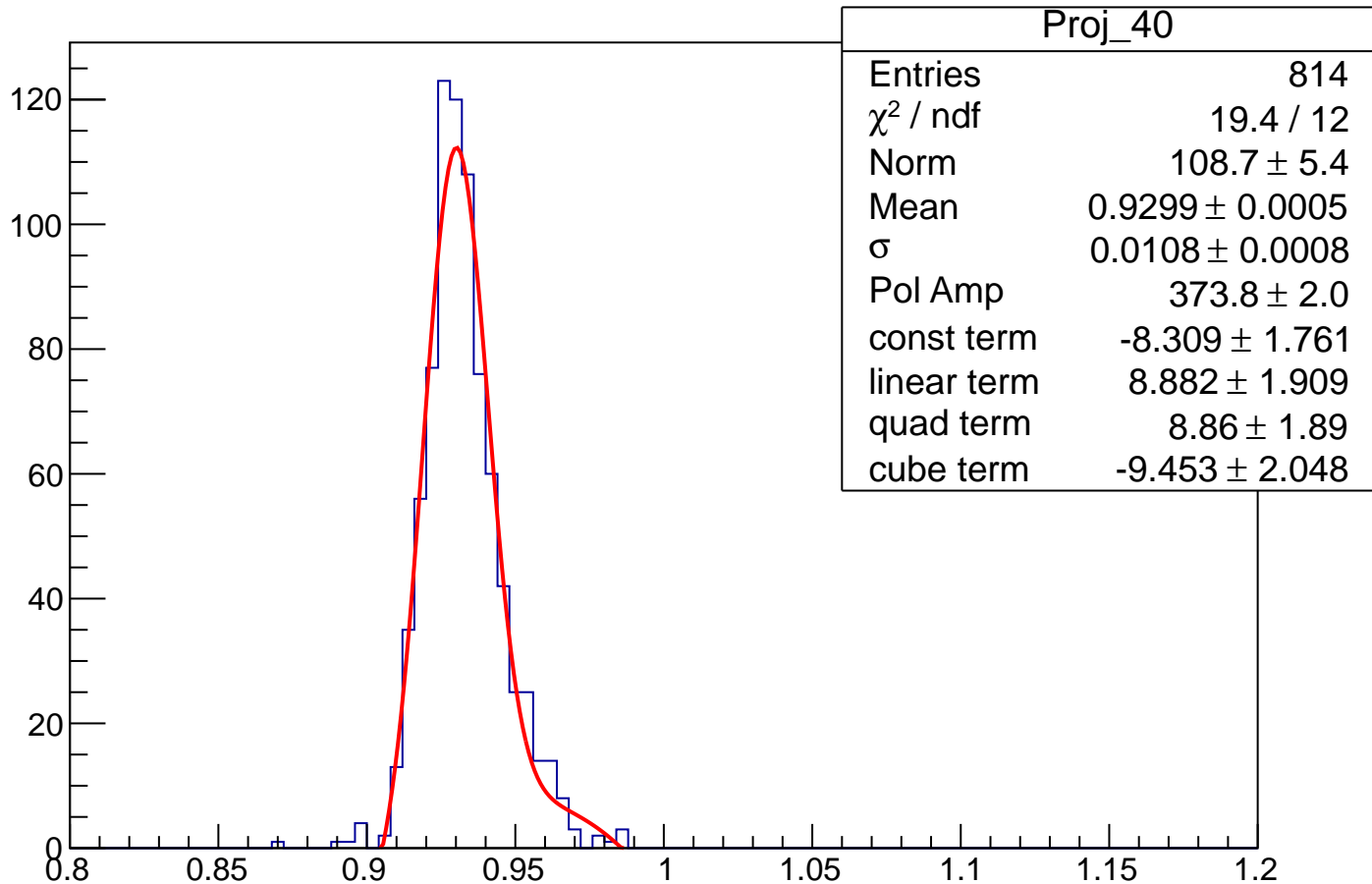


Proj\_323

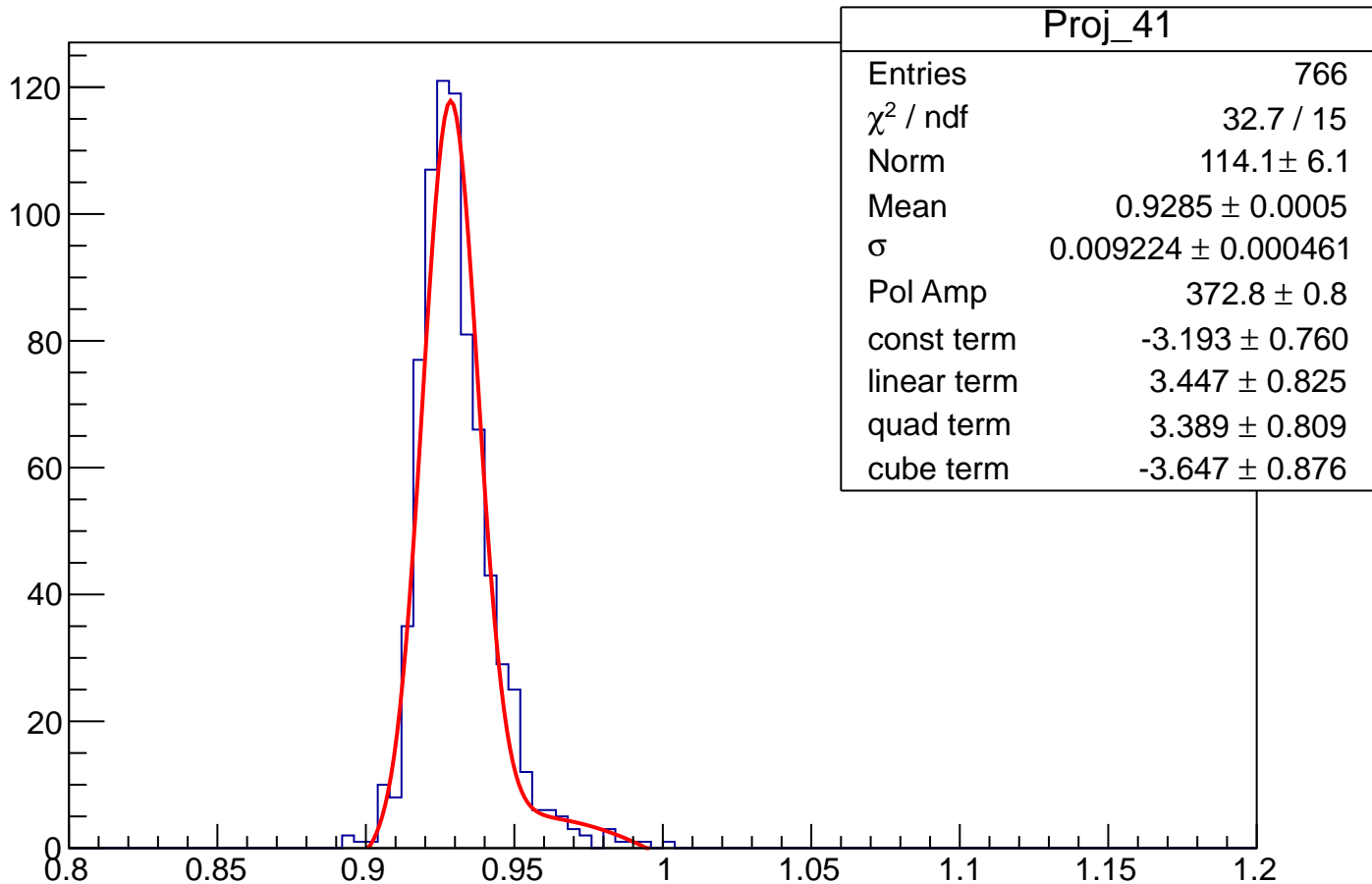
Entries	737
$\chi^2 / \text{ndf}$	12.52 / 13
Norm	$92.62 \pm 4.35$
Mean	$0.9319 \pm 0.0005$
$\sigma$	$0.01283 \pm 0.00066$
Pol Amp	$368.5 \pm 0.5$
const term	$-1.04 \pm 0.16$
linear term	$1.04 \pm 0.15$
quad term	$1.076 \pm 0.161$
cube term	$-1.073 \pm 0.151$



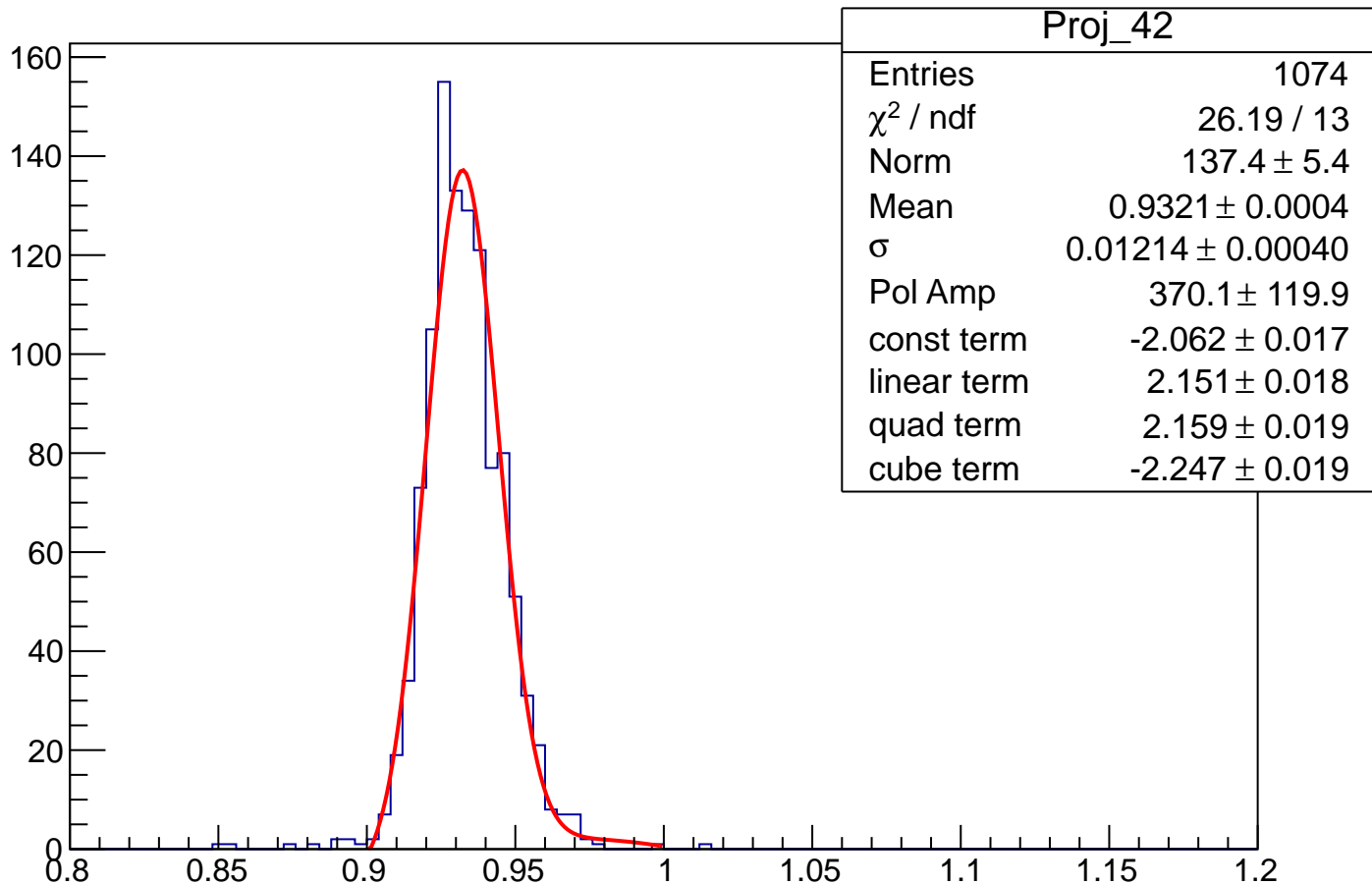
# PhiThetaMassPip



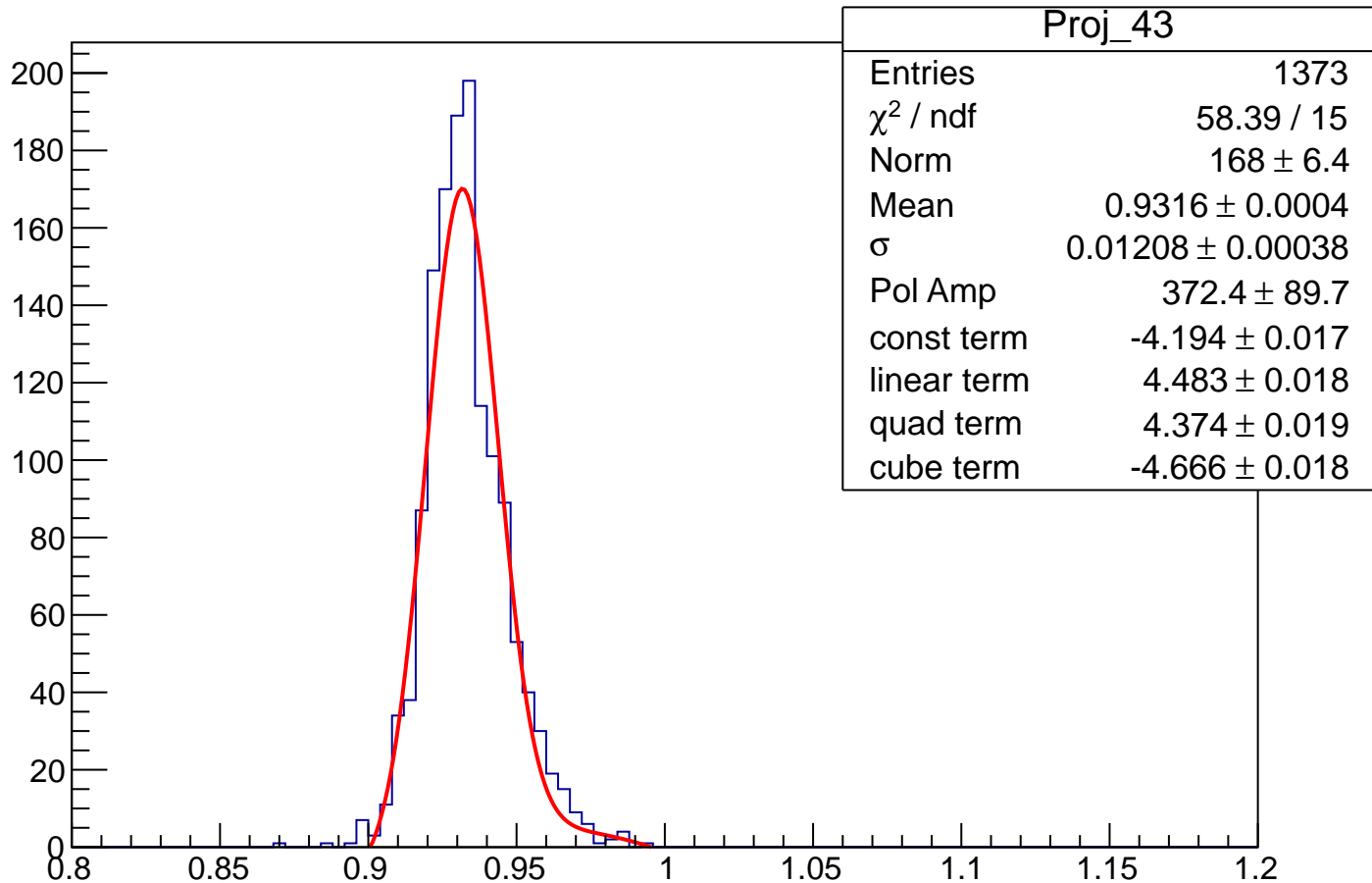
# PhiThetaMassPip



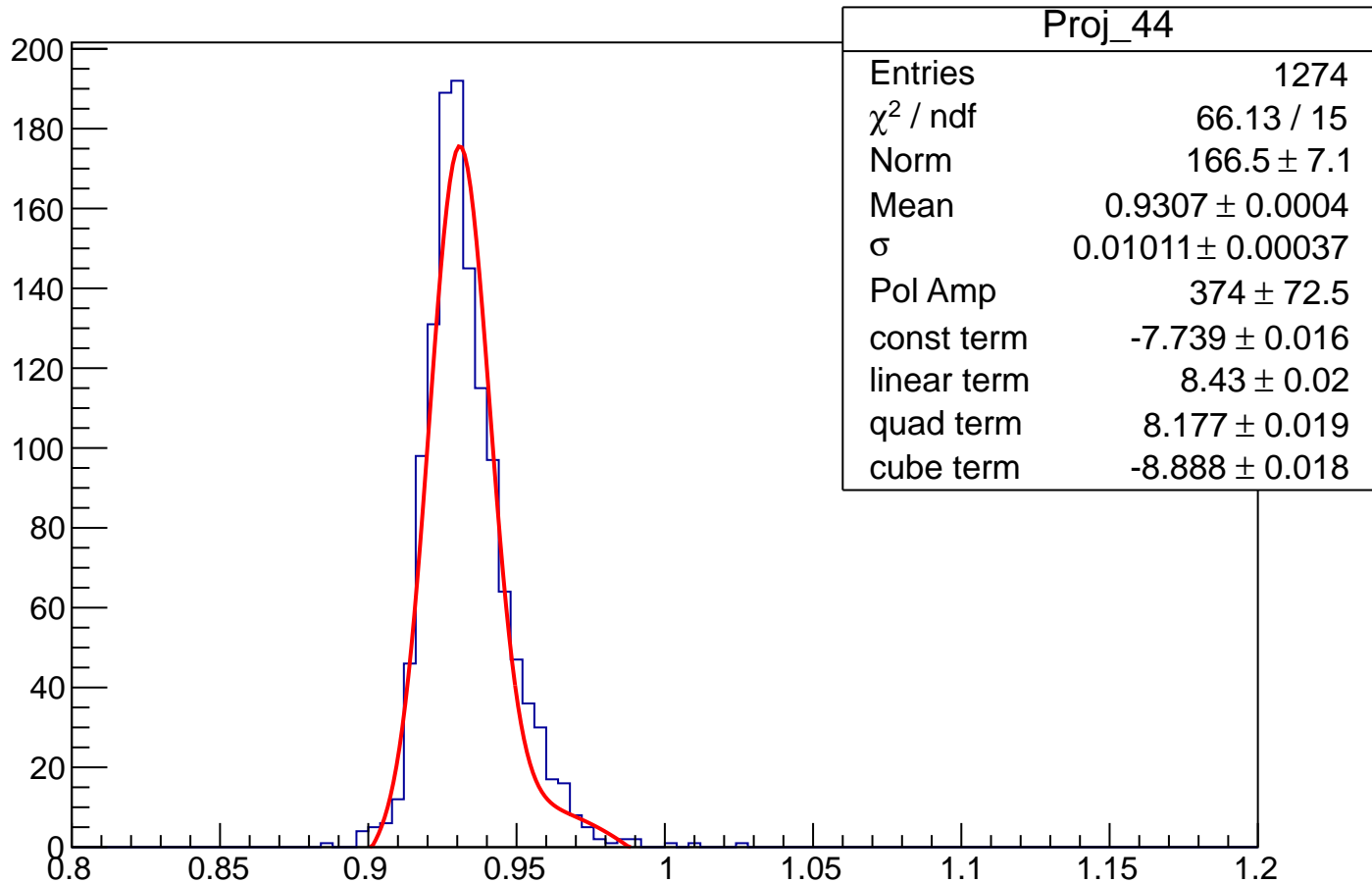
# PhiThetaMassPip



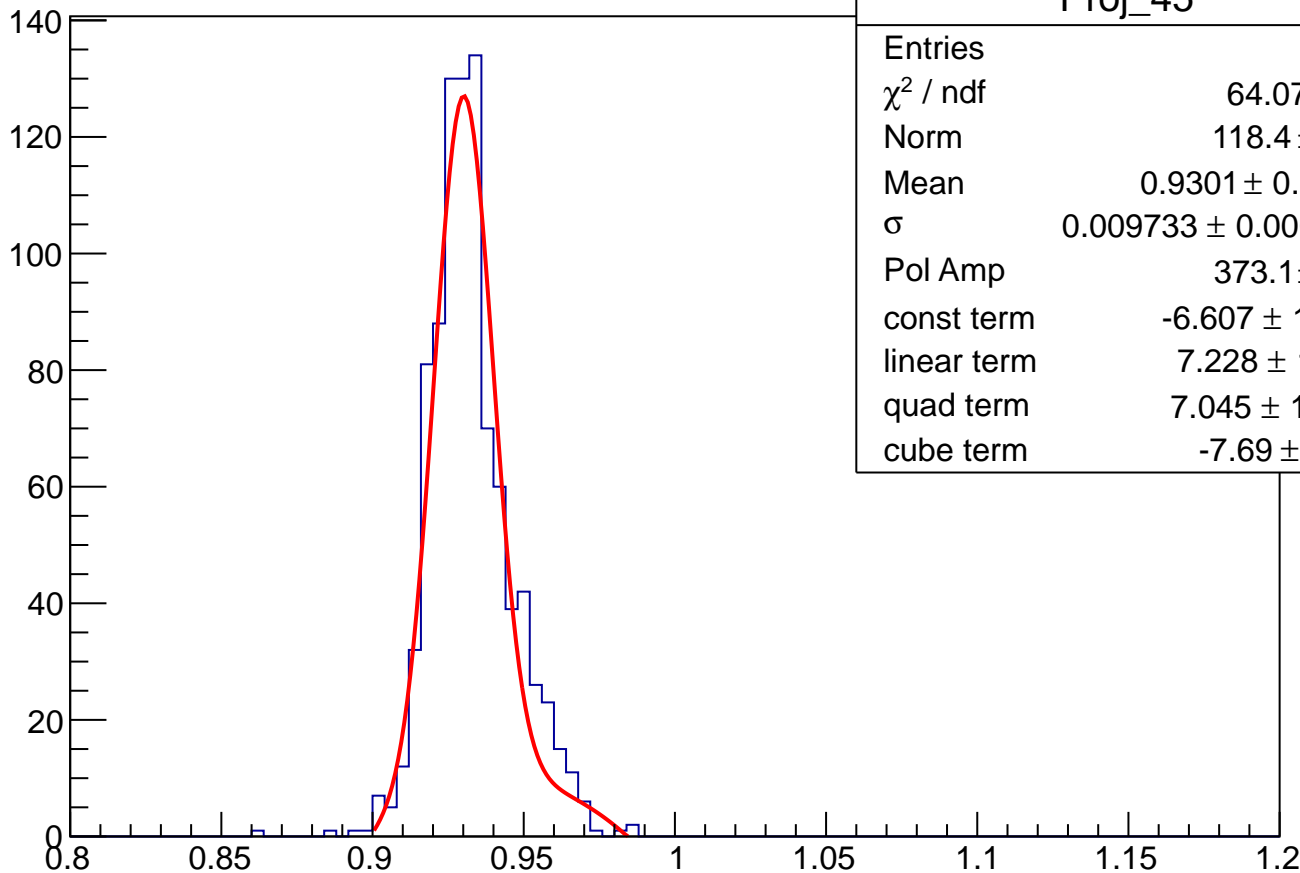
# PhiThetaMassPip



# PhiThetaMassPip



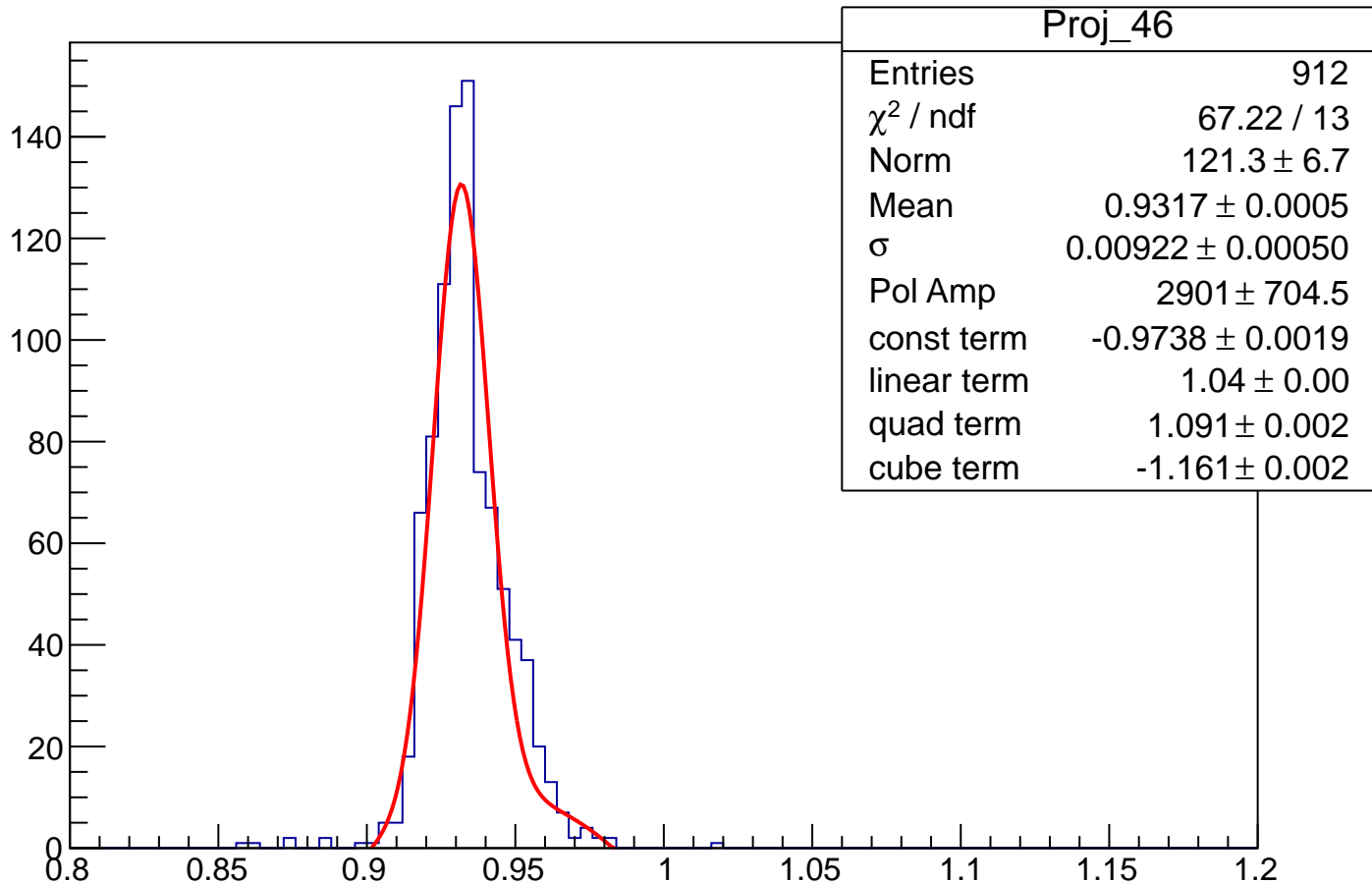
# PhiThetaMassPip



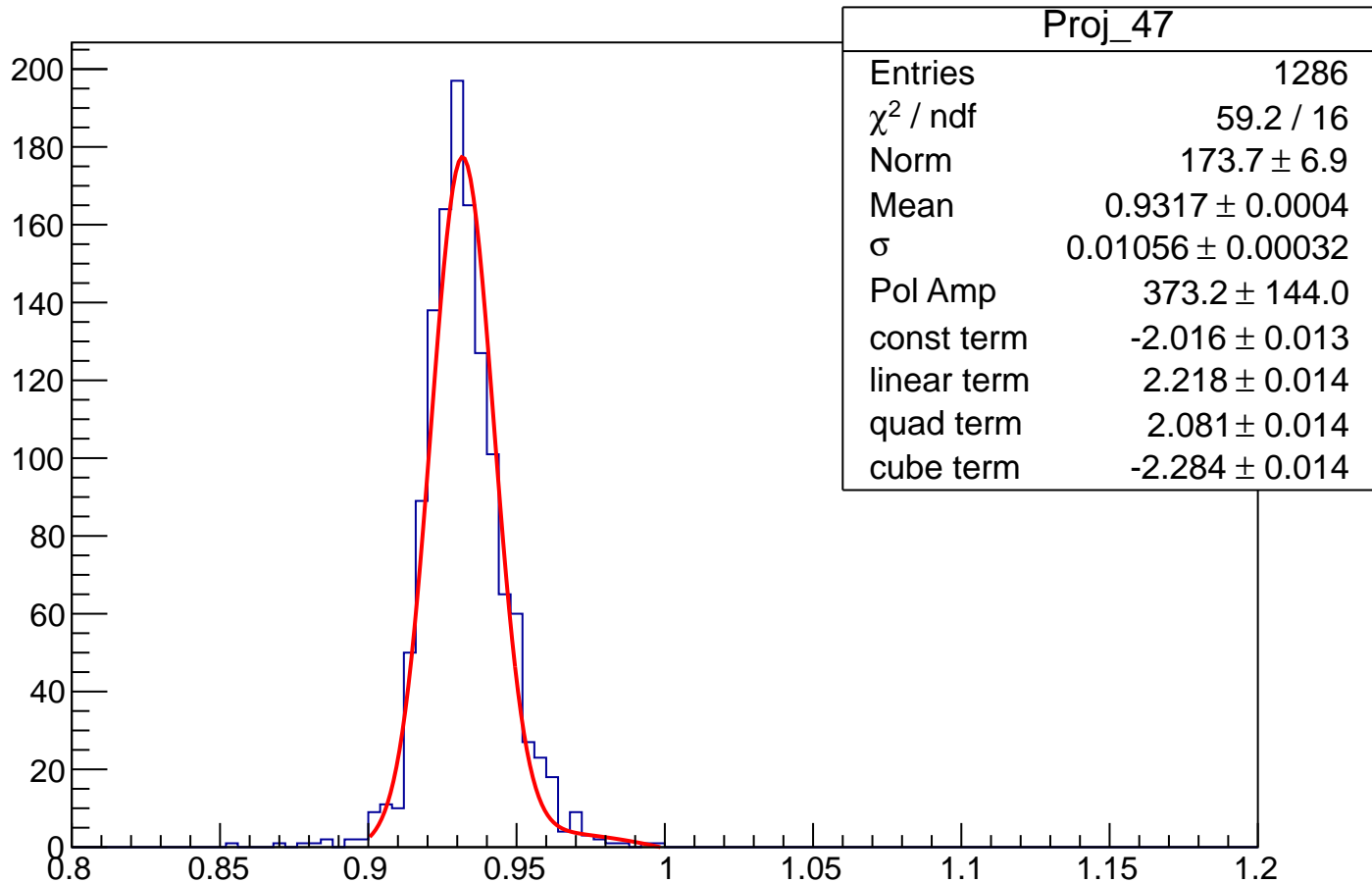
Proj\_45

Entries	919
$\chi^2 / \text{ndf}$	64.07 / 13
Norm	$118.4 \pm 6.5$
Mean	$0.9301 \pm 0.0005$
$\sigma$	$0.009733 \pm 0.000635$
Pol Amp	$373.1 \pm 1.2$
const term	$-6.607 \pm 1.602$
linear term	$7.228 \pm 1.751$
quad term	$7.045 \pm 1.708$
cube term	$-7.69 \pm 1.86$

# PhiThetaMassPip

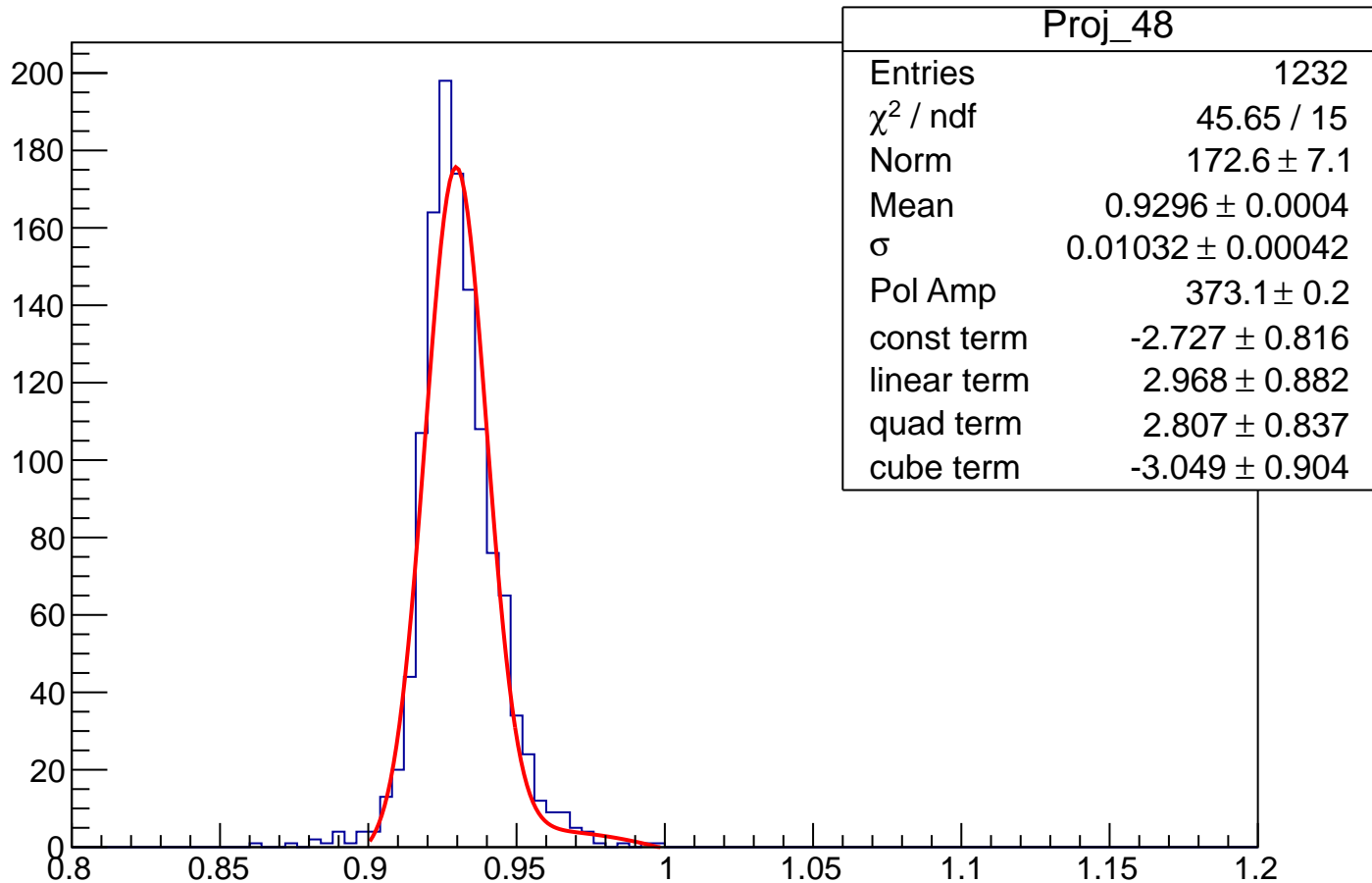


# PhiThetaMassPip

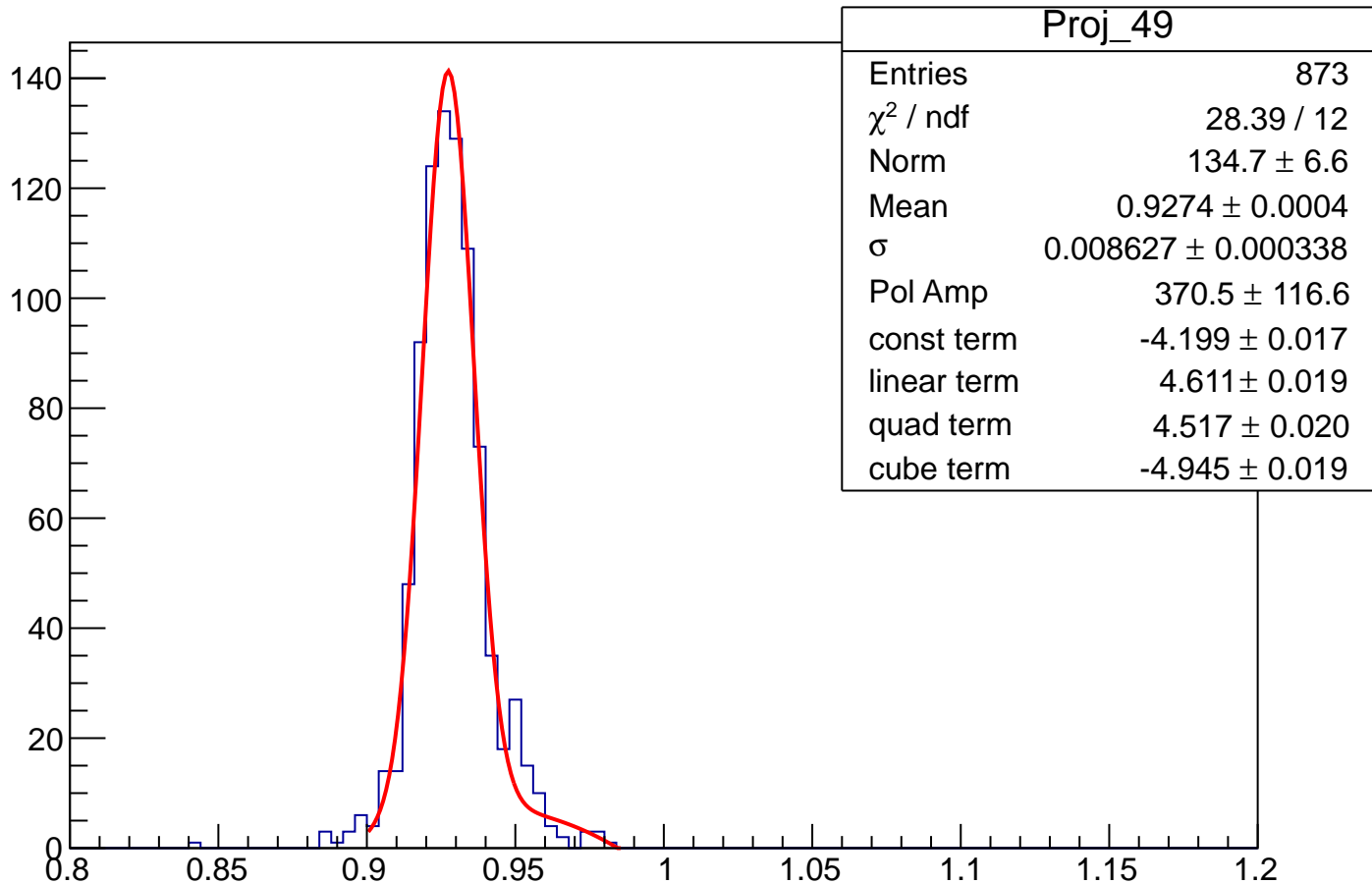




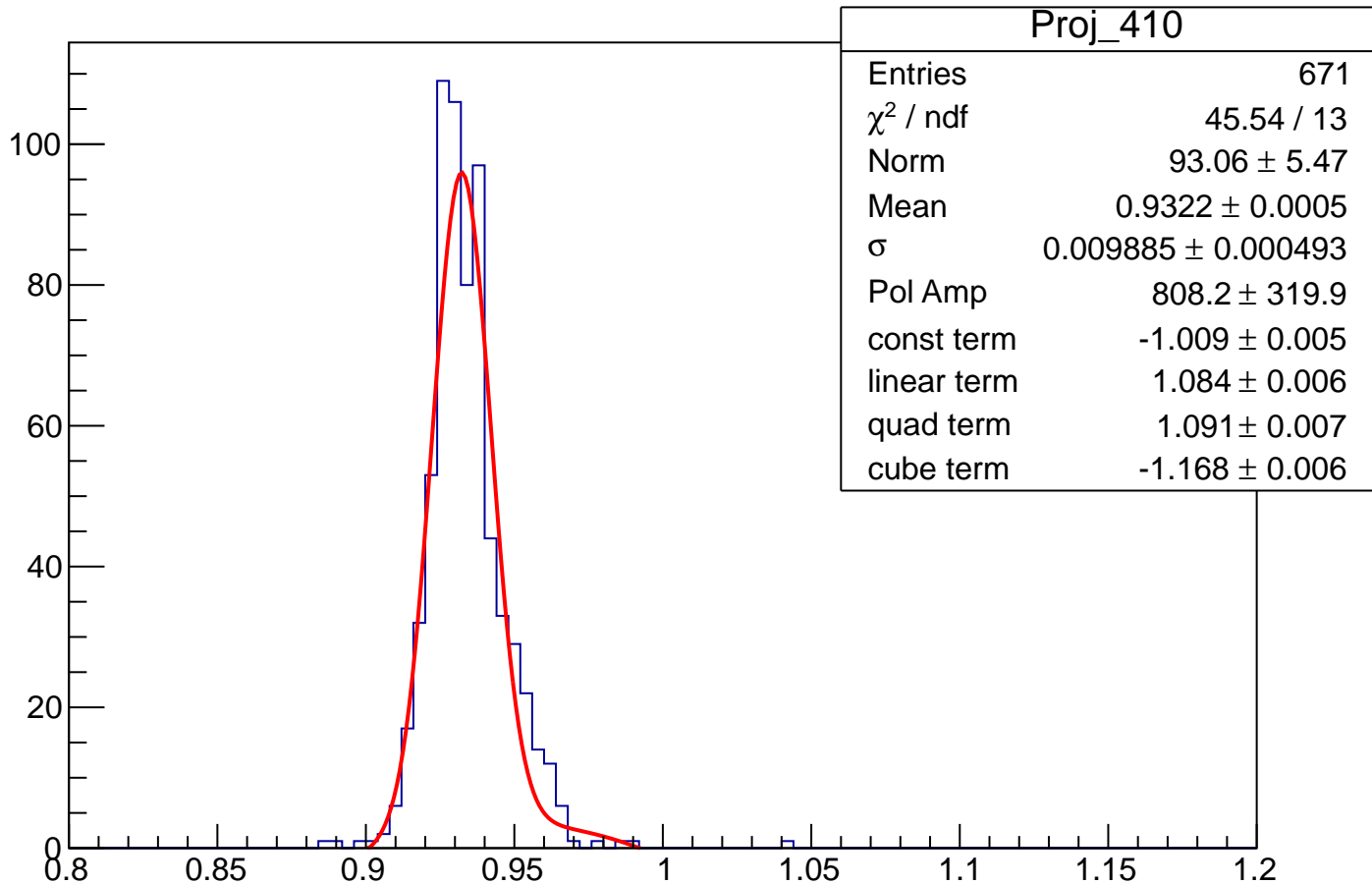
# PhiThetaMassPip



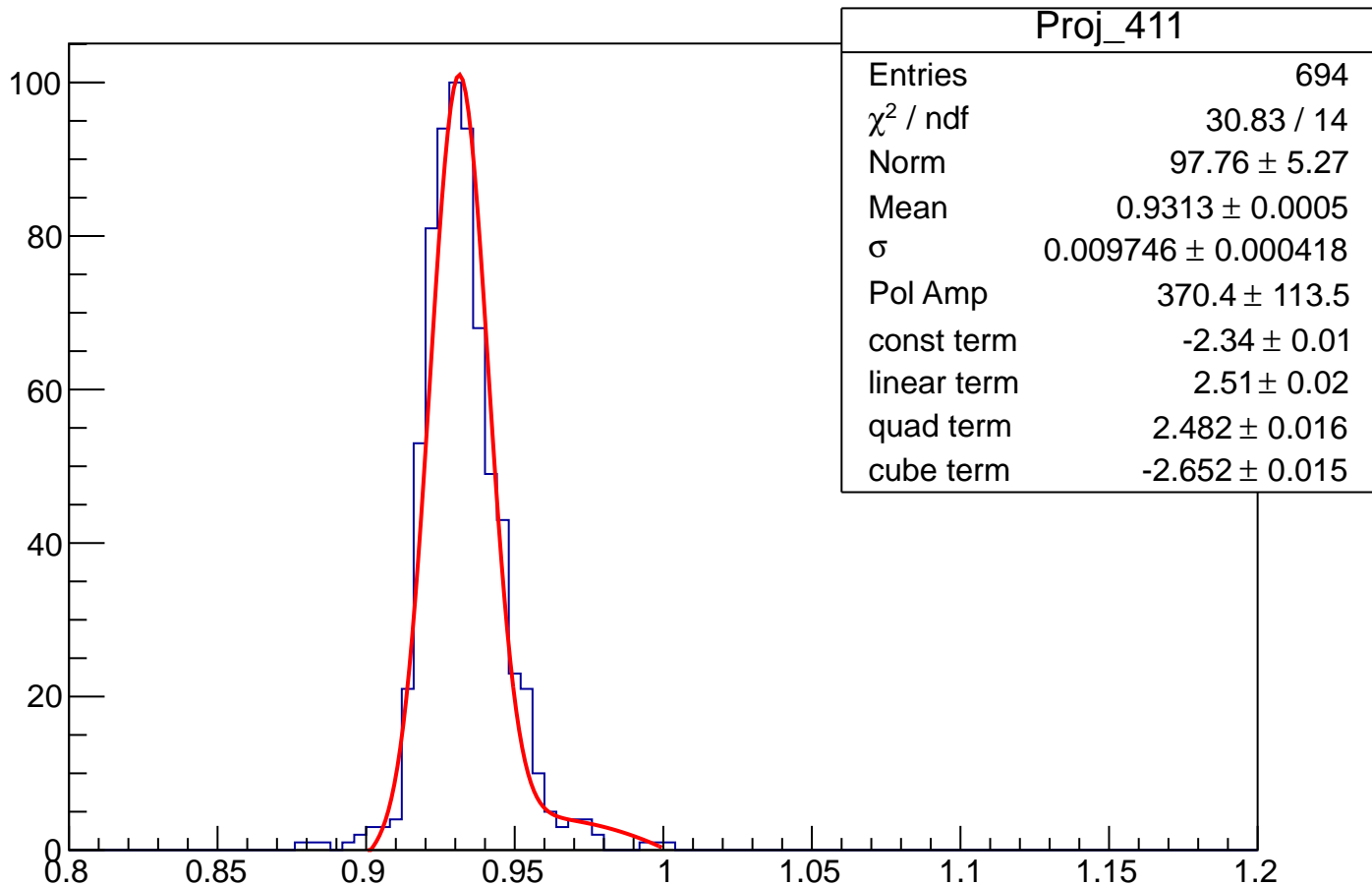
# PhiThetaMassPip



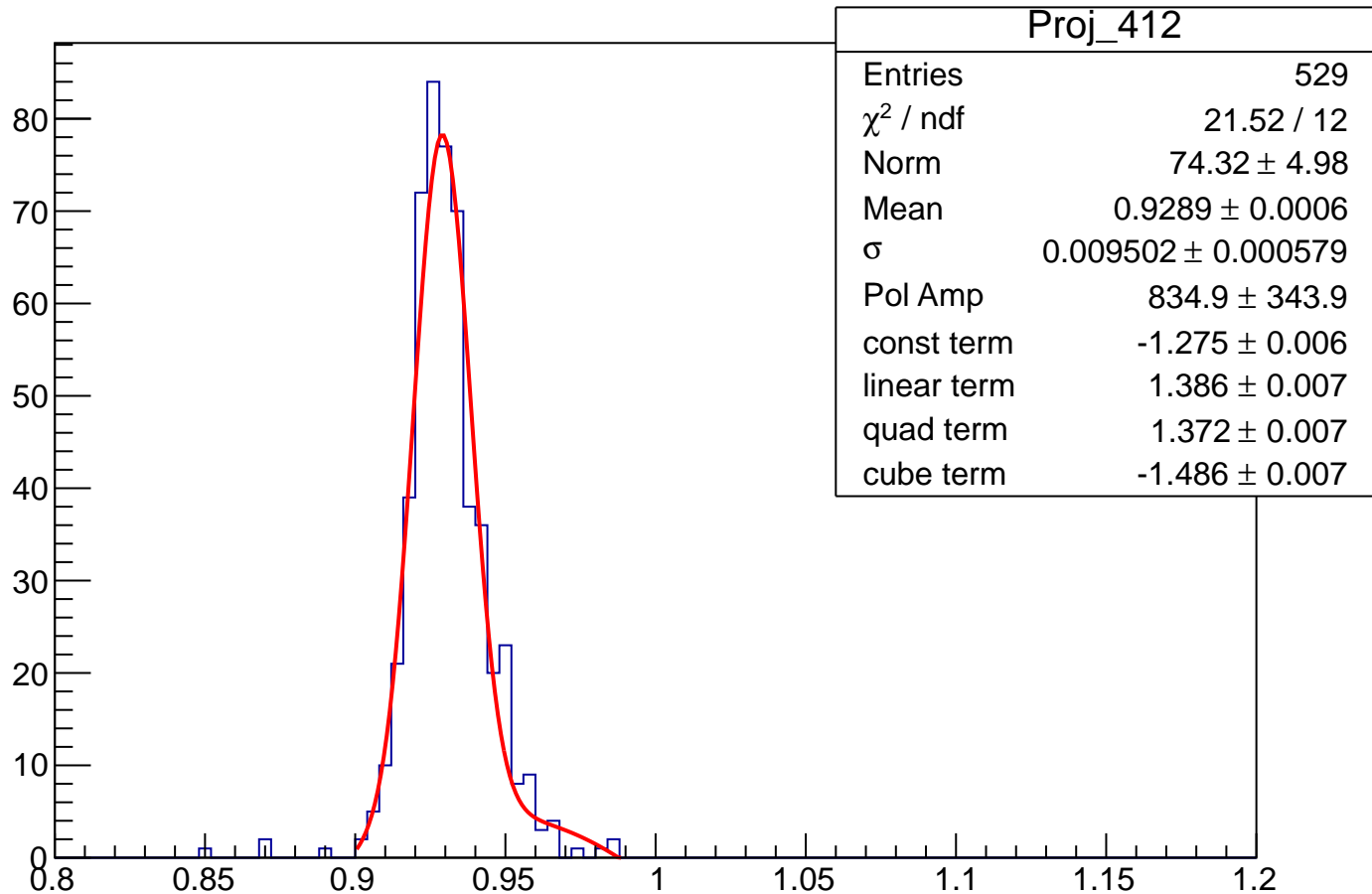
# PhiThetaMassPip



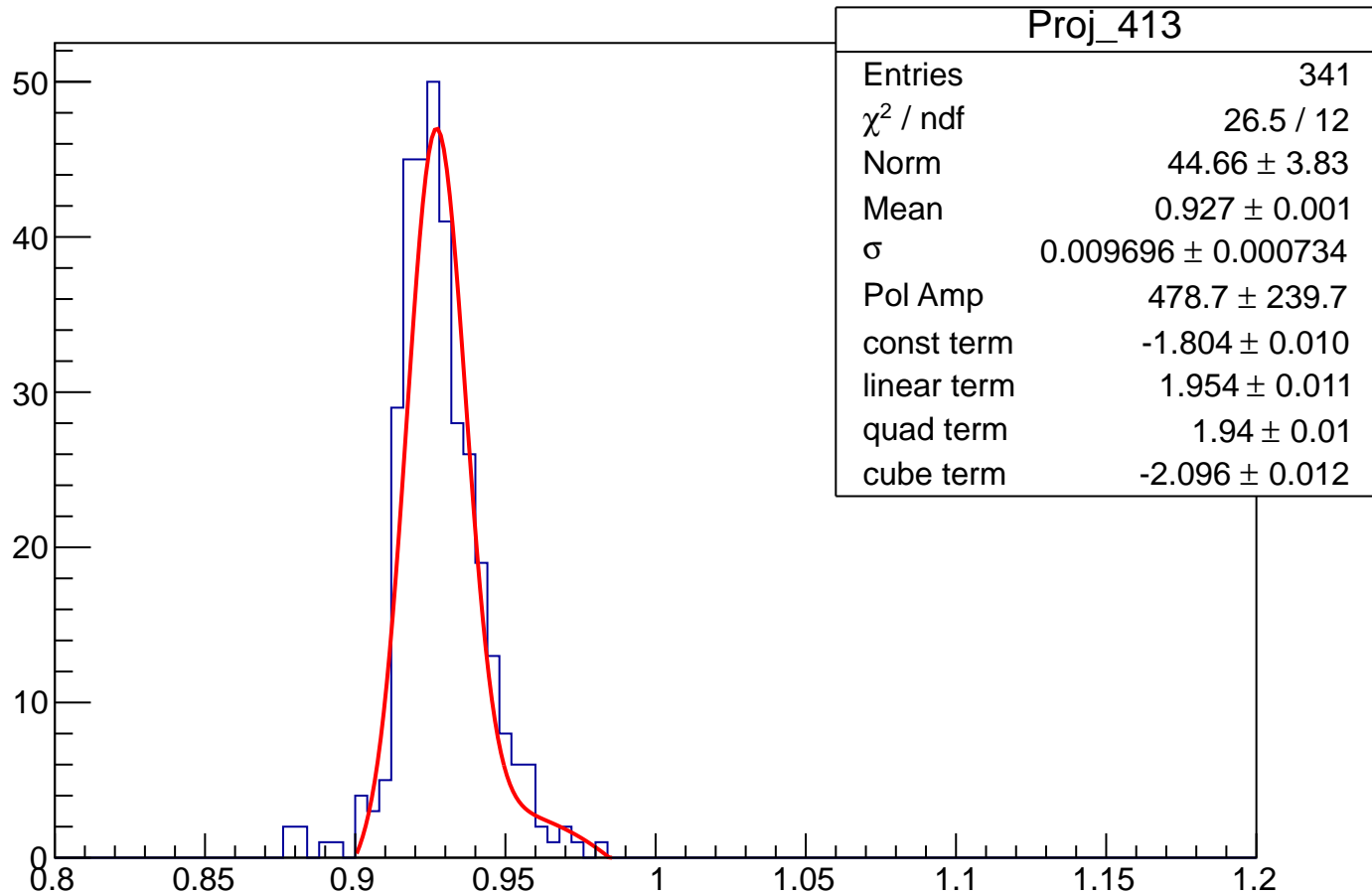
# PhiThetaMassPip



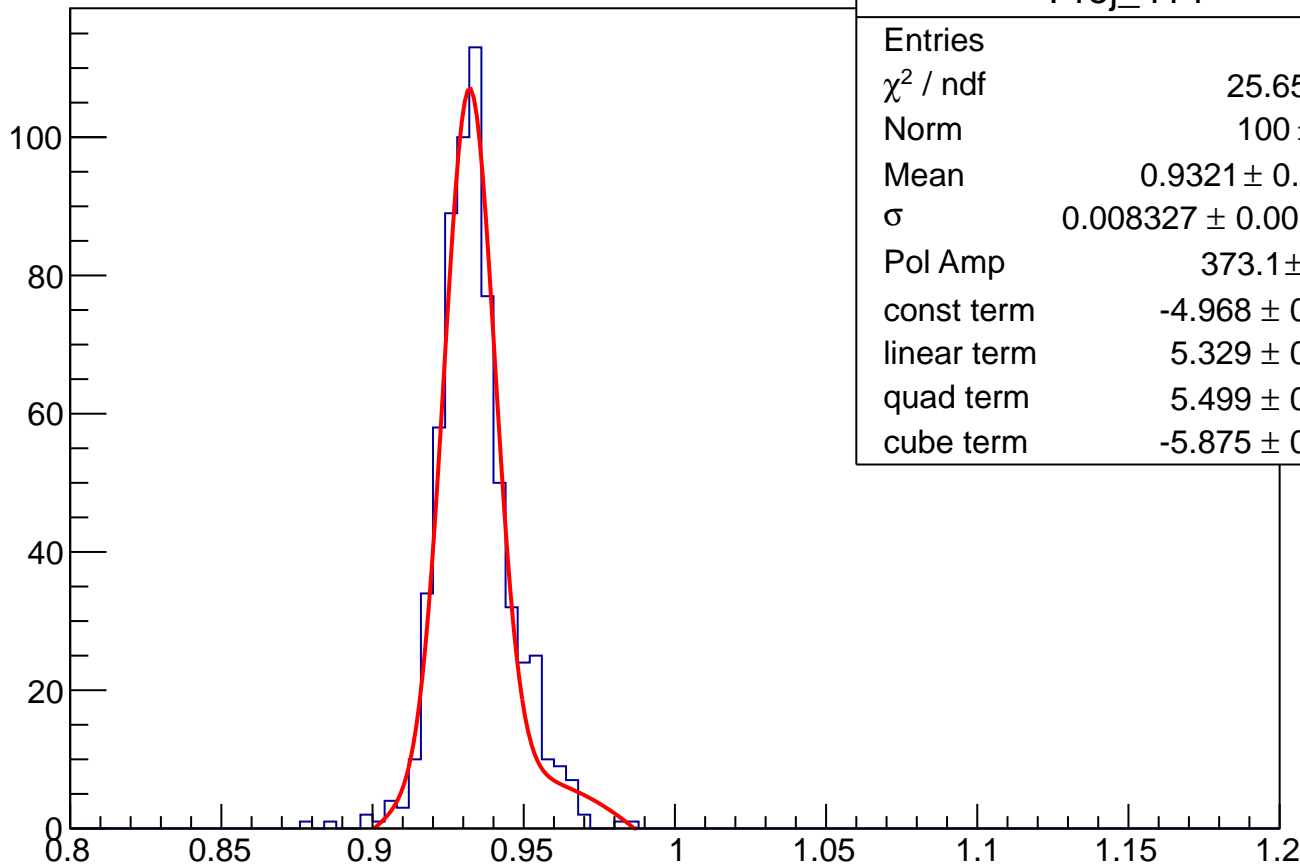
# PhiThetaMassPip



# PhiThetaMassPip



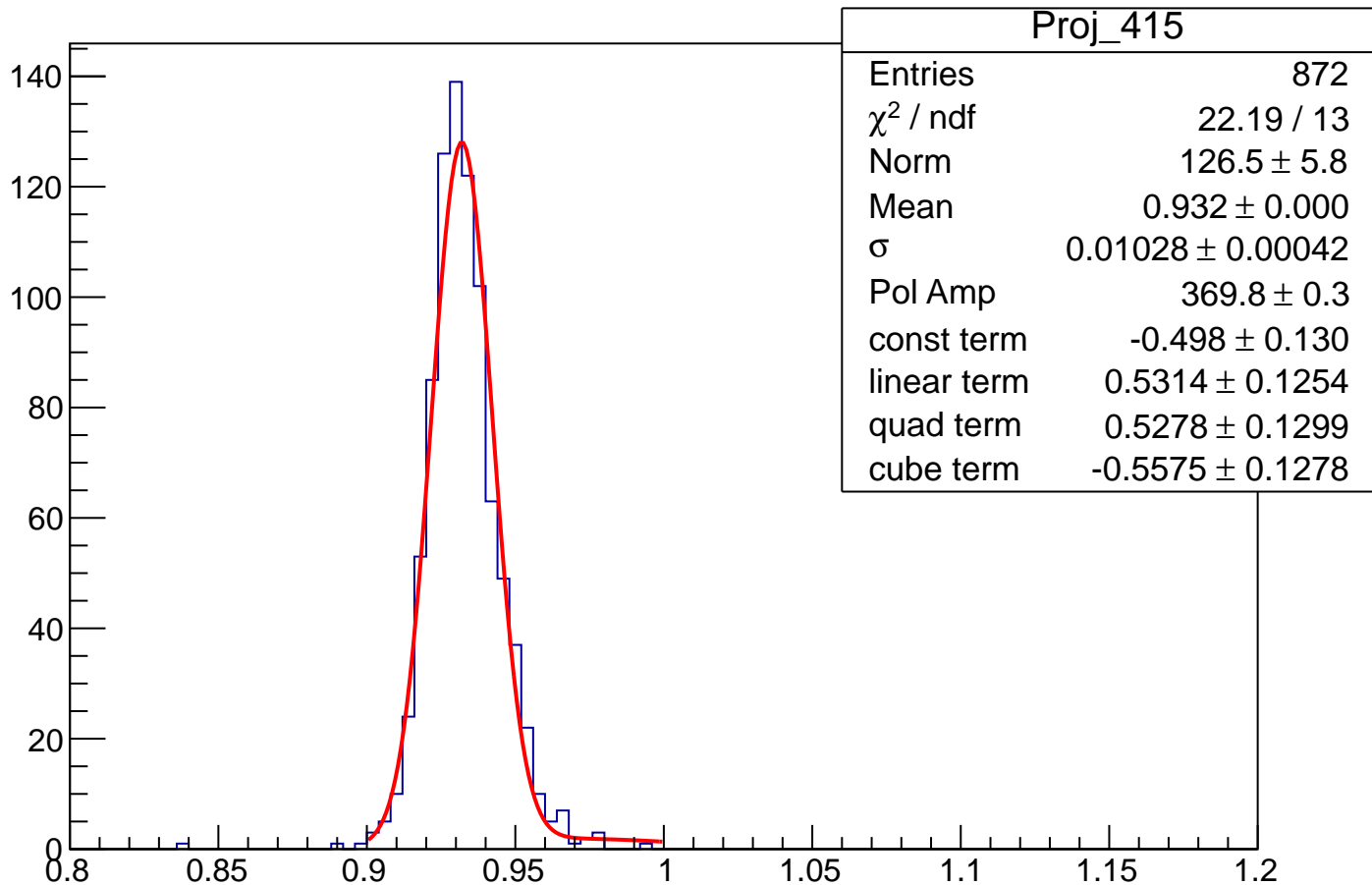
# PhiThetaMassPip



Proj\_414

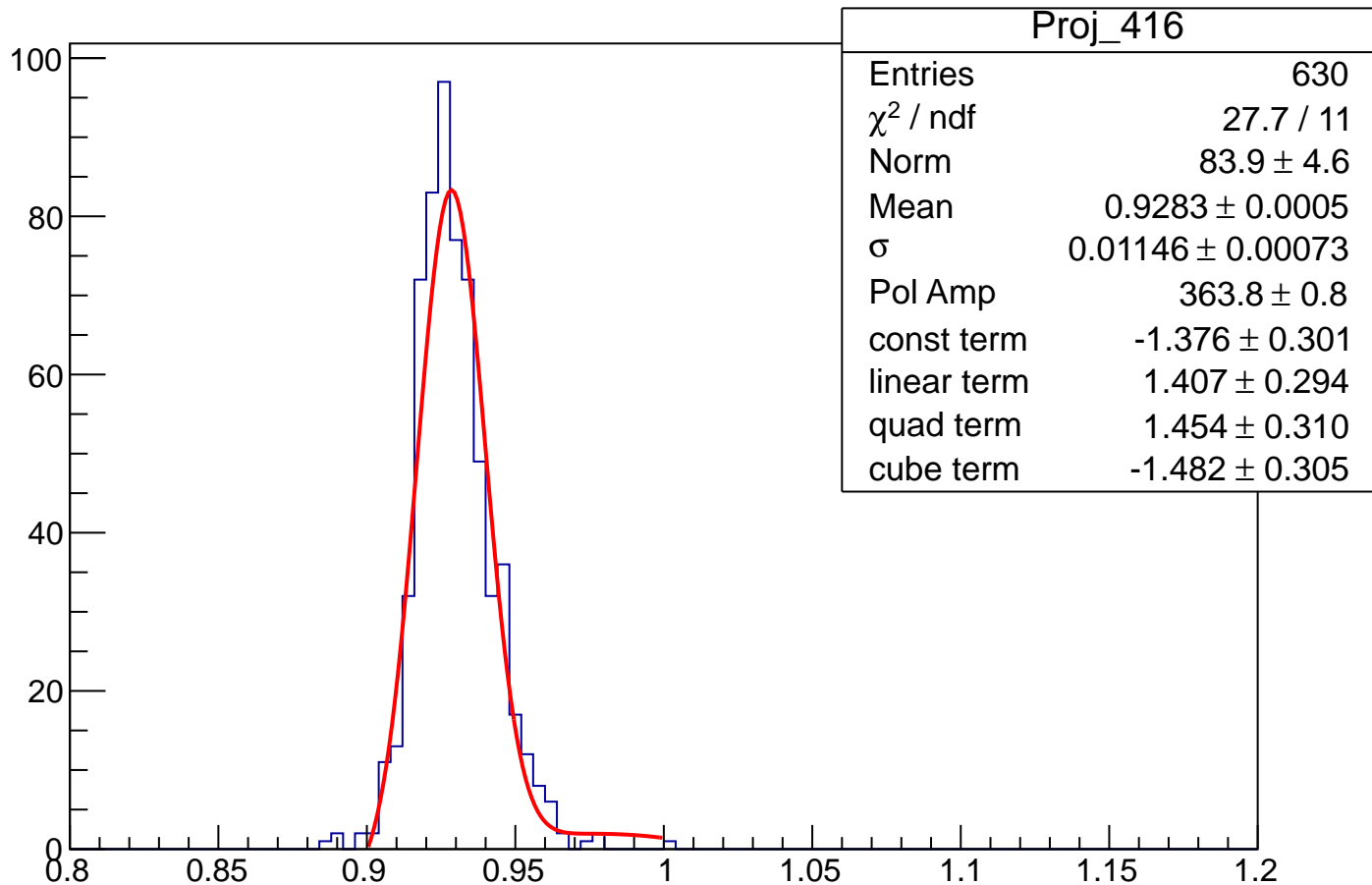
Entries	654
$\chi^2 / \text{ndf}$	25.65 / 12
Norm	$100 \pm 6.0$
Mean	$0.9321 \pm 0.0005$
$\sigma$	$0.008327 \pm 0.000429$
Pol Amp	$373.1 \pm 95.1$
const term	$-4.968 \pm 0.013$
linear term	$5.329 \pm 0.016$
quad term	$5.499 \pm 0.016$
cube term	$-5.875 \pm 0.015$

# PhiThetaMassPip

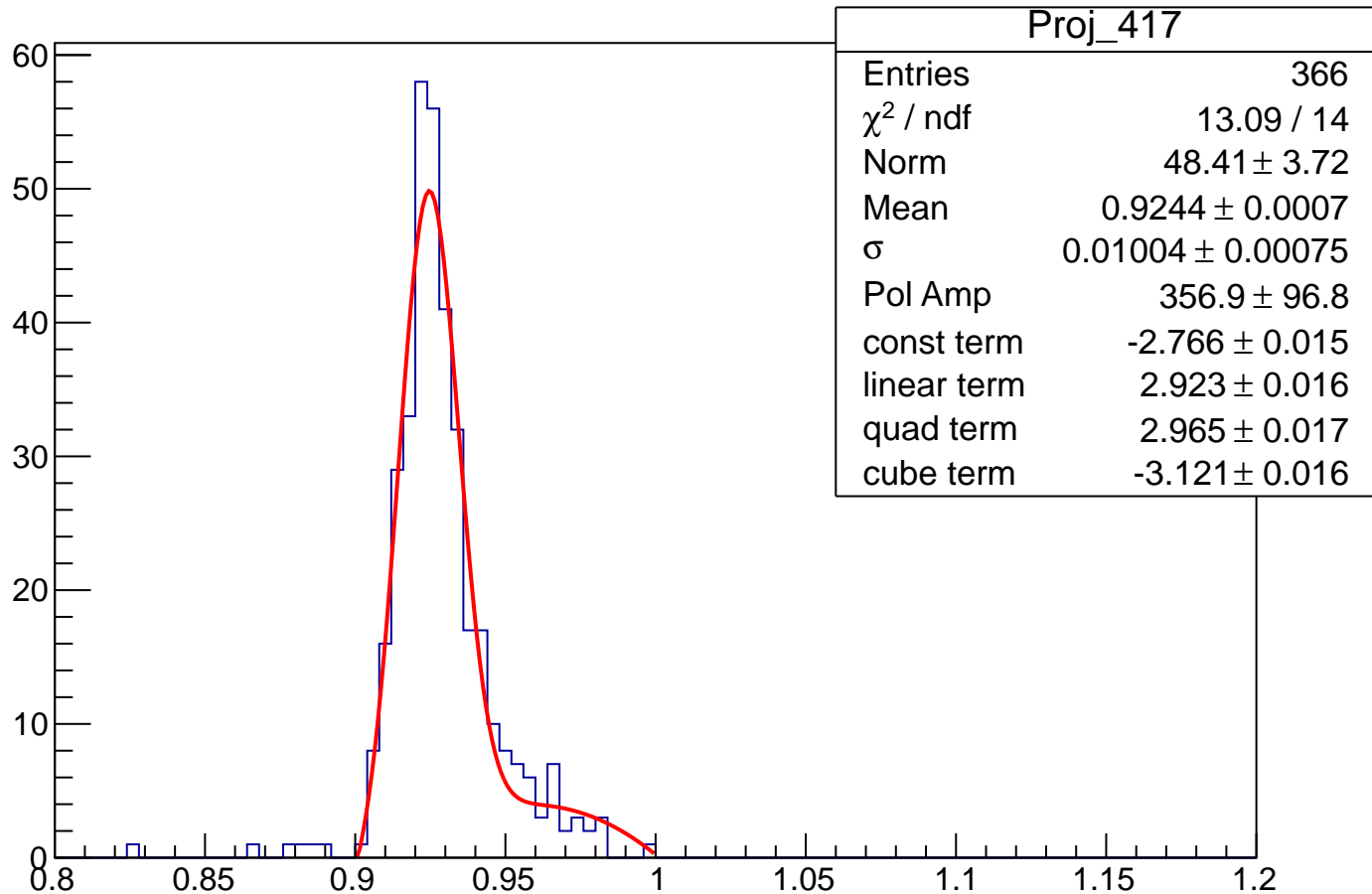




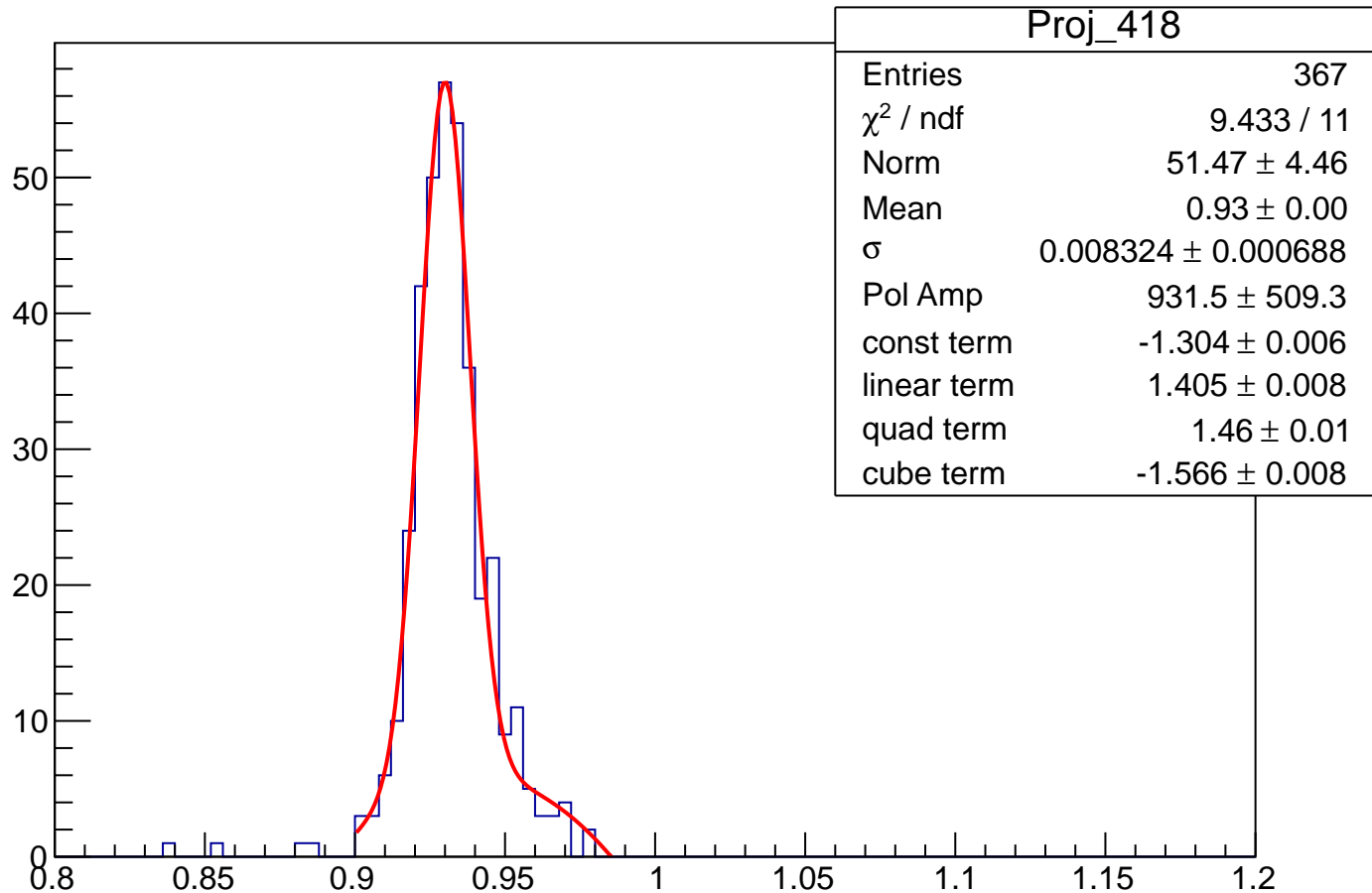
# PhiThetaMassPip



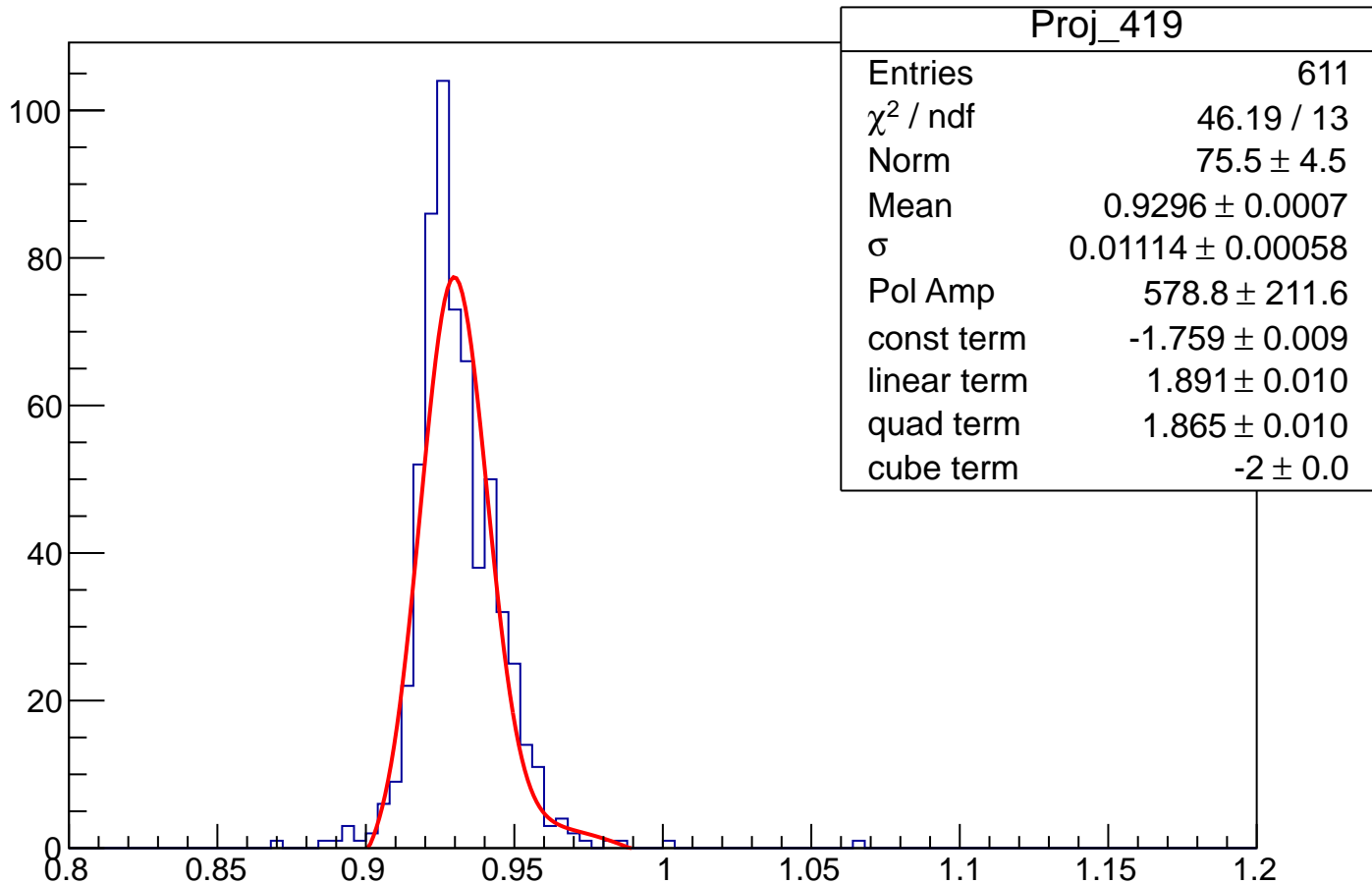
# PhiThetaMassPip



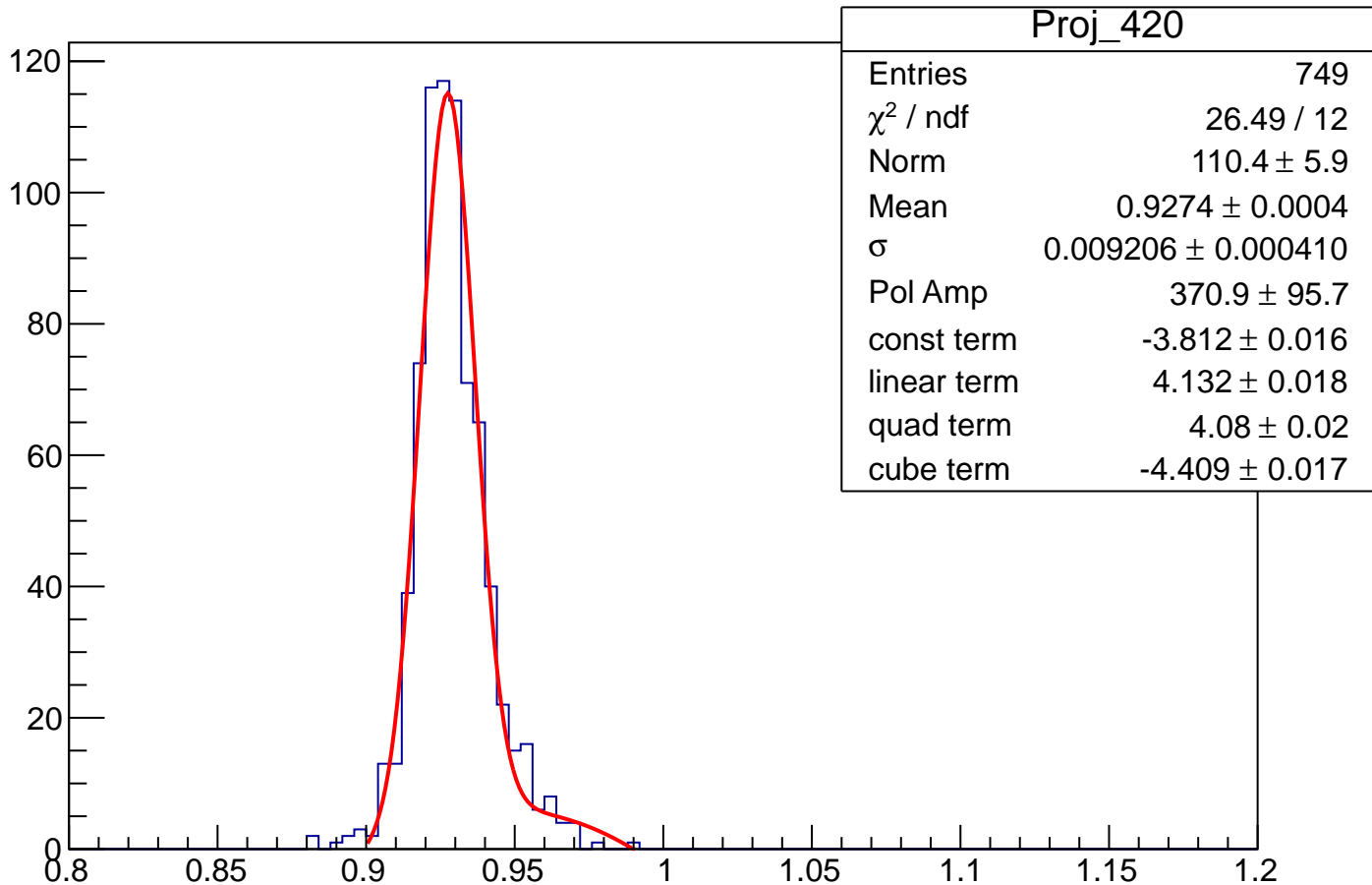
# PhiThetaMassPip



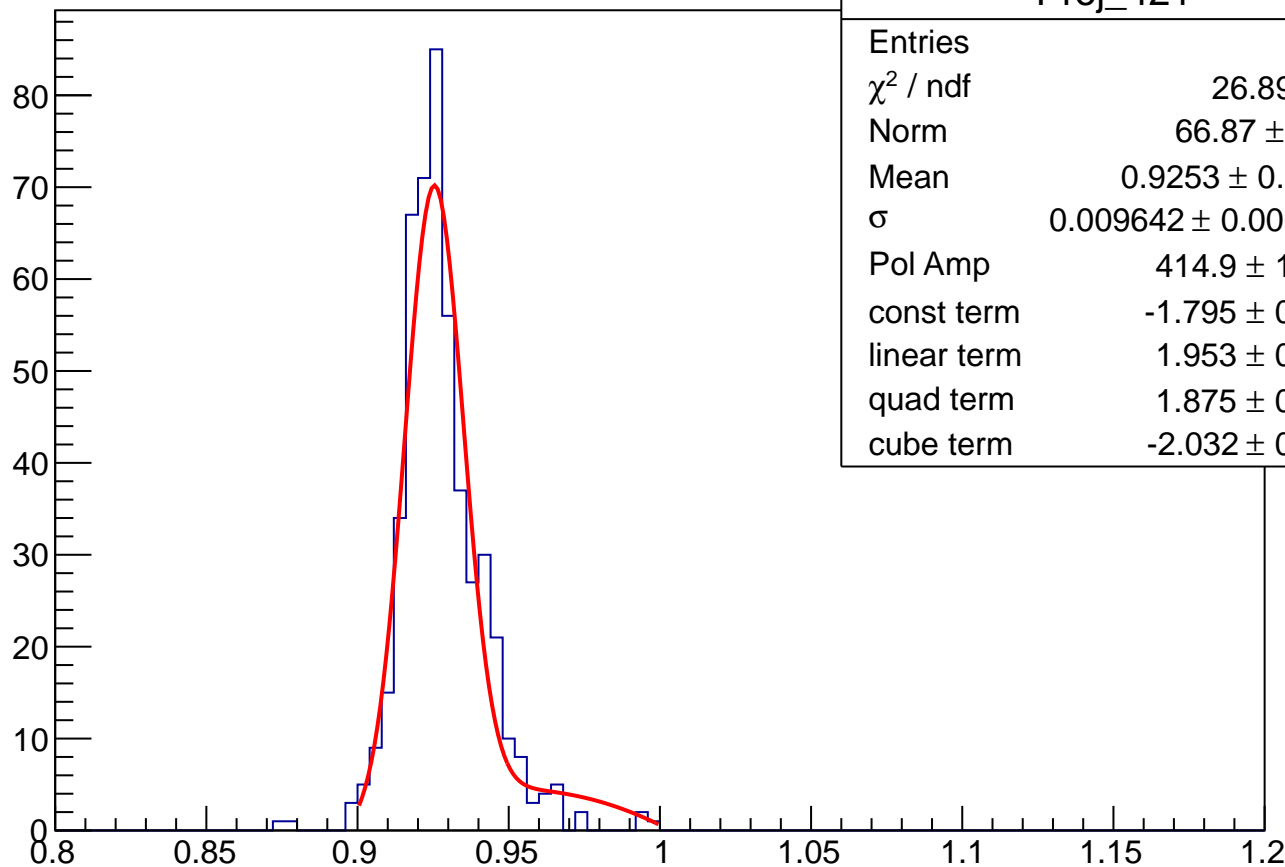
# PhiThetaMassPip



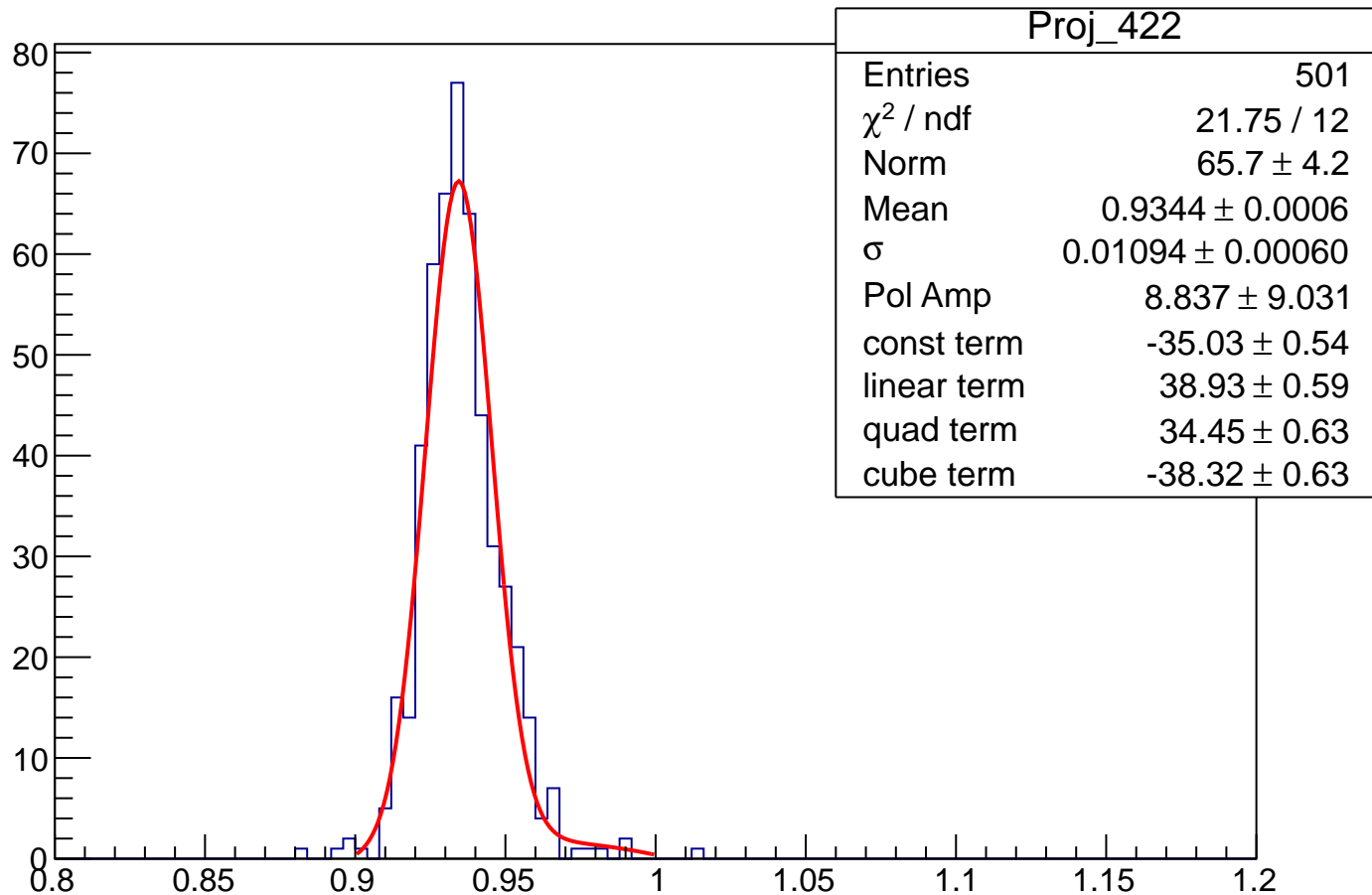
# PhiThetaMassPip



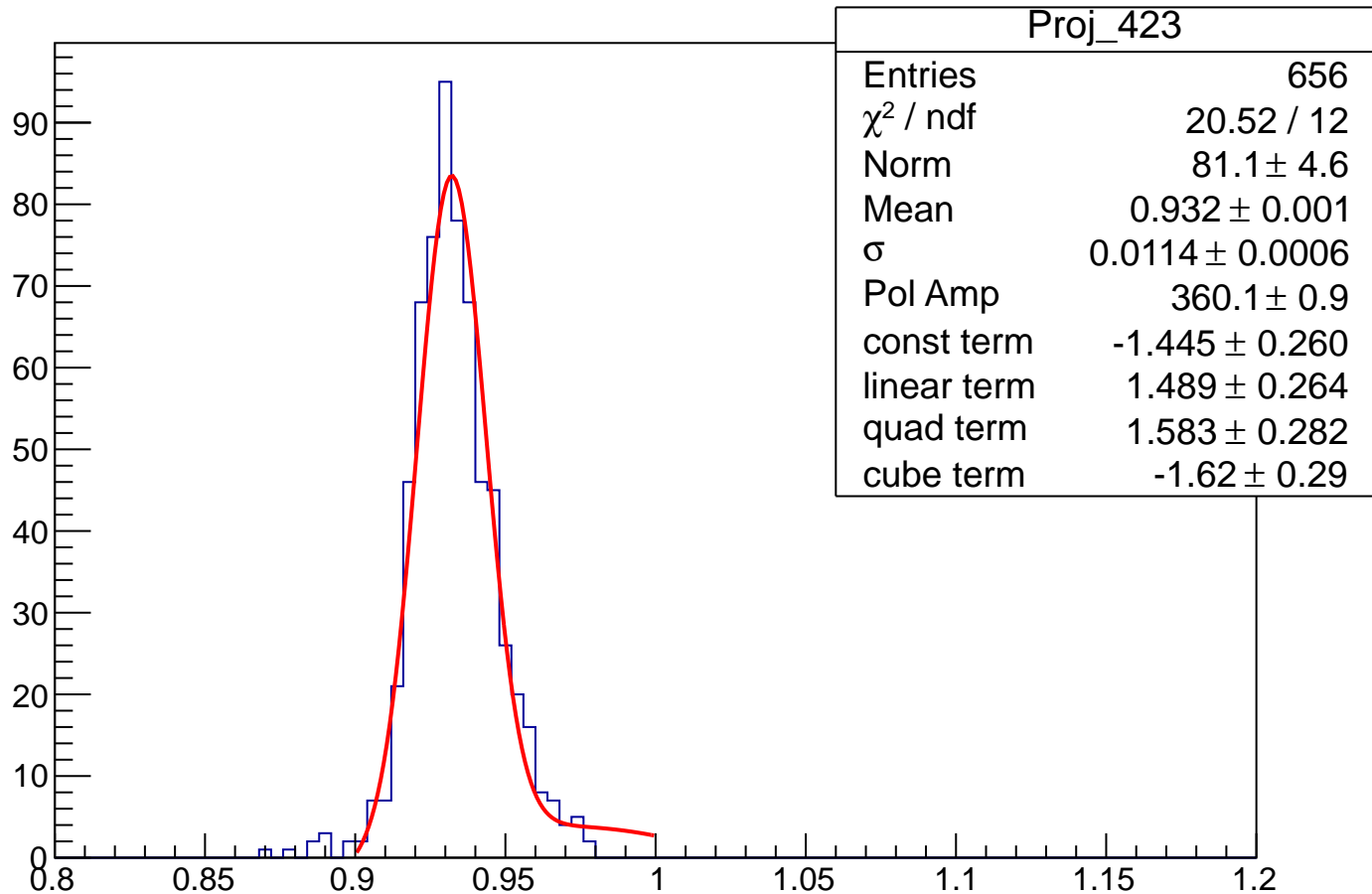
# PhiThetaMassPip



# PhiThetaMassPip

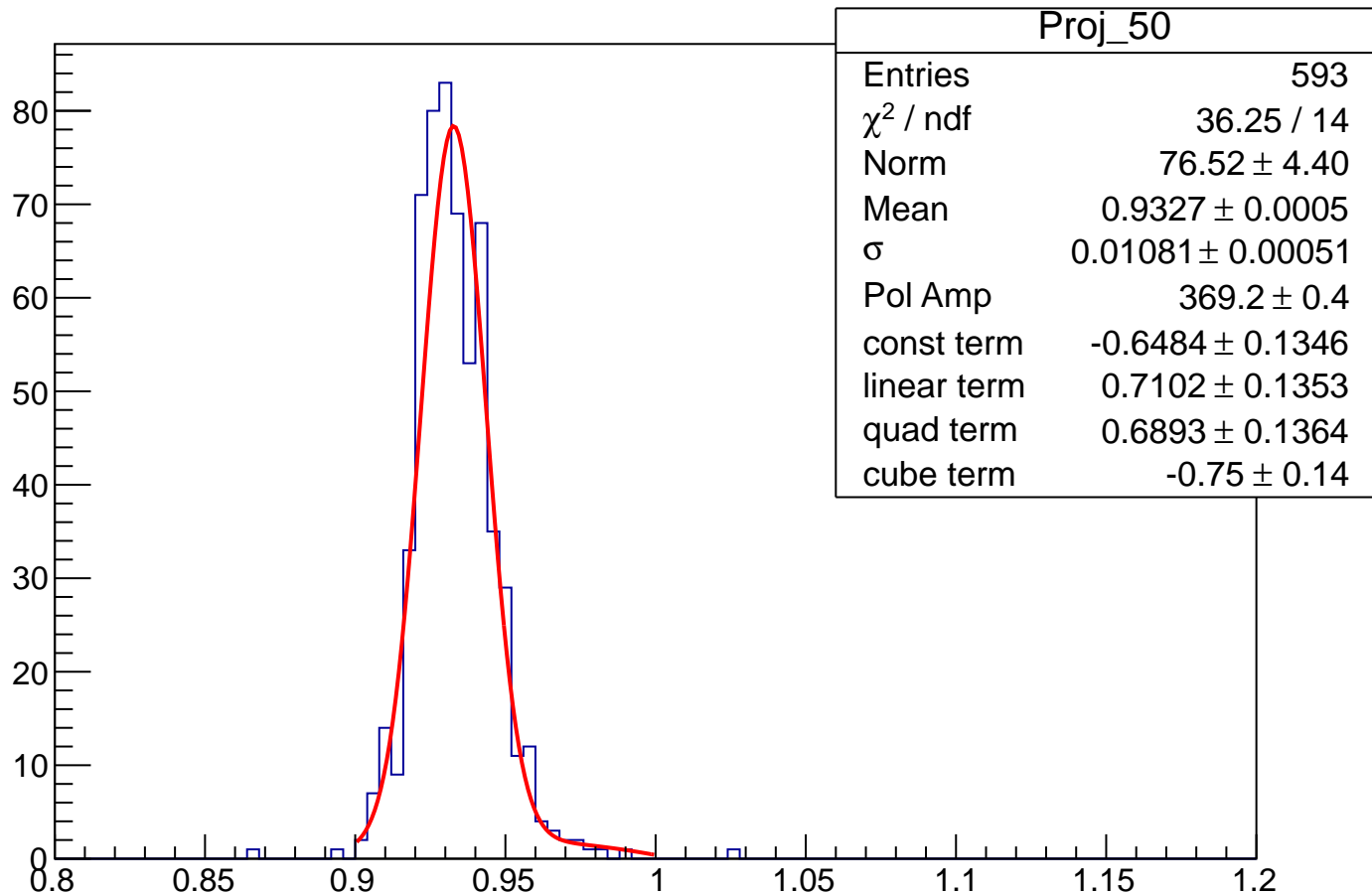


# PhiThetaMassPip

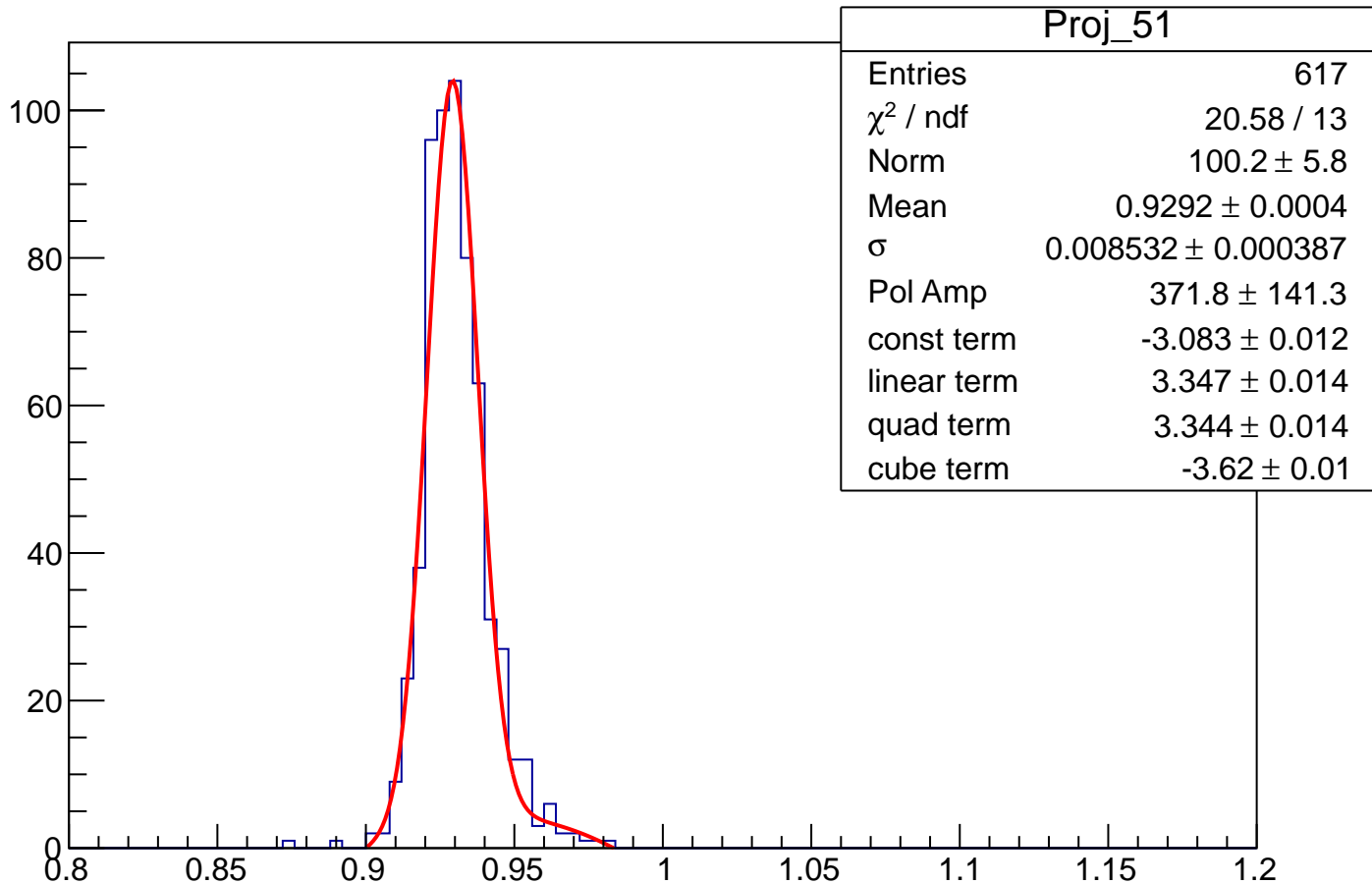




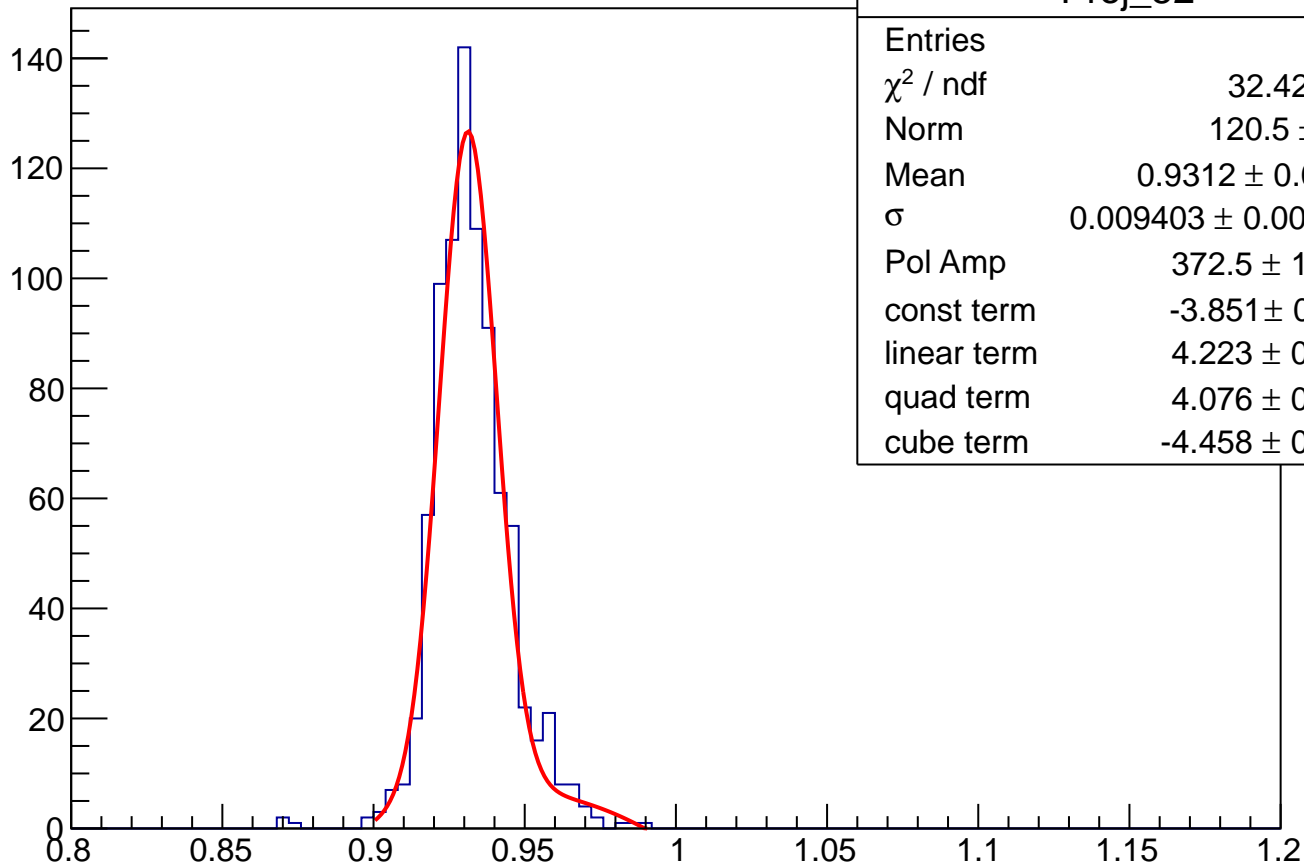
# PhiThetaMassPip



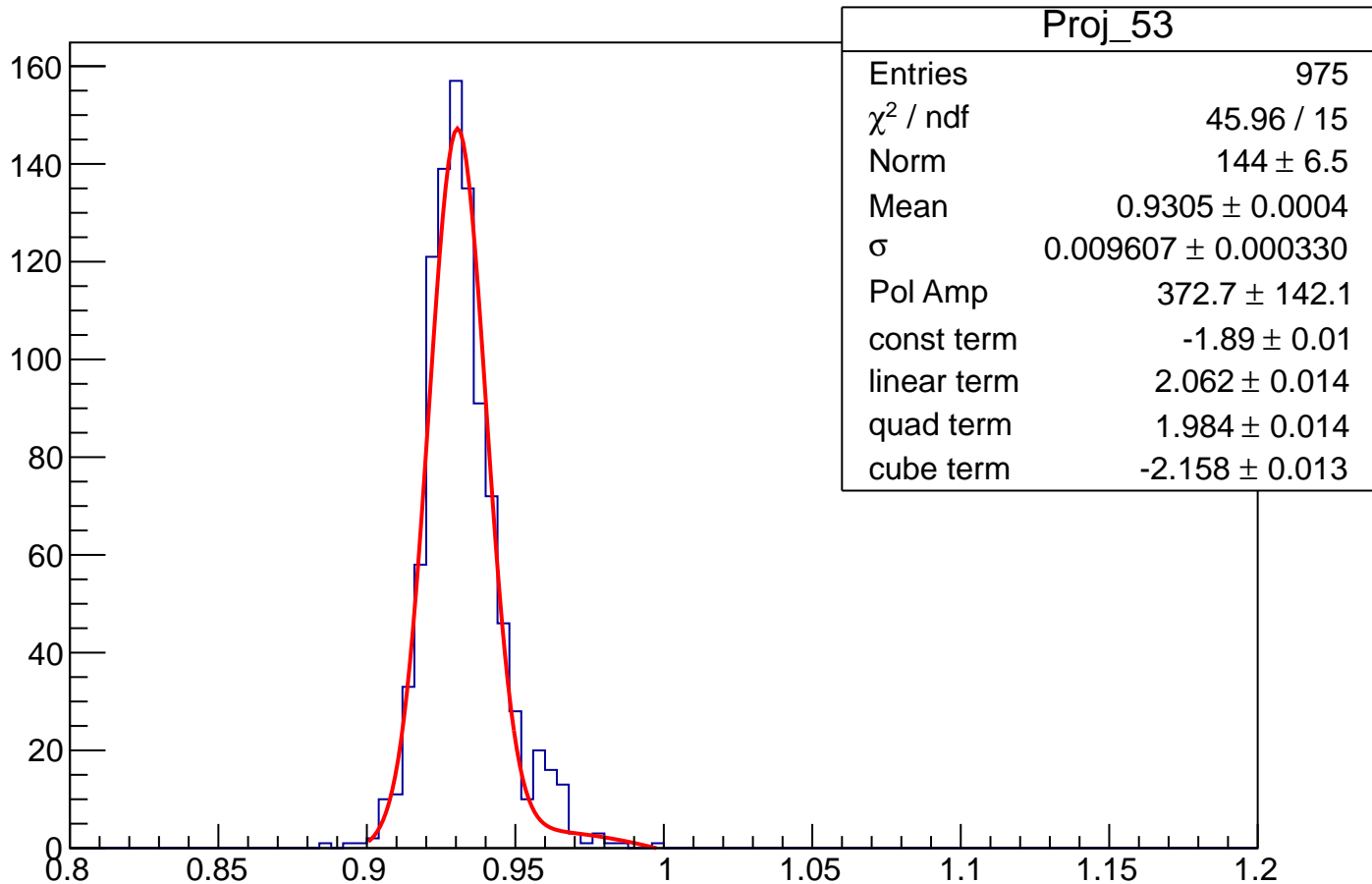
# PhiThetaMassPip



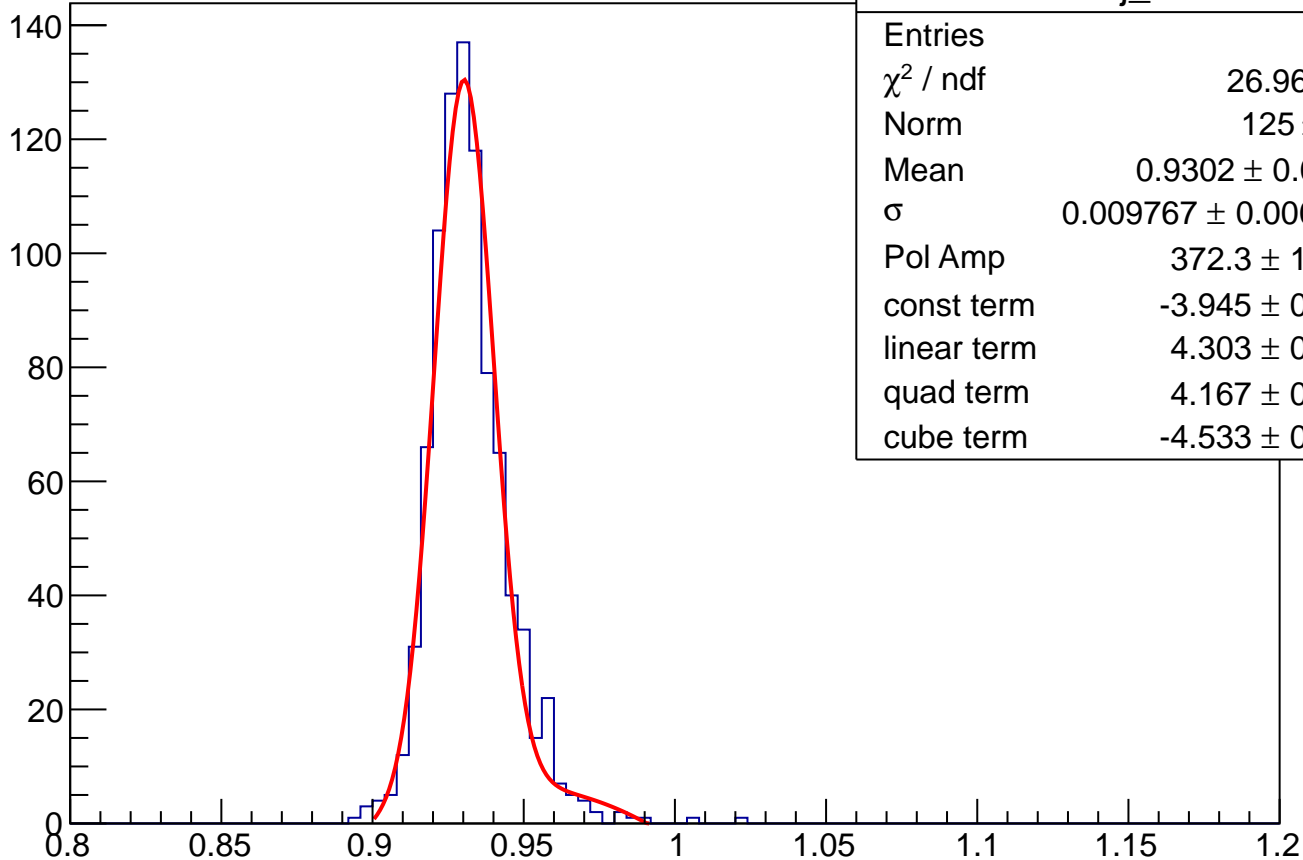
# PhiThetaMassPip



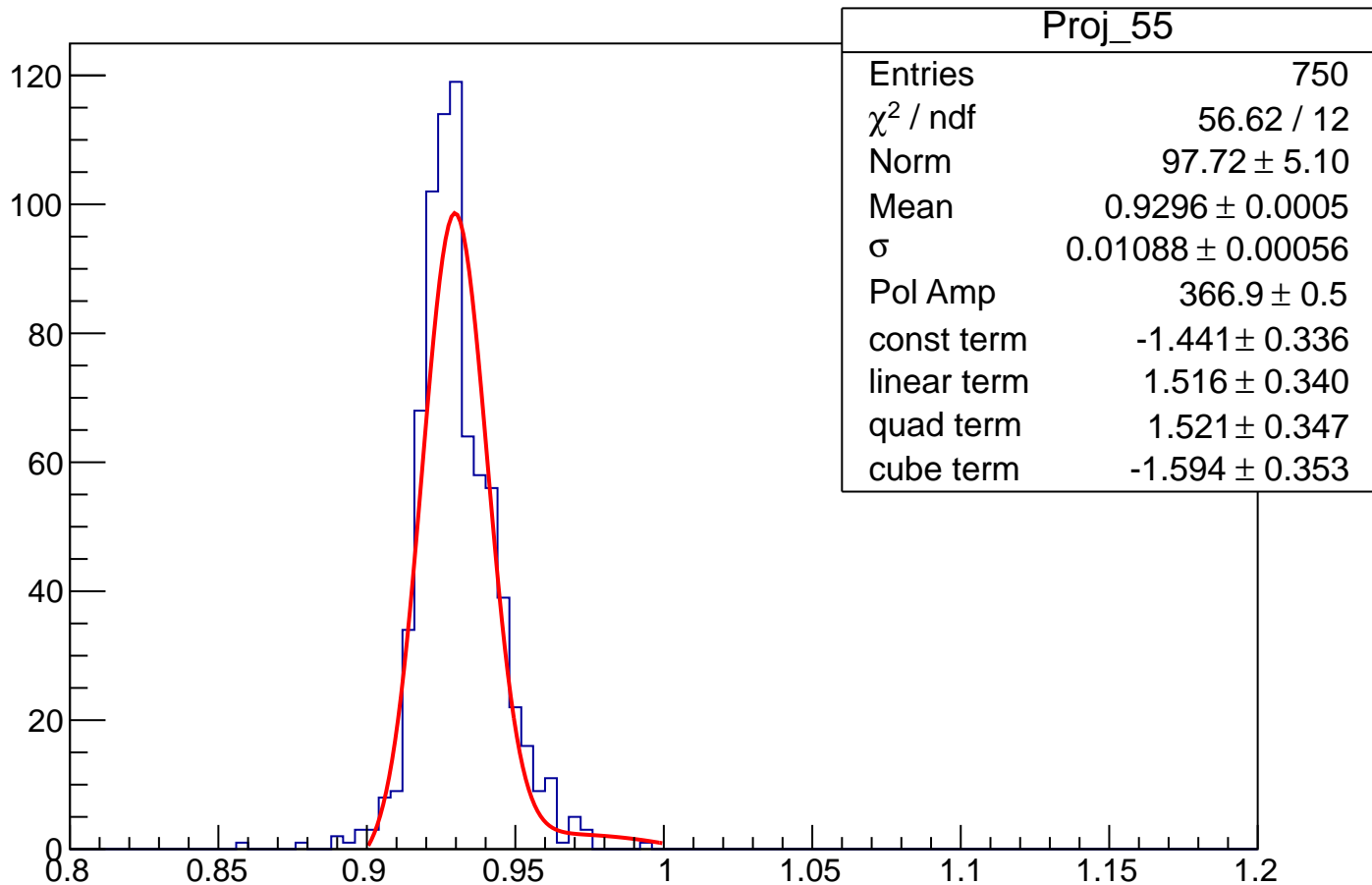
# PhiThetaMassPip



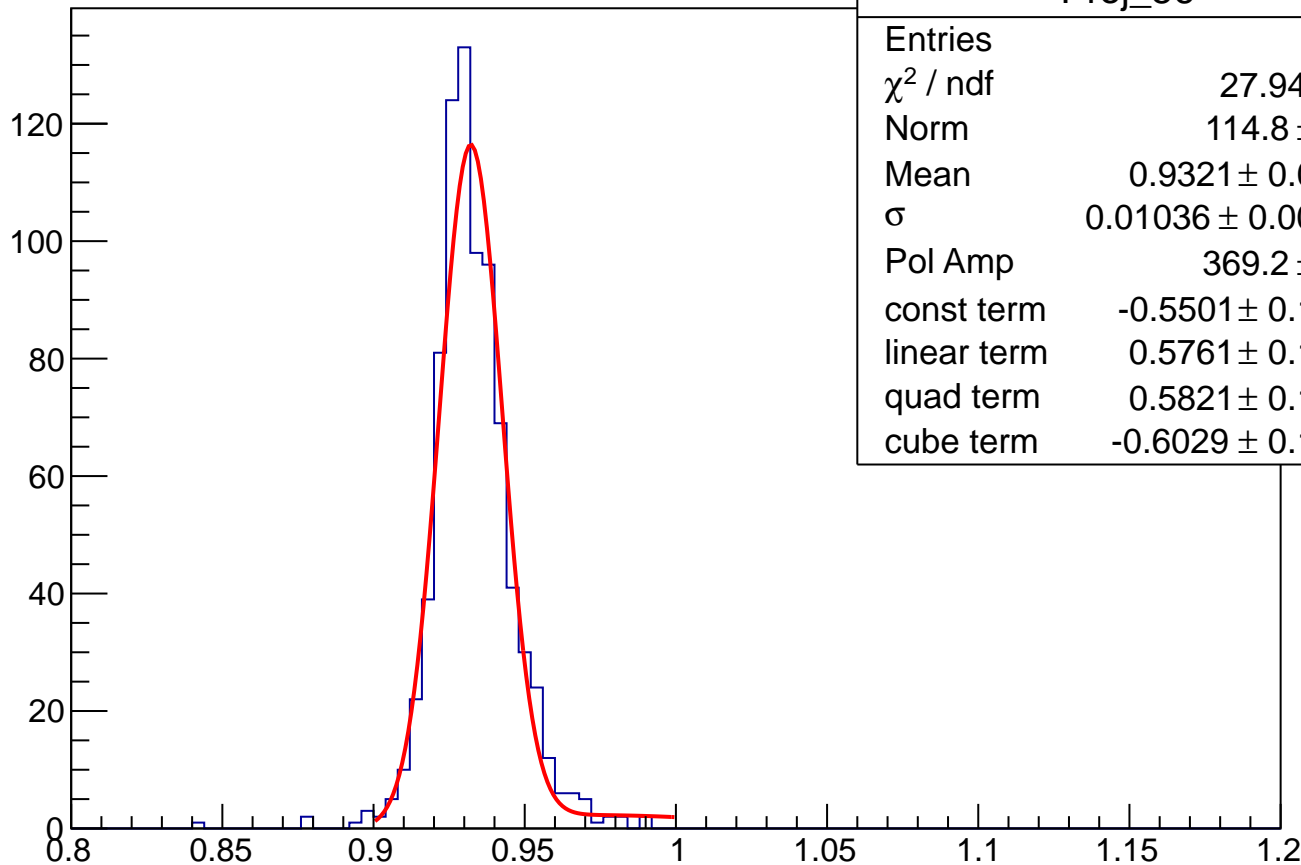
# PhiThetaMassPip



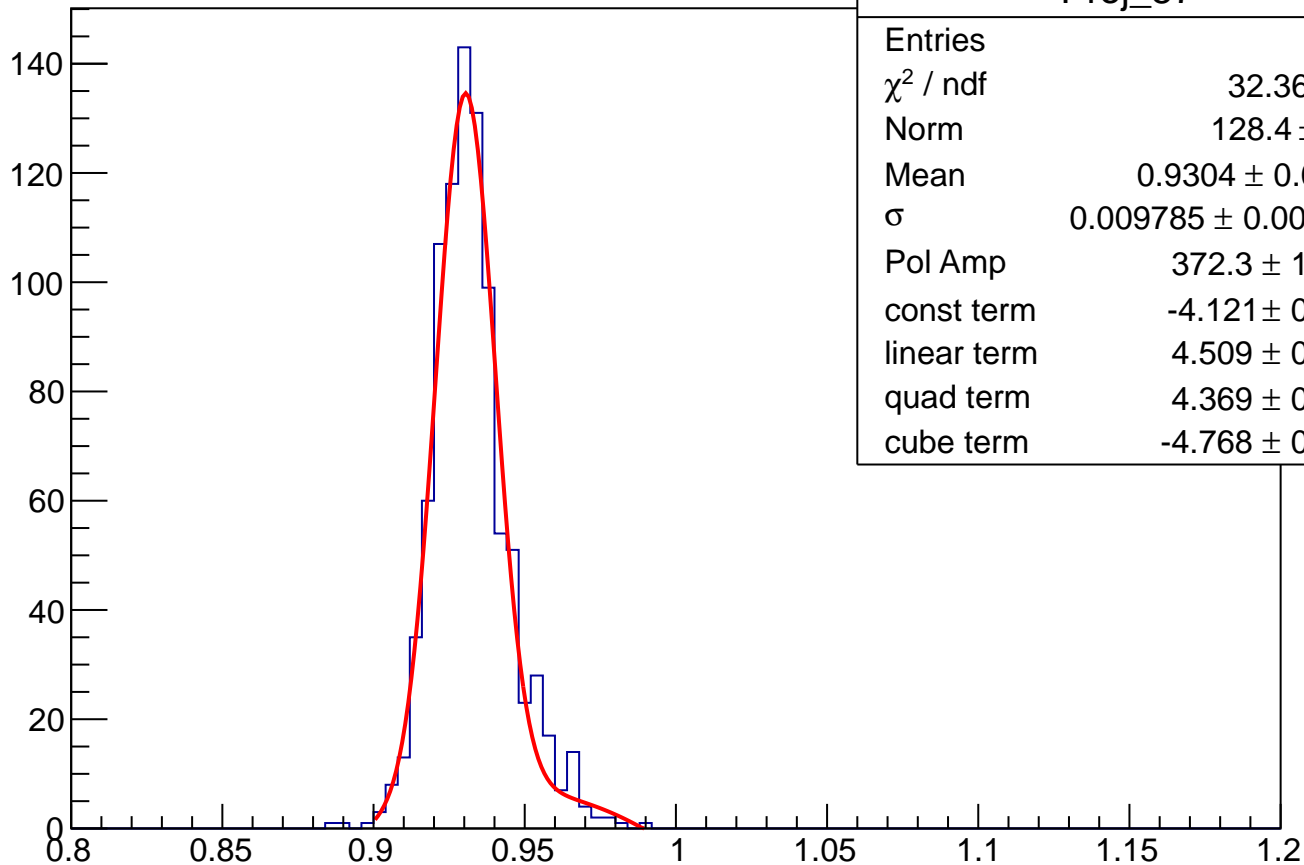
# PhiThetaMassPip



# PhiThetaMassPip

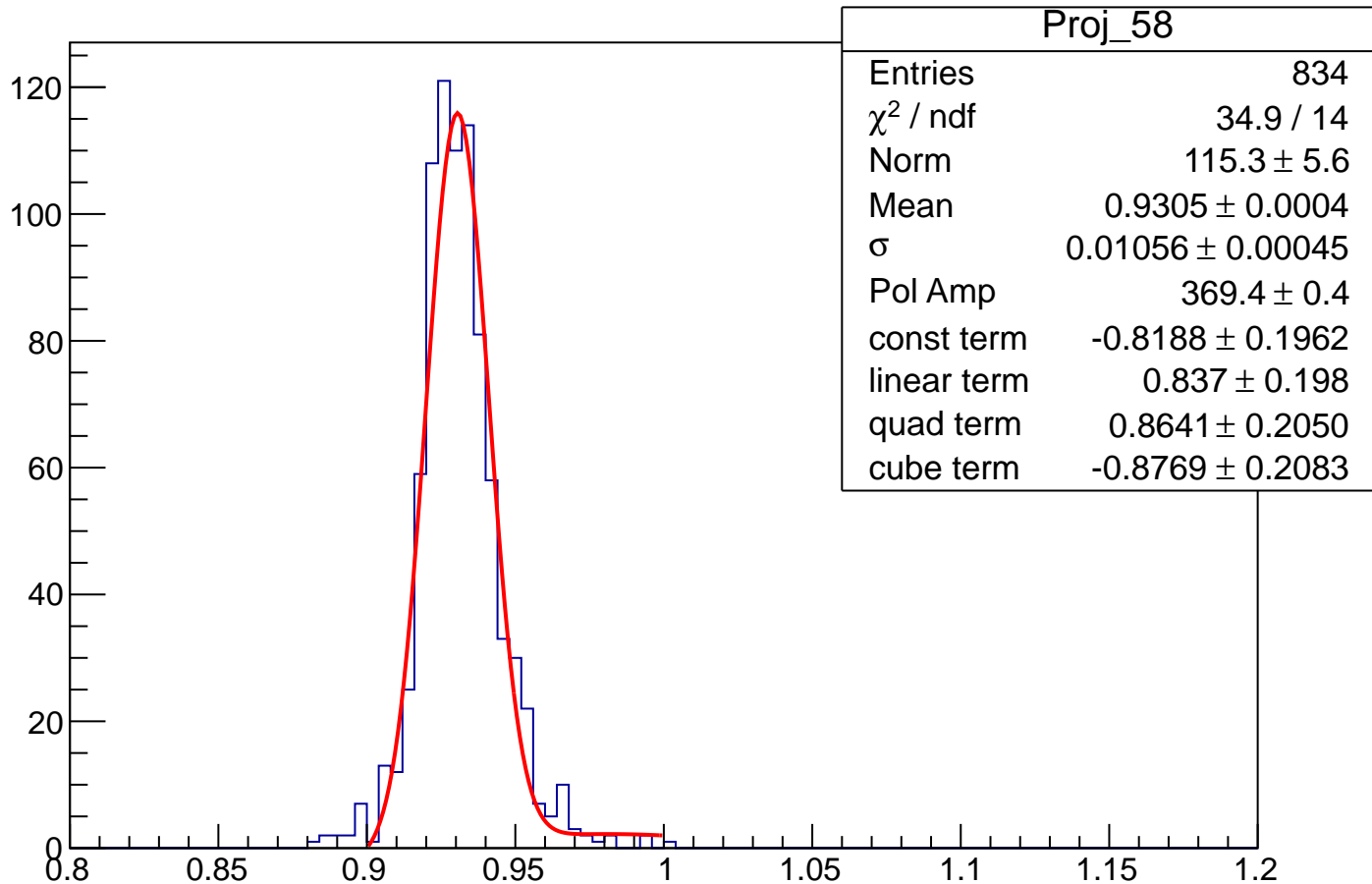


# PhiThetaMassPip

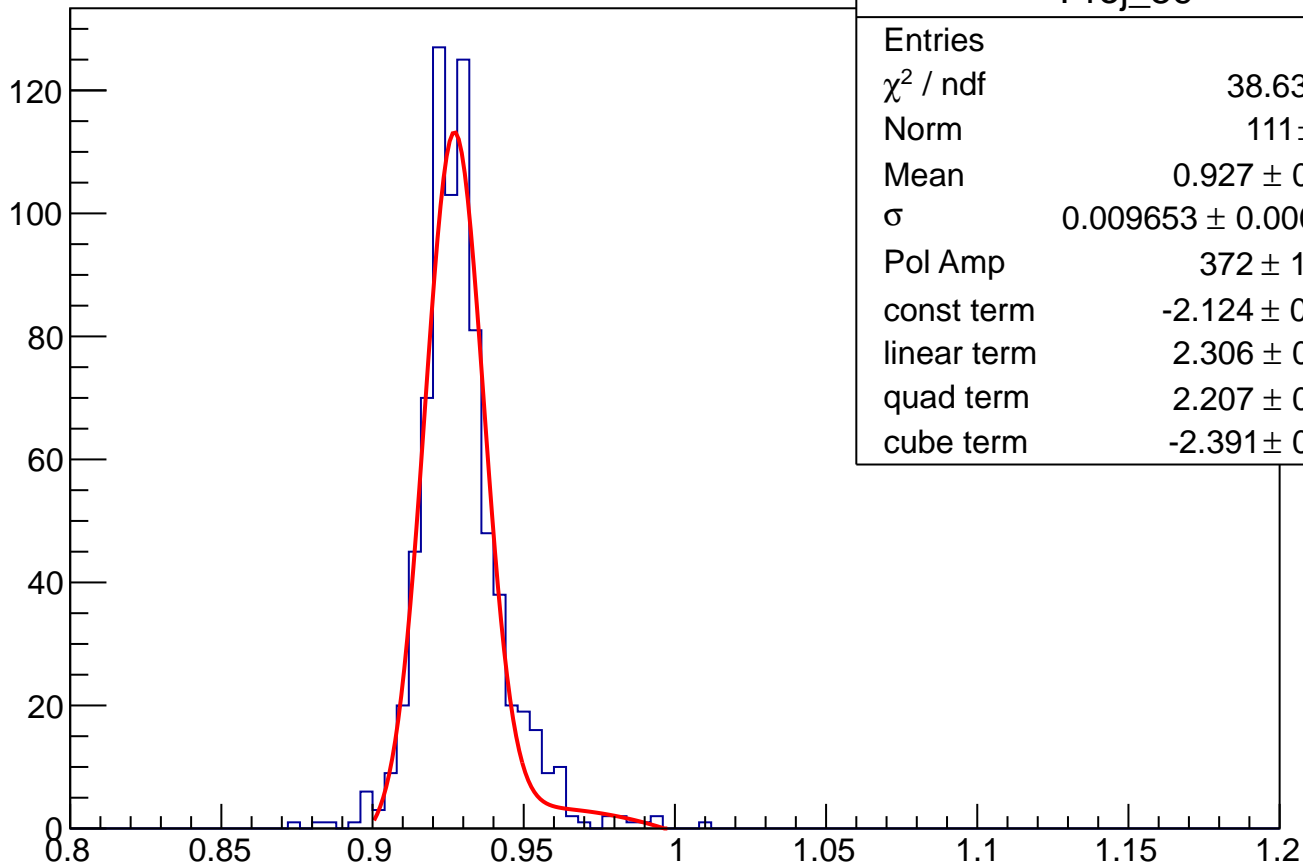




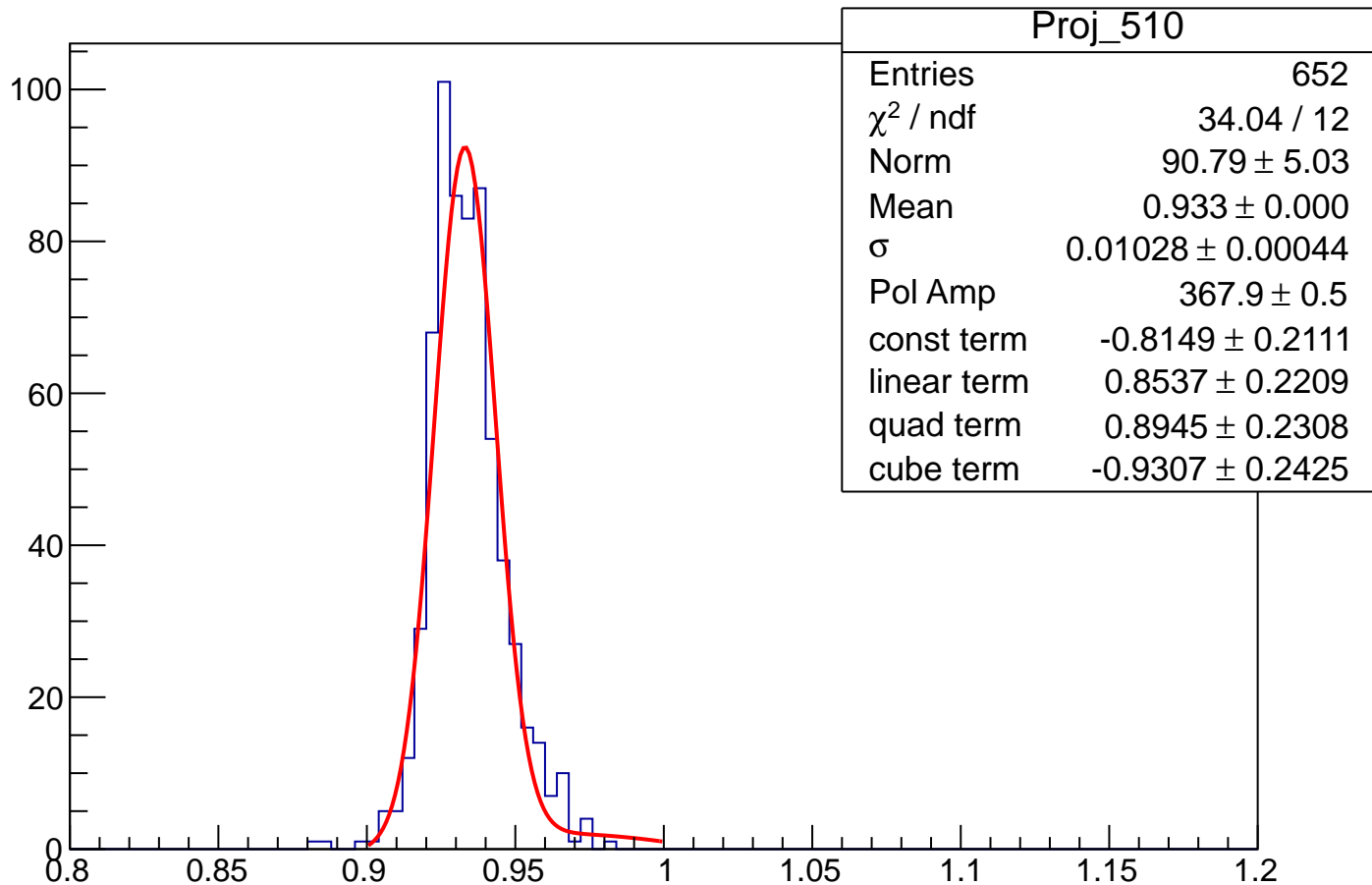
# PhiThetaMassPip



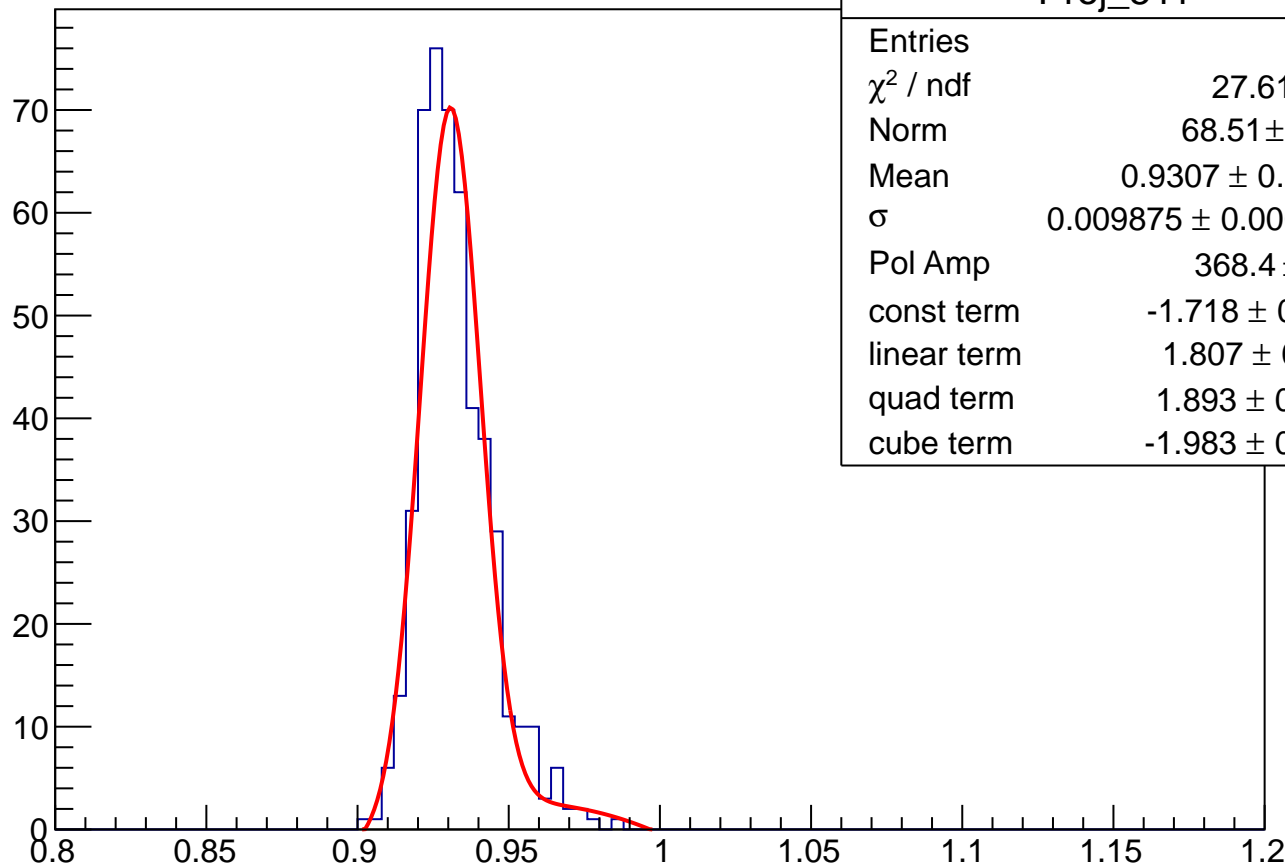
# PhiThetaMassPip



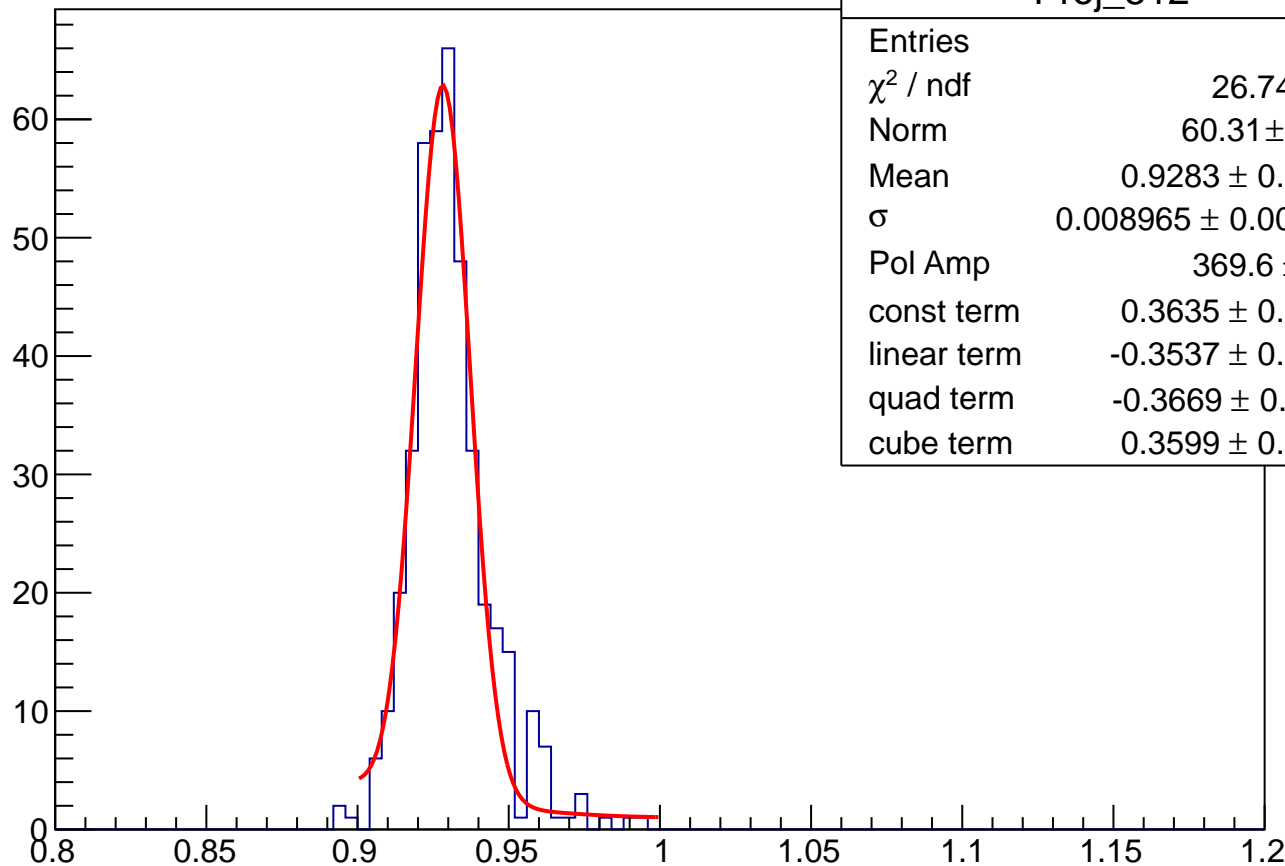
# PhiThetaMassPip



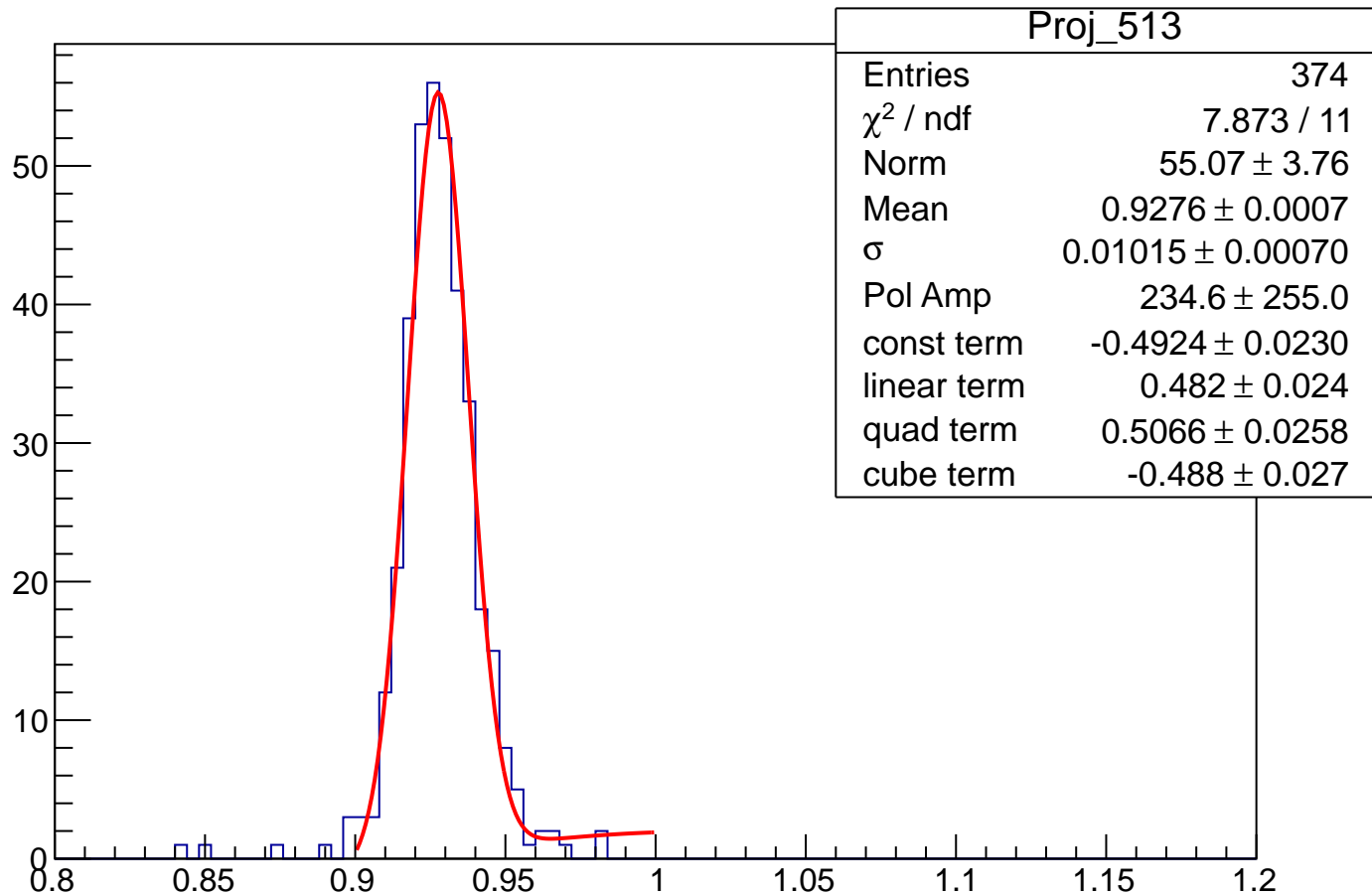
# PhiThetaMassPip



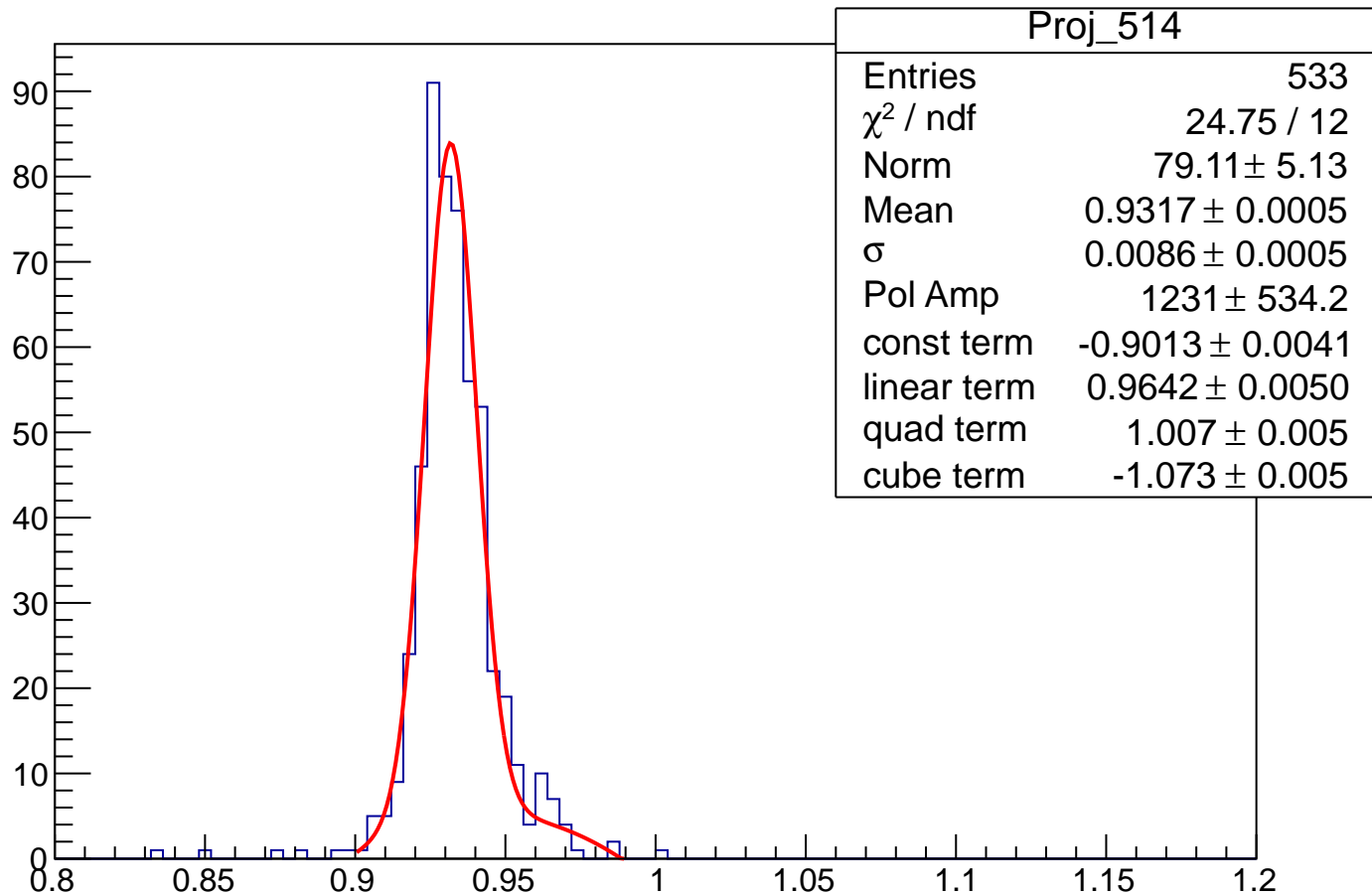
# PhiThetaMassPip



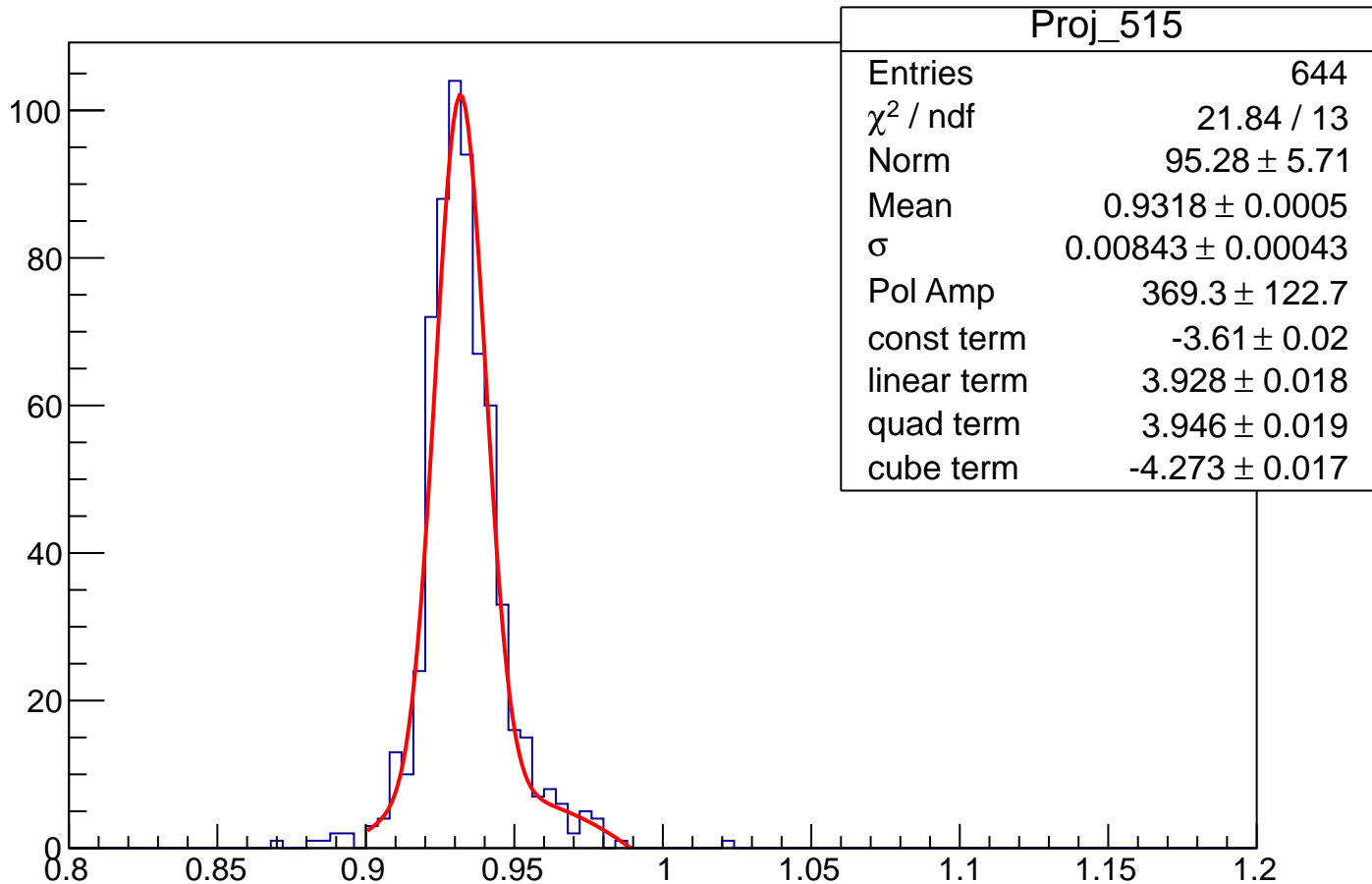
# PhiThetaMassPip



# PhiThetaMassPip

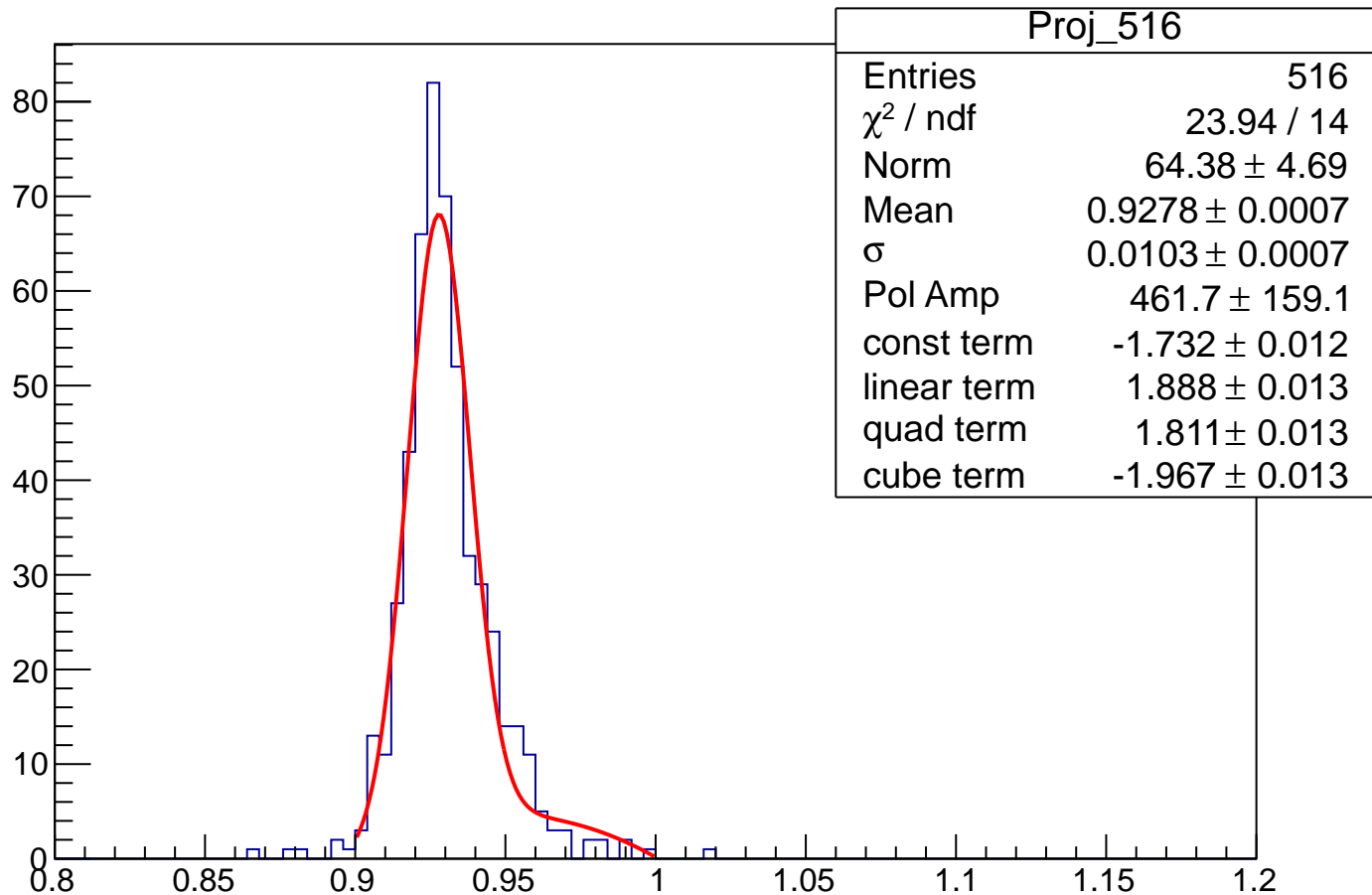


# PhiThetaMassPip

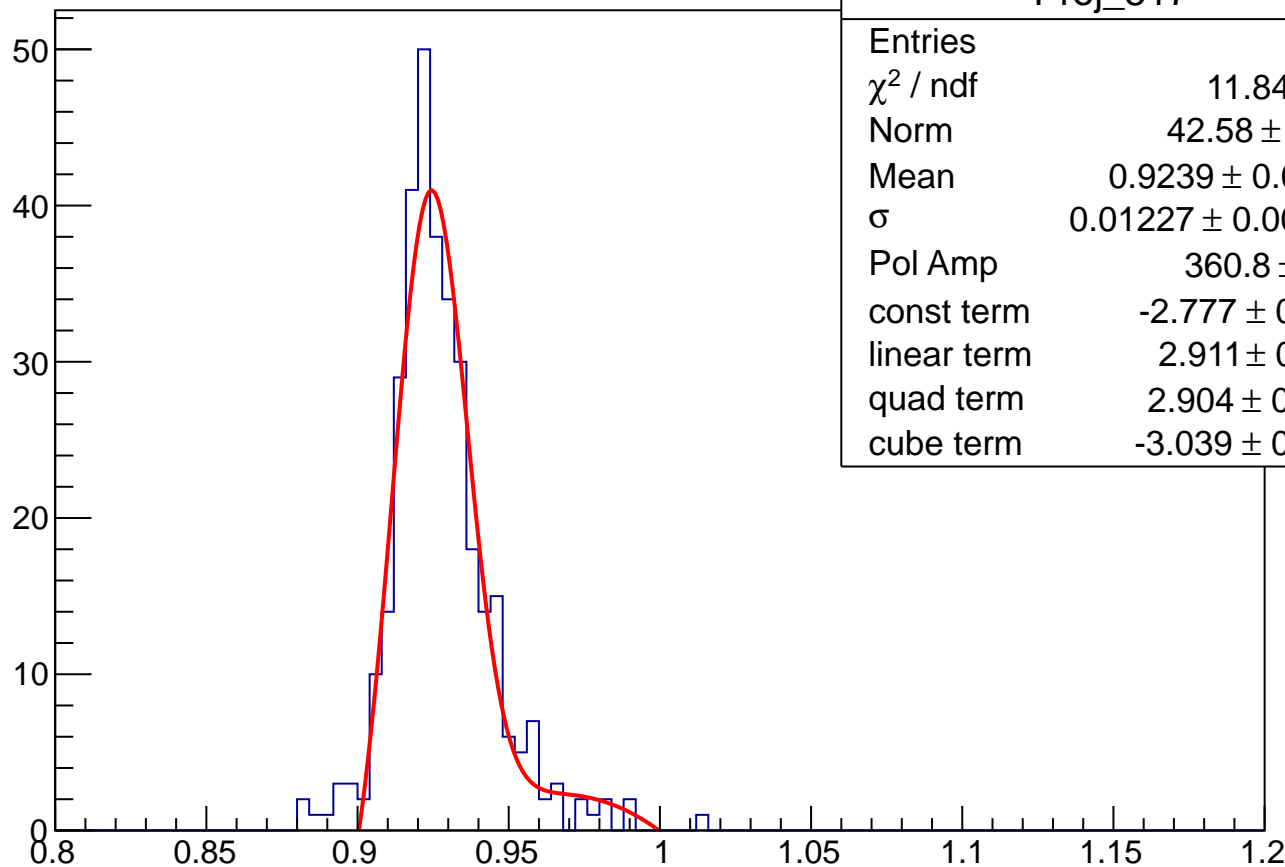




# PhiThetaMassPip



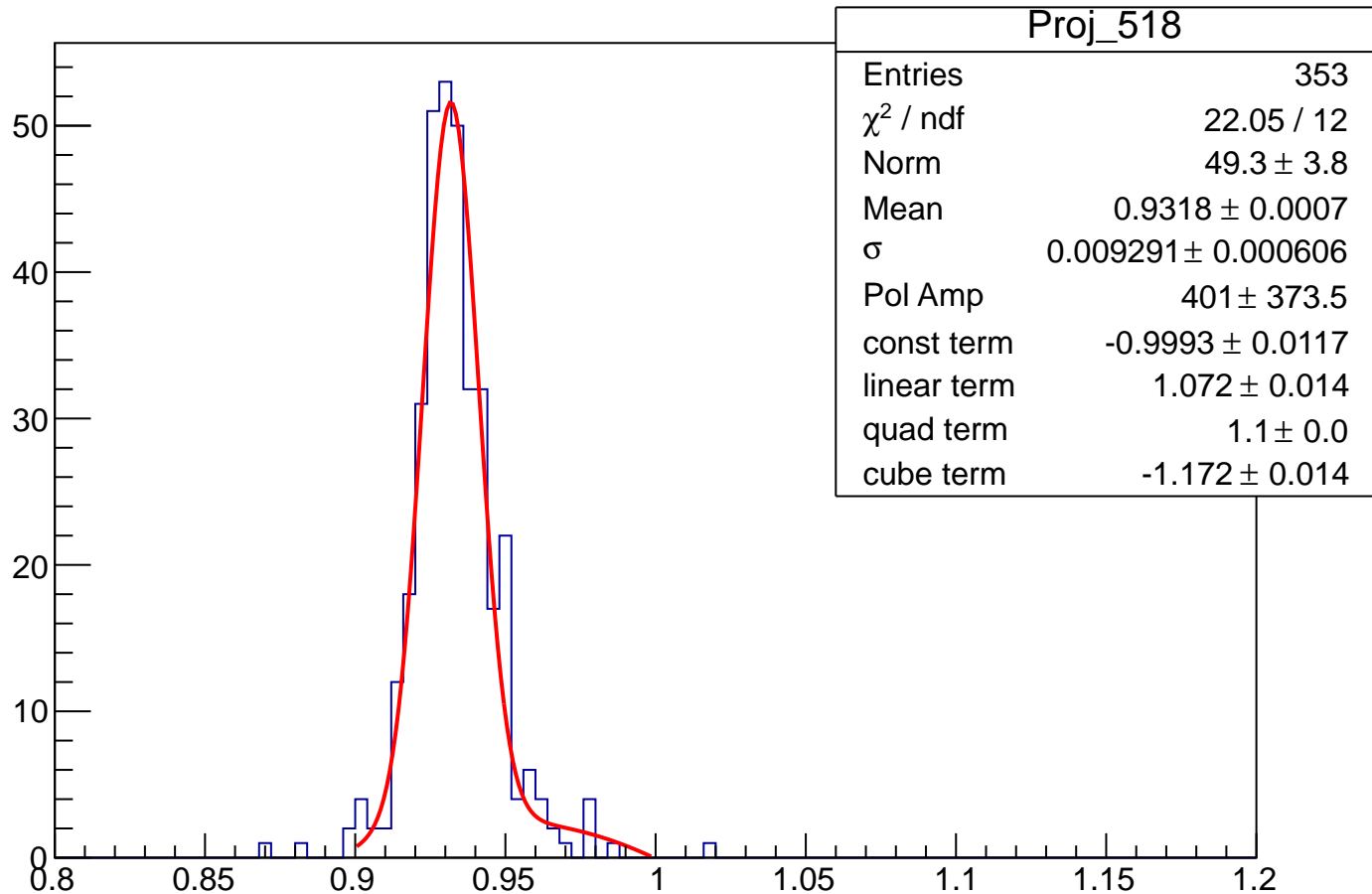
# PhiThetaMassPip



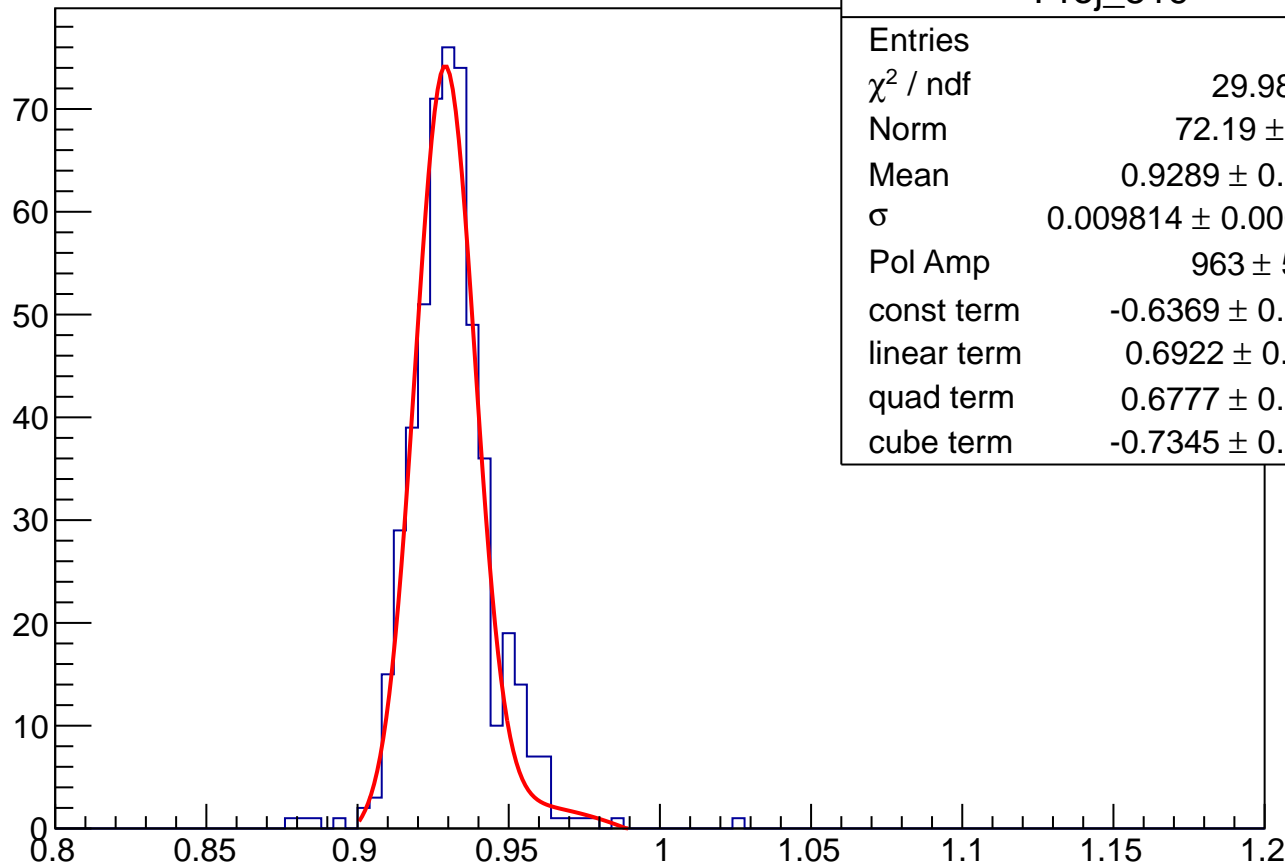
Proj\_517

Entries	336
$\chi^2 / \text{ndf}$	11.84 / 13
Norm	$42.58 \pm 3.58$
Mean	$0.9239 \pm 0.0010$
$\sigma$	$0.01227 \pm 0.00168$
Pol Amp	$360.8 \pm 1.8$
const term	$-2.777 \pm 0.871$
linear term	$2.911 \pm 0.871$
quad term	$2.904 \pm 0.889$
cube term	$-3.039 \pm 0.890$

# PhiThetaMassPip



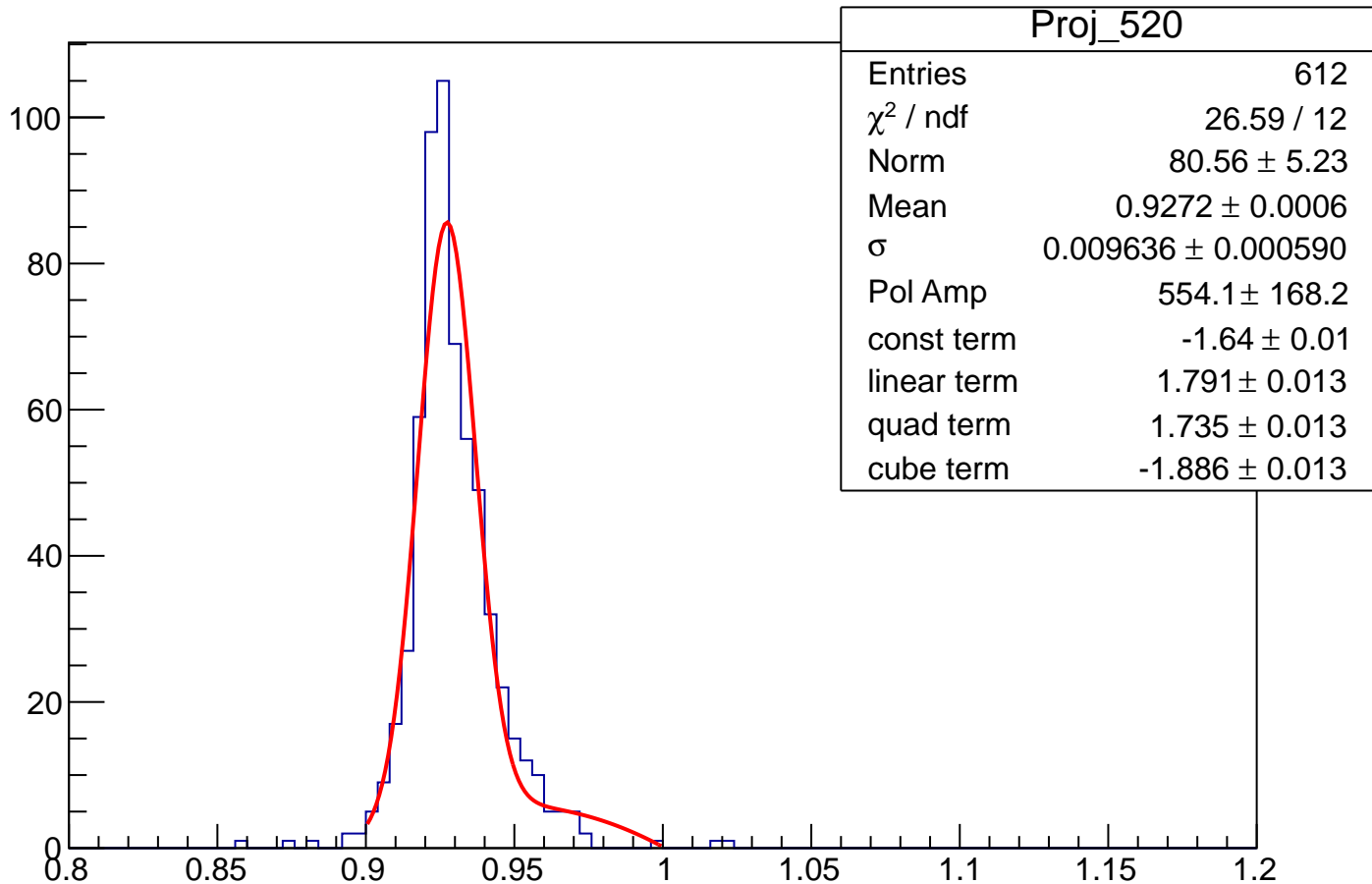
# PhiThetaMassPip



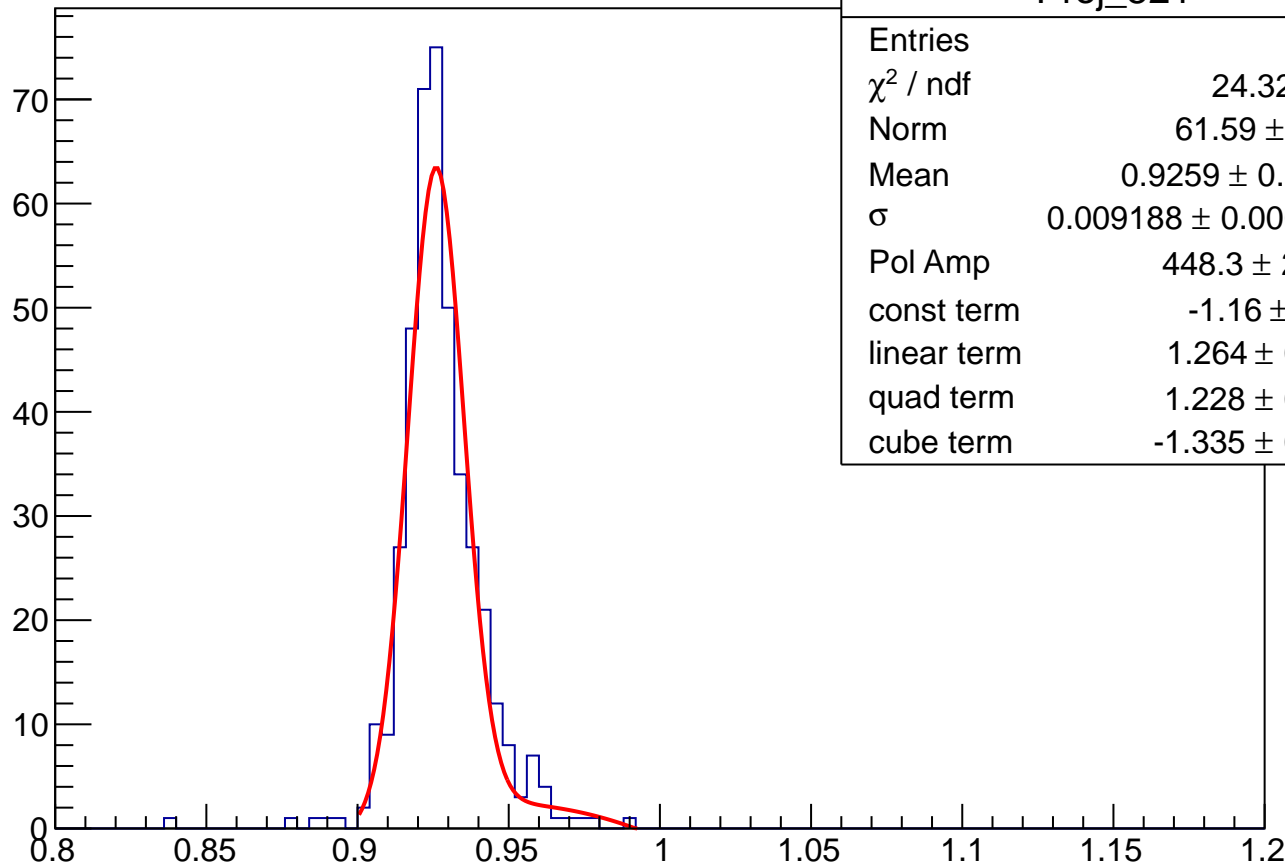
Proj\_519

Entries	512
$\chi^2 / \text{ndf}$	29.98 / 13
Norm	$72.19 \pm 4.59$
Mean	$0.9289 \pm 0.0005$
$\sigma$	$0.009814 \pm 0.000477$
Pol Amp	$963 \pm 564.1$
const term	$-0.6369 \pm 0.0046$
linear term	$0.6922 \pm 0.0051$
quad term	$0.6777 \pm 0.0053$
cube term	$-0.7345 \pm 0.0052$

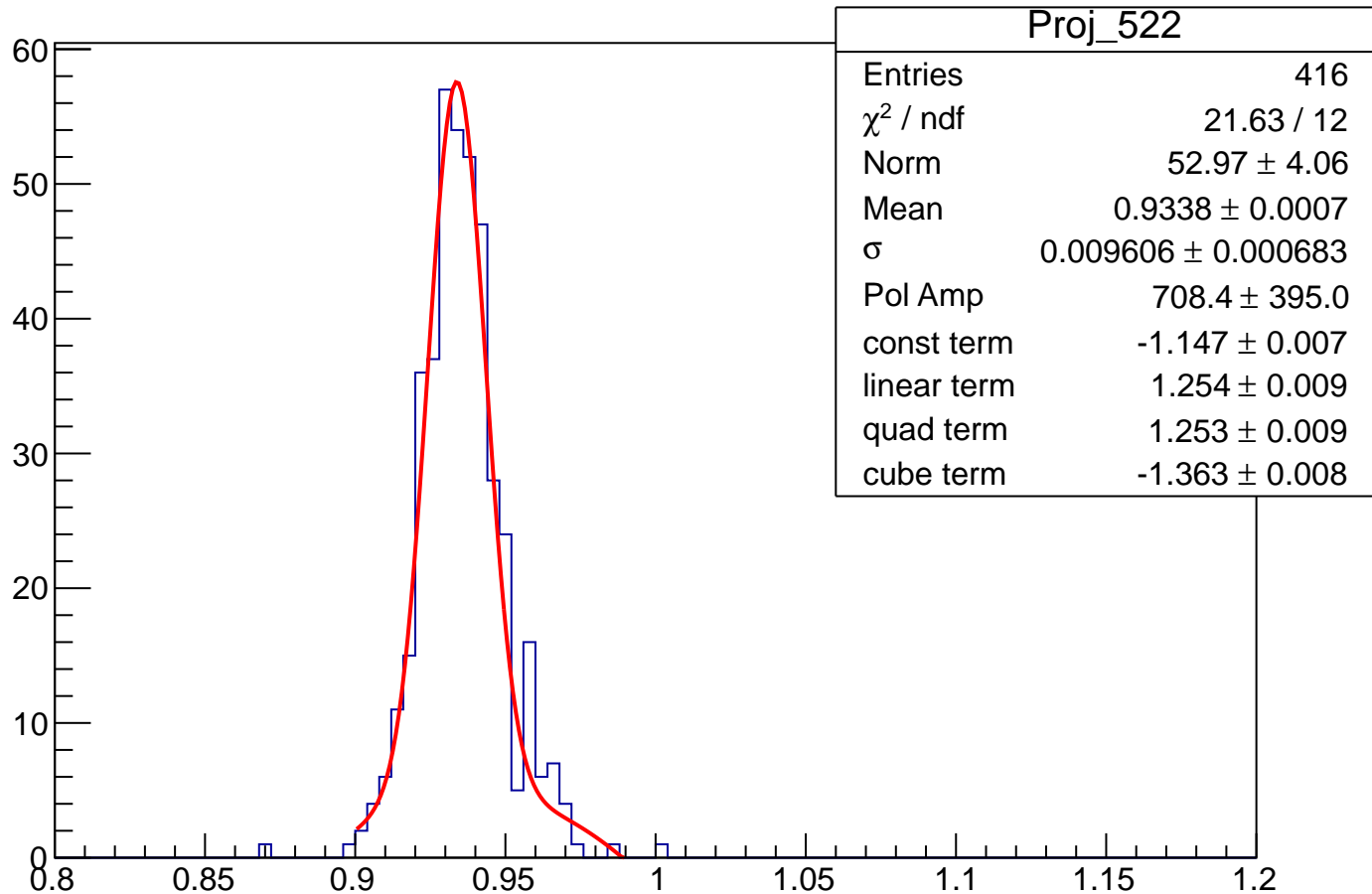
# PhiThetaMassPip



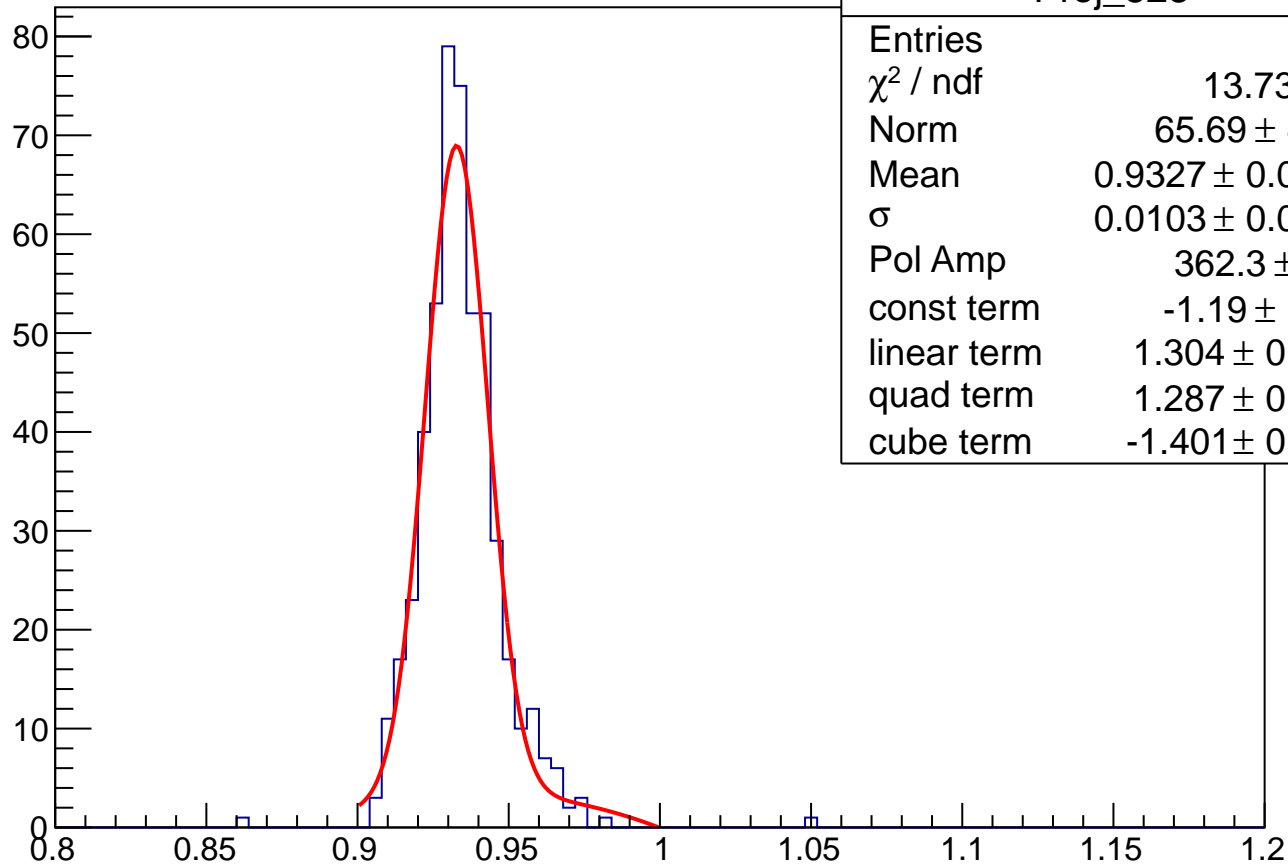
# PhiThetaMassPip



# PhiThetaMassPip



# PhiThetaMassPip

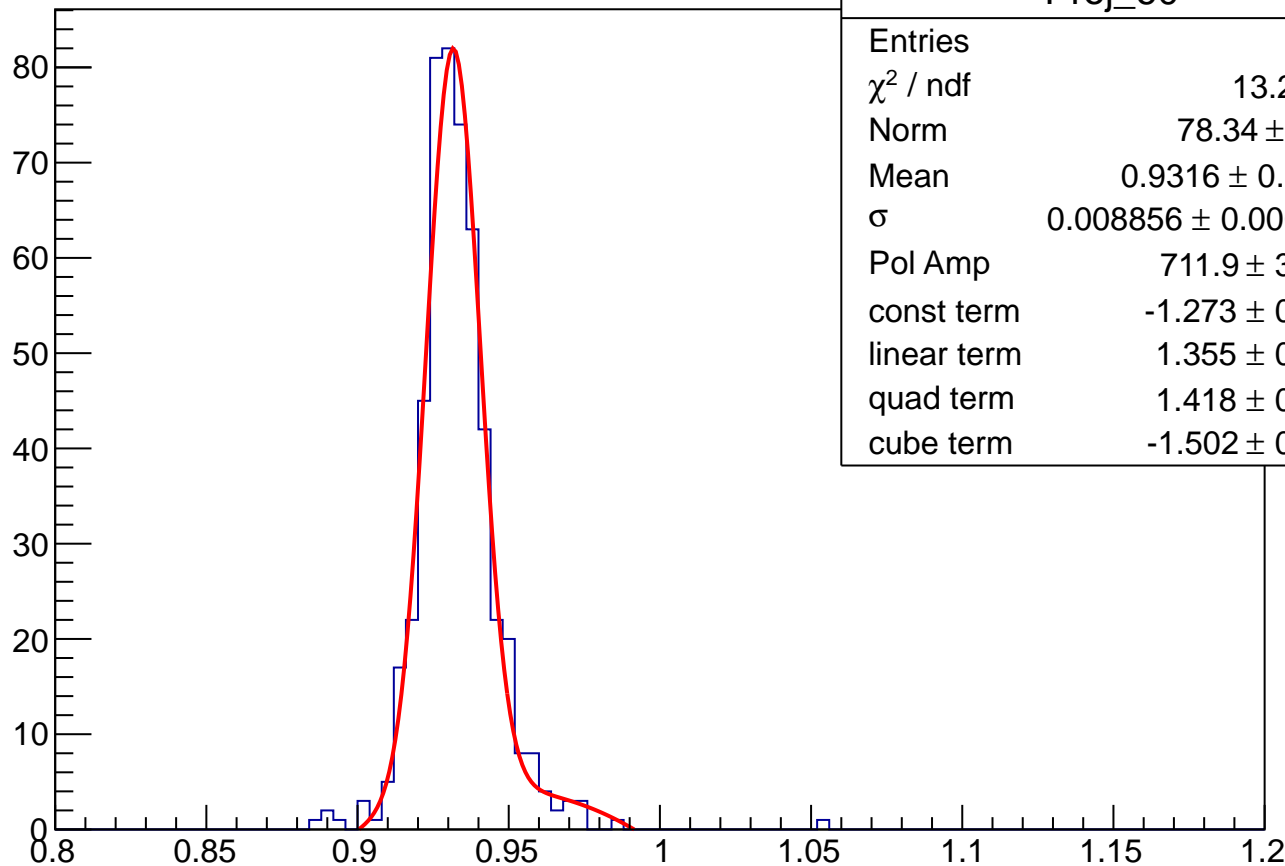


Proj\_523

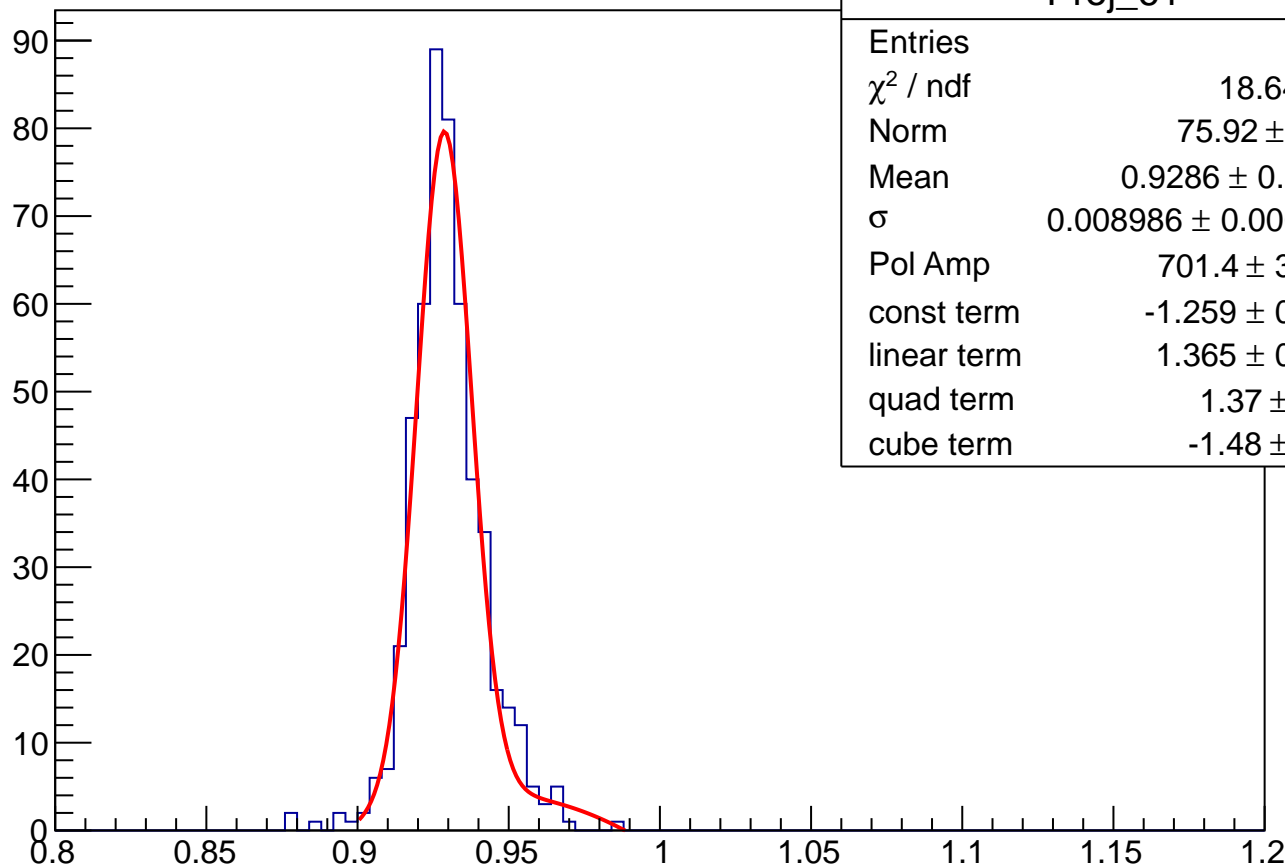
Entries	494
$\chi^2 / \text{ndf}$	13.73 / 11
Norm	$65.69 \pm 4.44$
Mean	$0.9327 \pm 0.0006$
$\sigma$	$0.0103 \pm 0.0007$
Pol Amp	$362.3 \pm 0.9$
const term	$-1.19 \pm 0.30$
linear term	$1.304 \pm 0.298$
quad term	$1.287 \pm 0.306$
cube term	$-1.401 \pm 0.310$



# PhiThetaMassPip



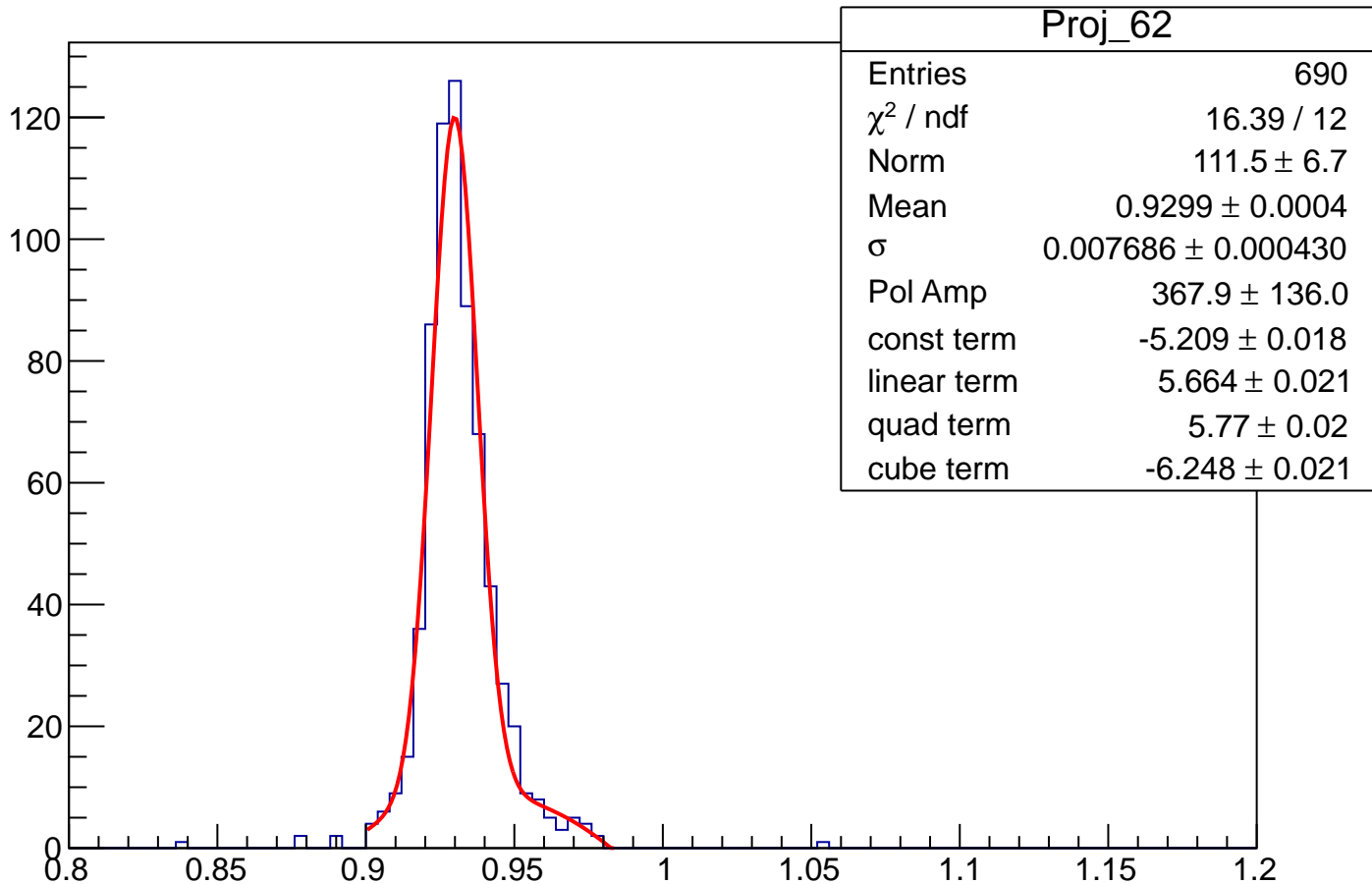
# PhiThetaMassPip



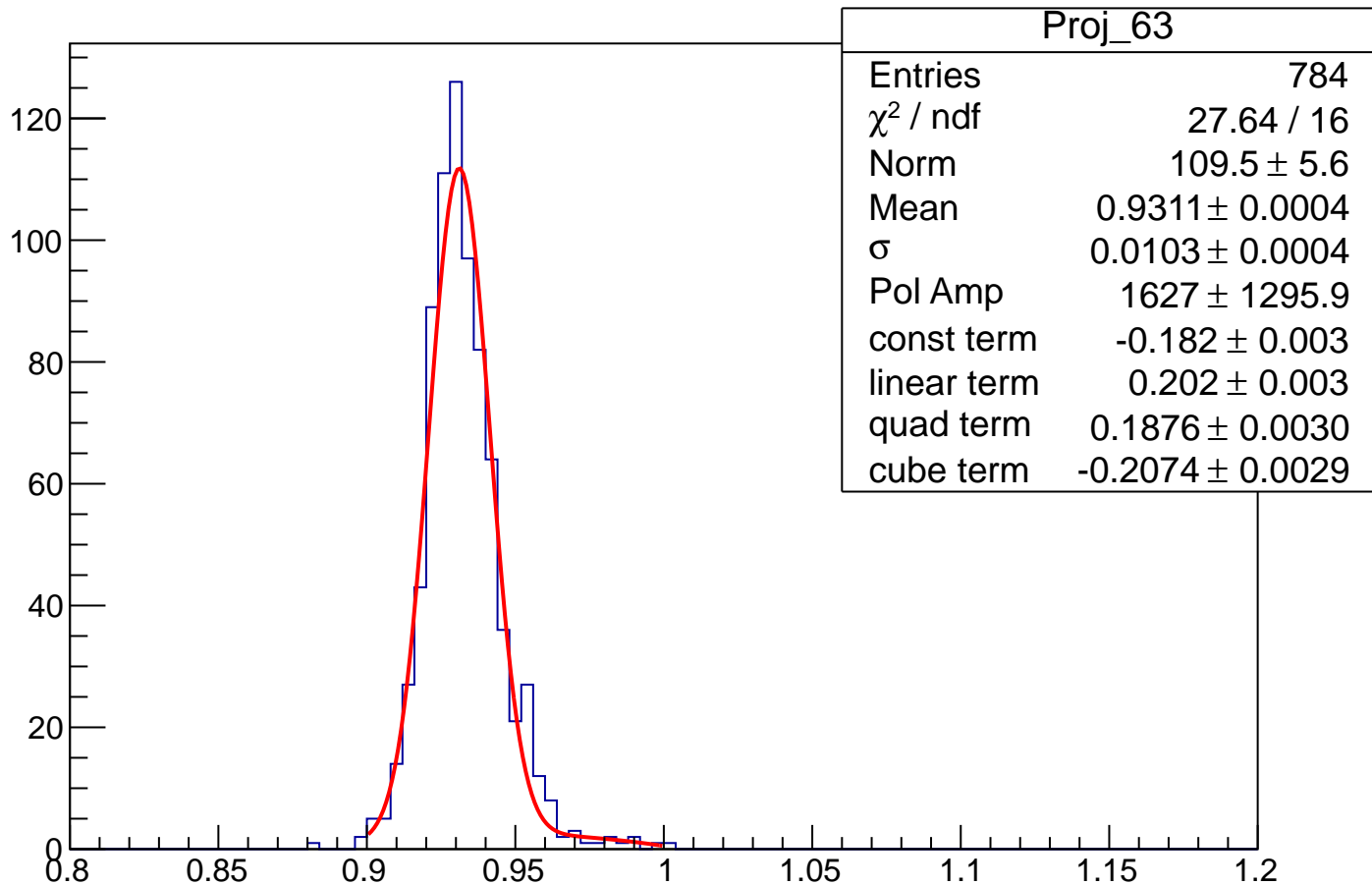
Proj\_61

Entries	510
$\chi^2 / \text{ndf}$	18.64 / 11
Norm	$75.92 \pm 5.07$
Mean	$0.9286 \pm 0.0005$
$\sigma$	$0.008986 \pm 0.000523$
Pol Amp	$701.4 \pm 300.8$
const term	$-1.259 \pm 0.008$
linear term	$1.365 \pm 0.009$
quad term	$1.37 \pm 0.01$
cube term	$-1.48 \pm 0.01$

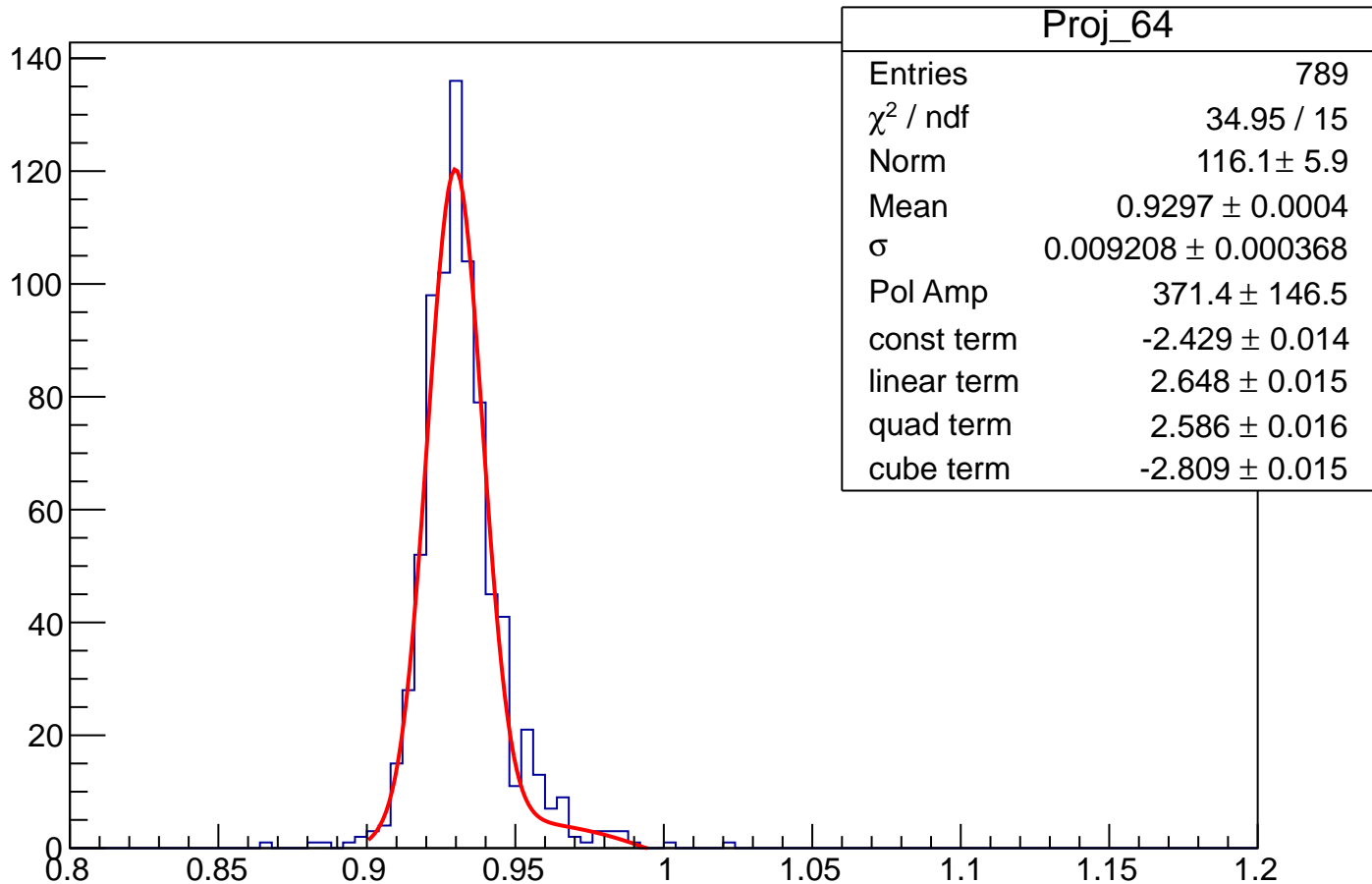
# PhiThetaMassPip



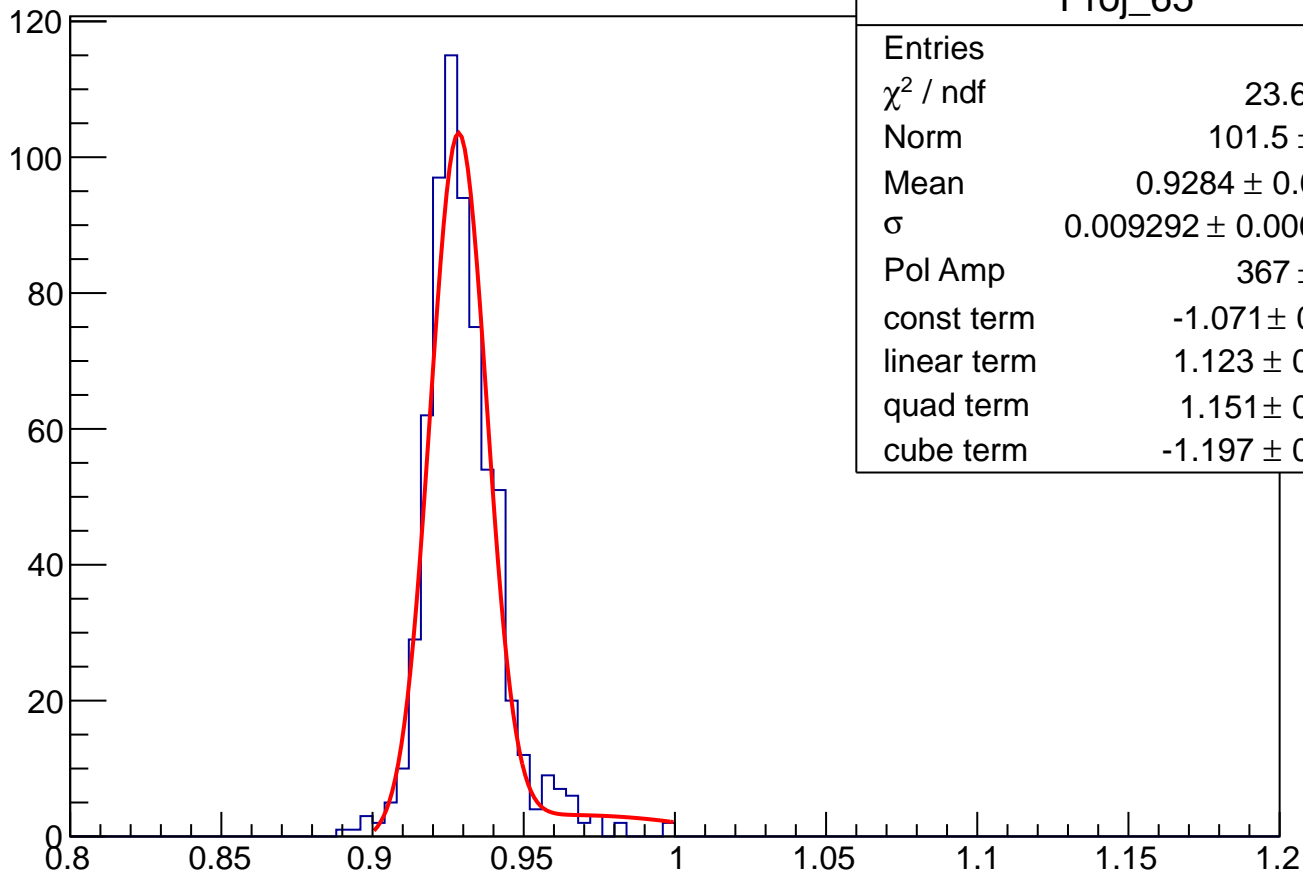
# PhiThetaMassPip



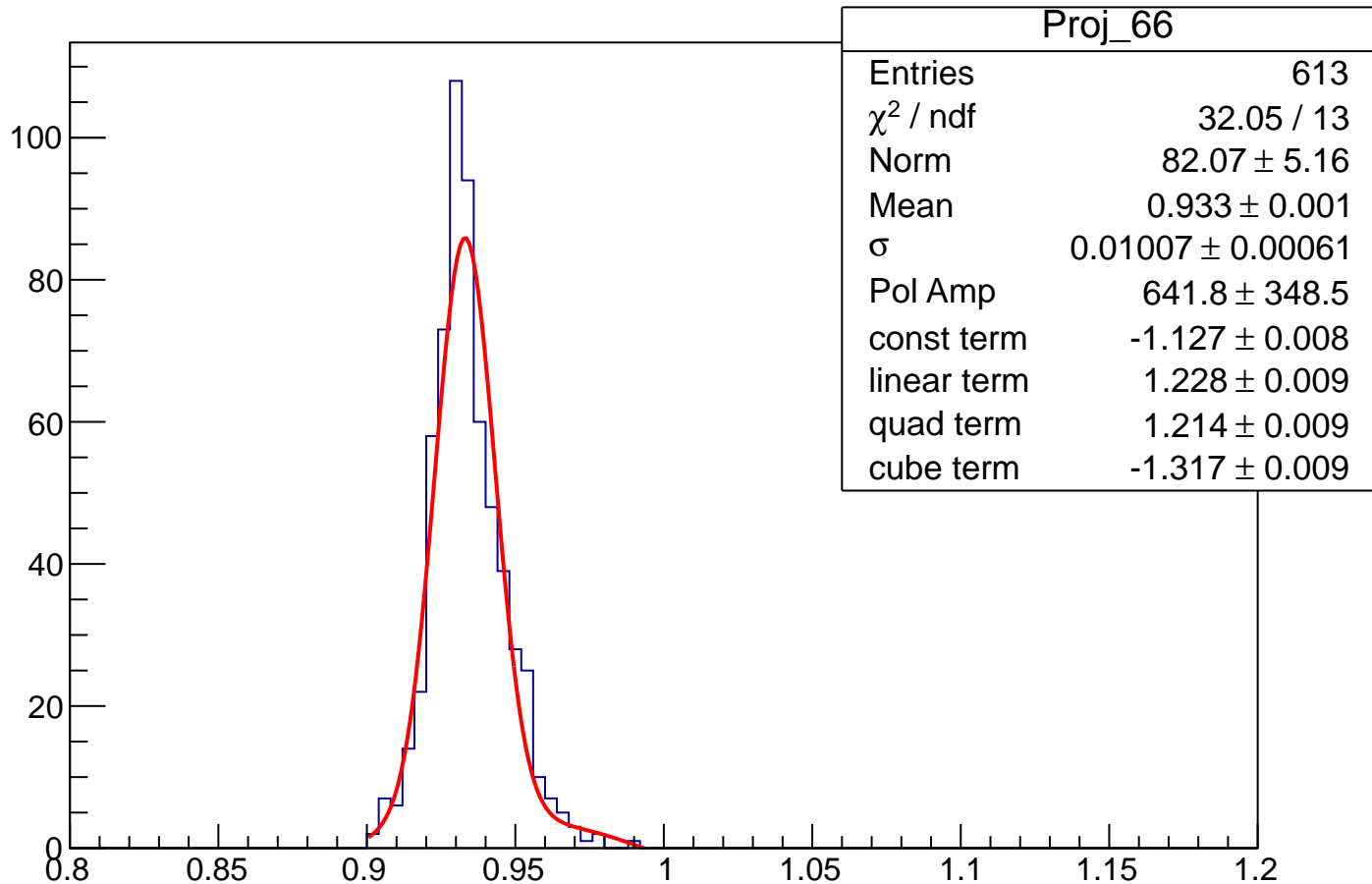
# PhiThetaMassPip



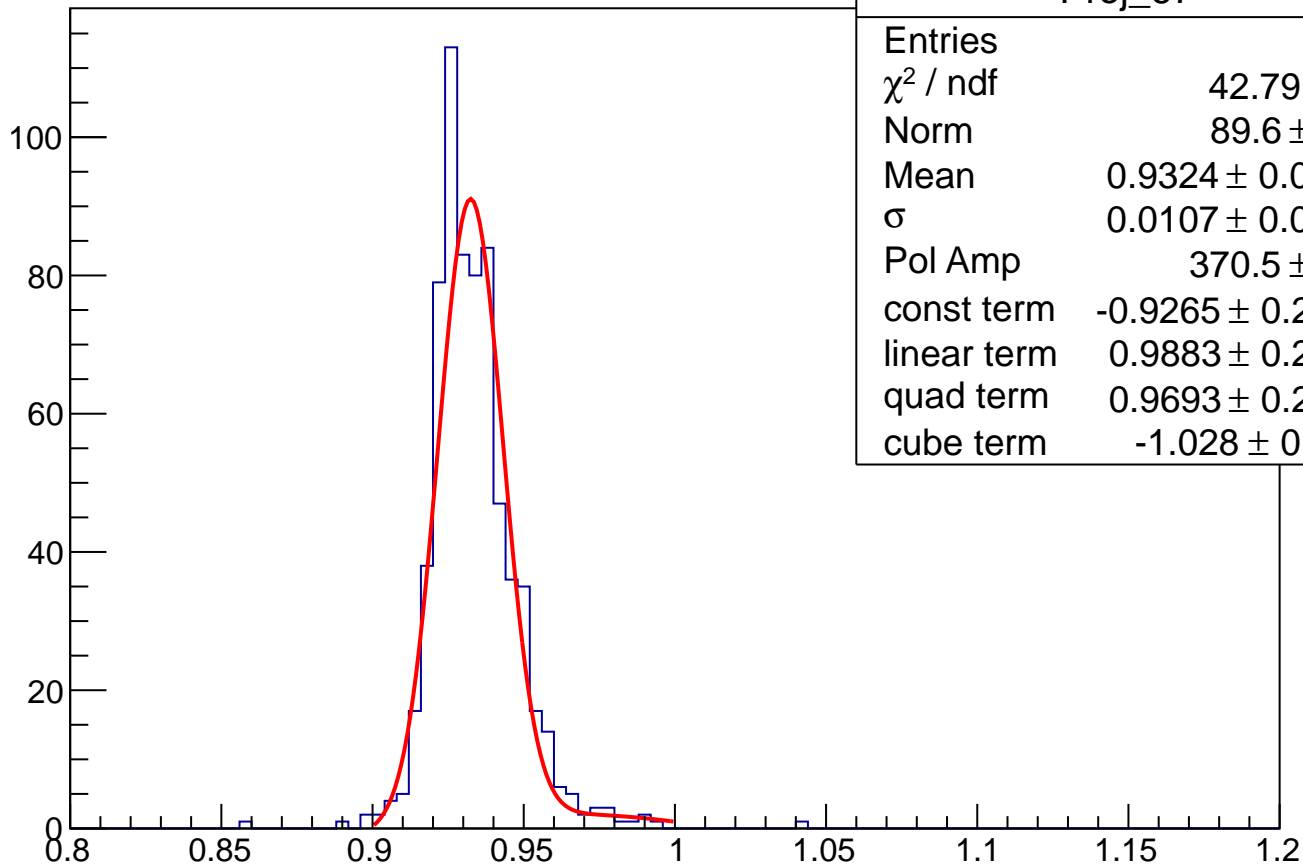
# PhiThetaMassPip



# PhiThetaMassPip



# PhiThetaMassPip

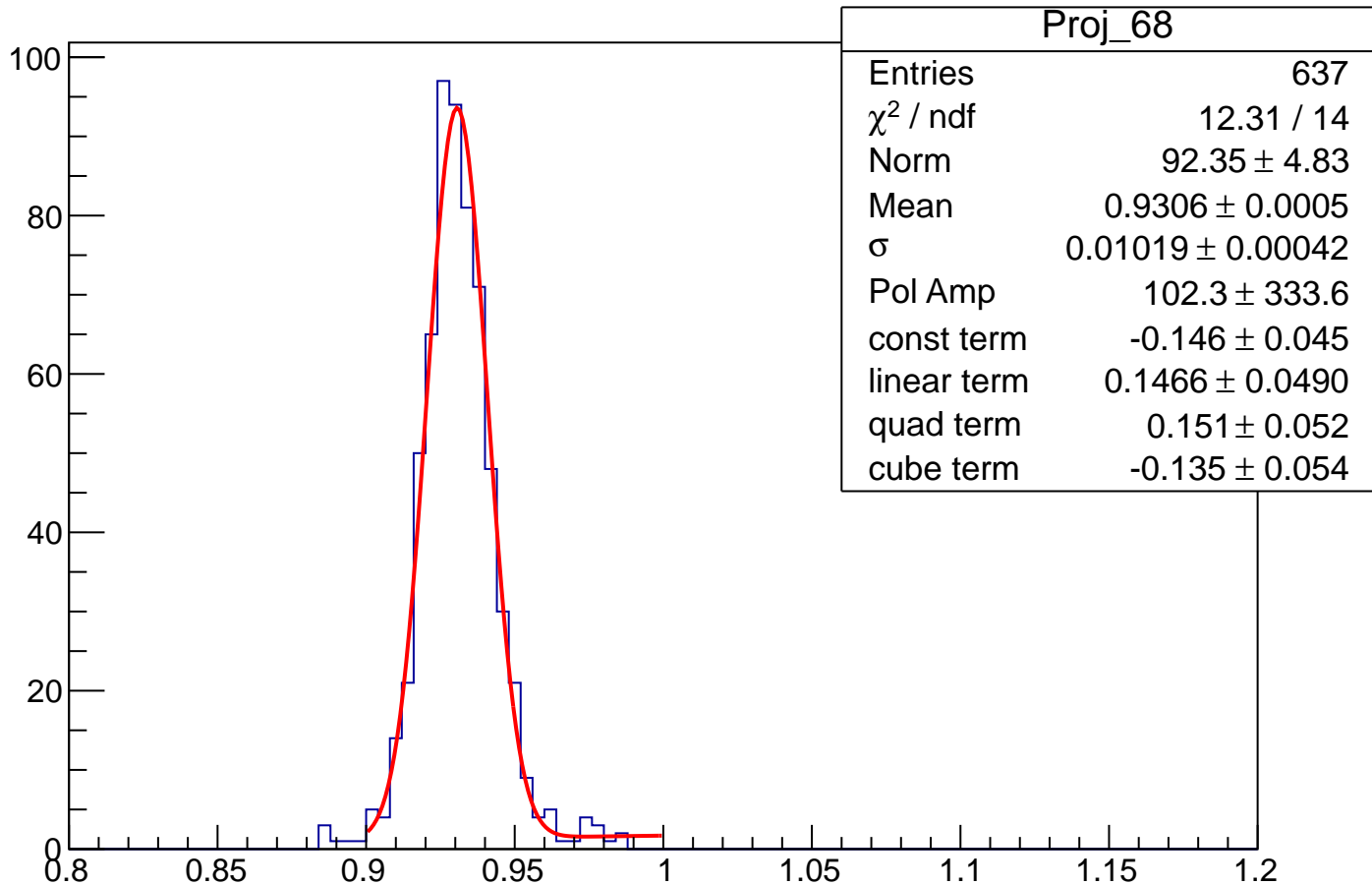


Proj\_67

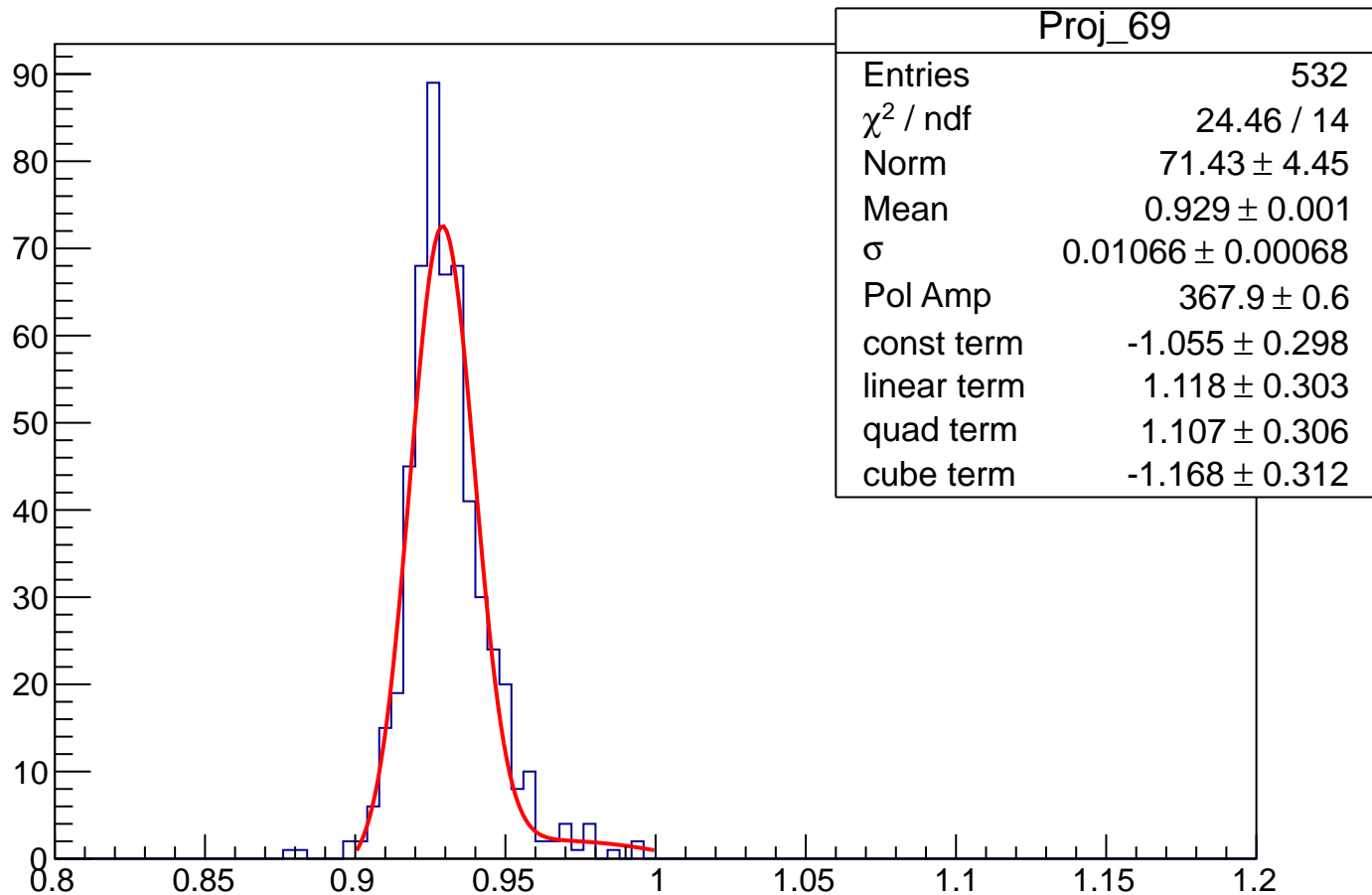
Entries	683
$\chi^2 / \text{ndf}$	42.79 / 16
Norm	$89.6 \pm 5.0$
Mean	$0.9324 \pm 0.0005$
$\sigma$	$0.0107 \pm 0.0005$
Pol Amp	$370.5 \pm 0.3$
const term	$-0.9265 \pm 0.2214$
linear term	$0.9883 \pm 0.2290$
quad term	$0.9693 \pm 0.2276$
cube term	$-1.028 \pm 0.237$



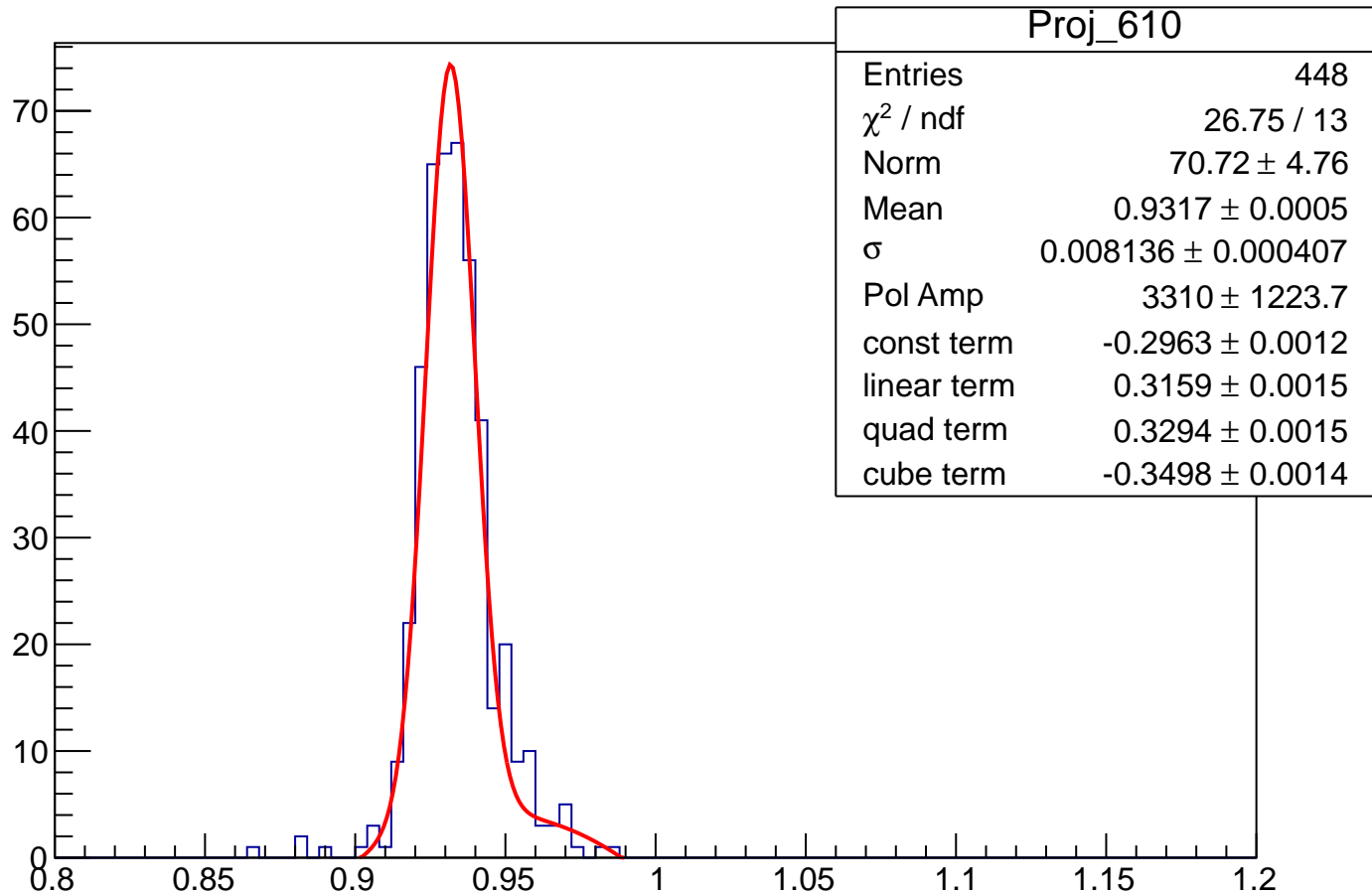
# PhiThetaMassPip



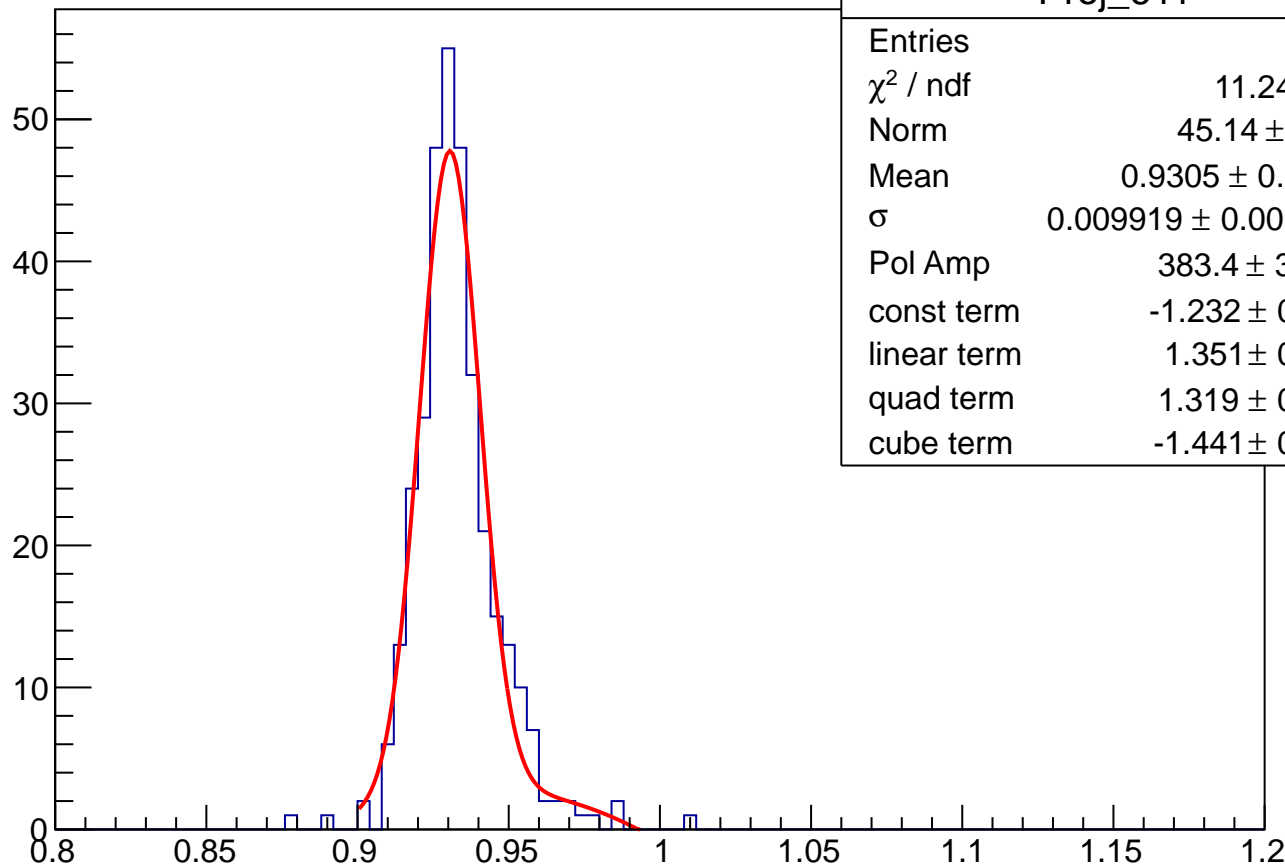
# PhiThetaMassPip



# PhiThetaMassPip



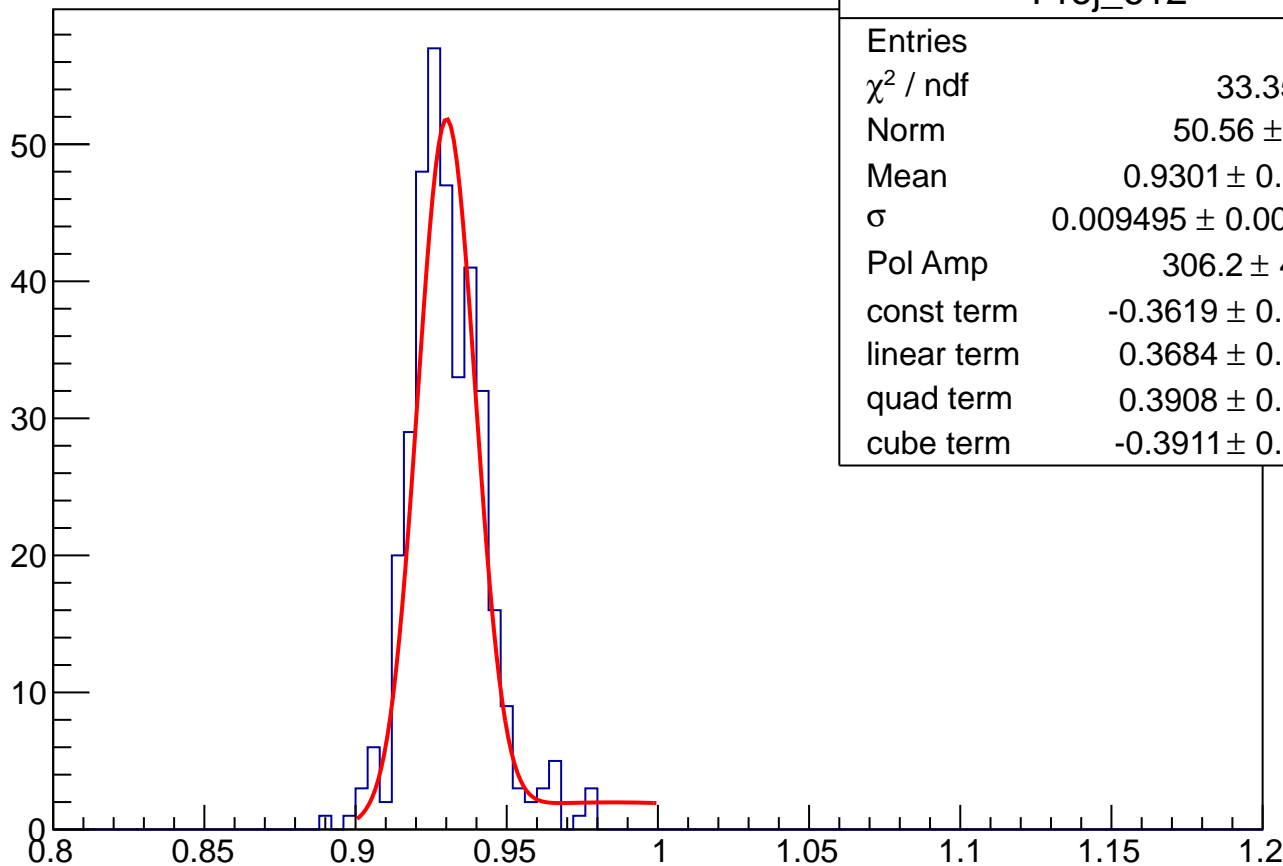
# PhiThetaMassPip



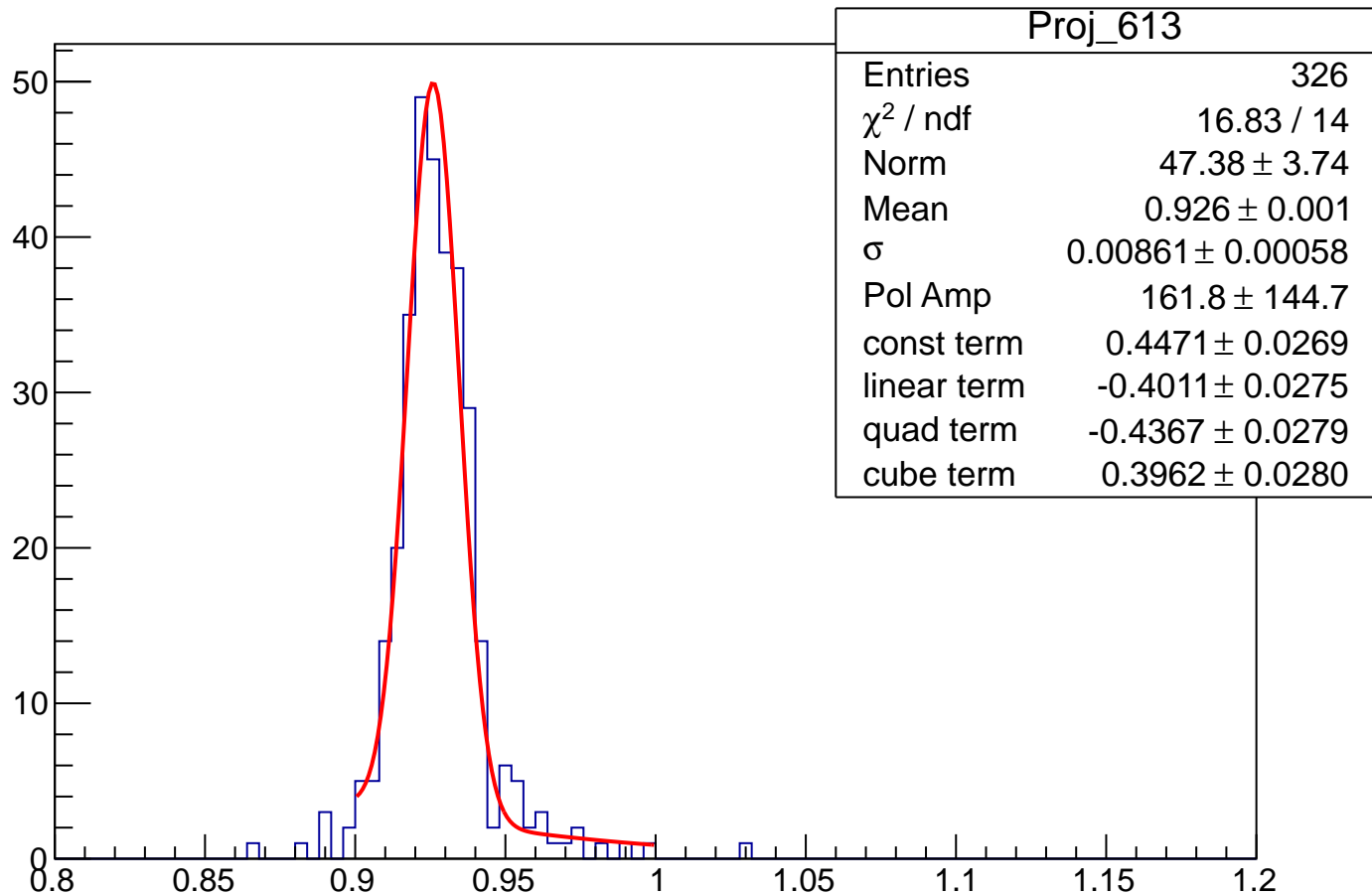
Proj\_611

Entries	336
$\chi^2 / \text{ndf}$	11.24 / 12
Norm	$45.14 \pm 3.90$
Mean	$0.9305 \pm 0.0007$
$\sigma$	$0.009919 \pm 0.000853$
Pol Amp	$383.4 \pm 355.8$
const term	$-1.232 \pm 0.012$
linear term	$1.351 \pm 0.014$
quad term	$1.319 \pm 0.014$
cube term	$-1.441 \pm 0.014$

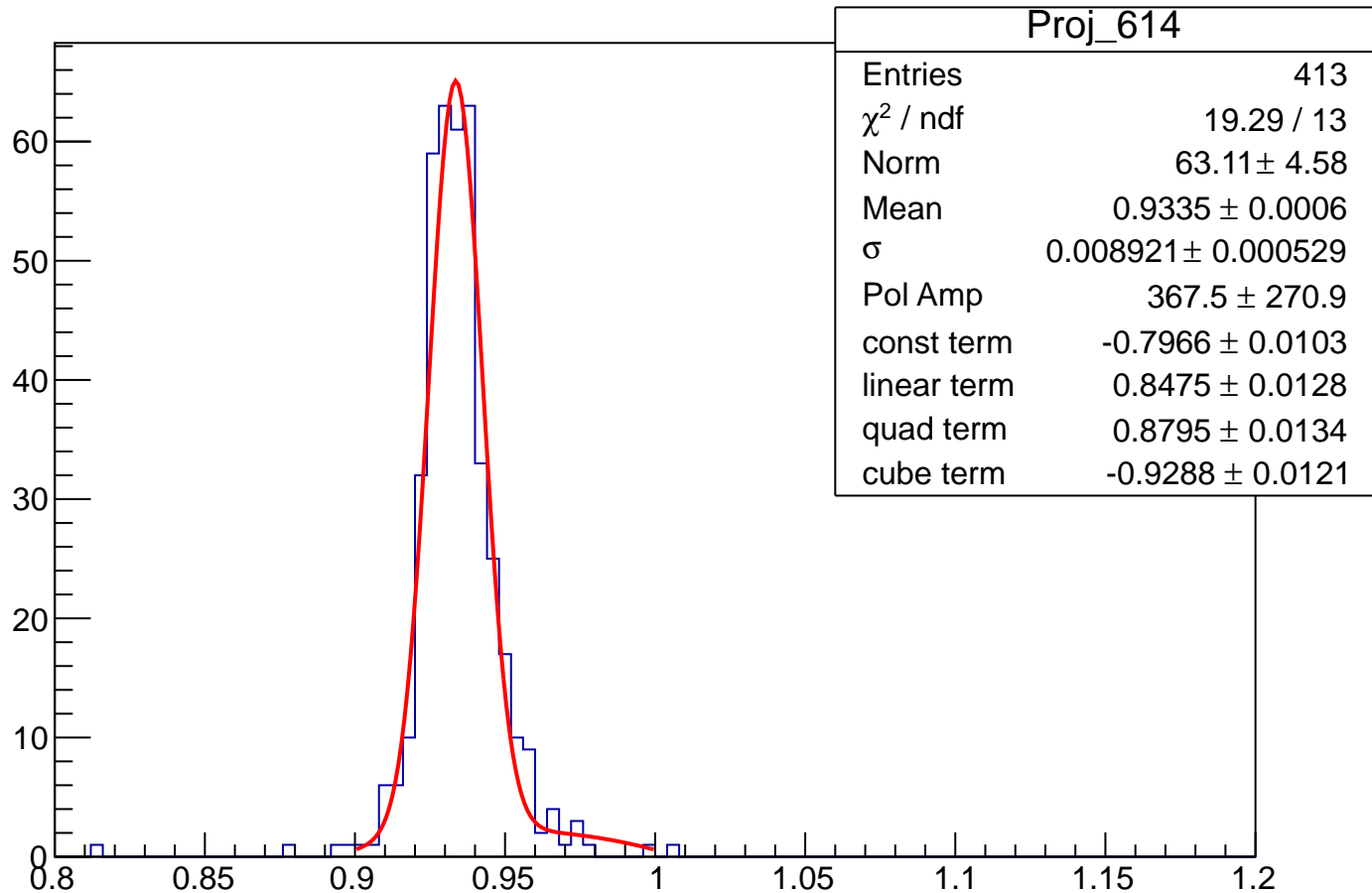
# PhiThetaMassPip



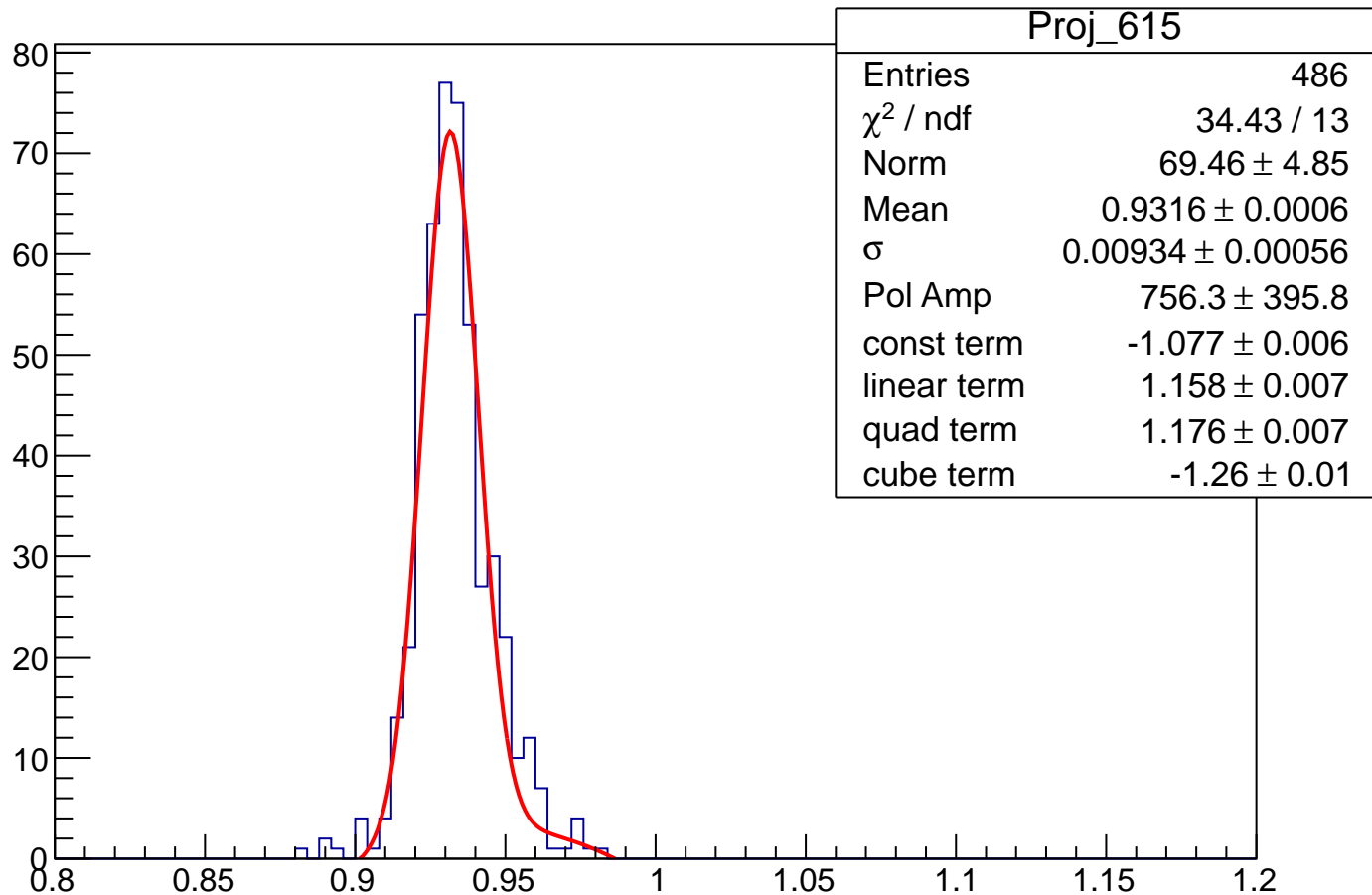
# PhiThetaMassPip



# PhiThetaMassPip

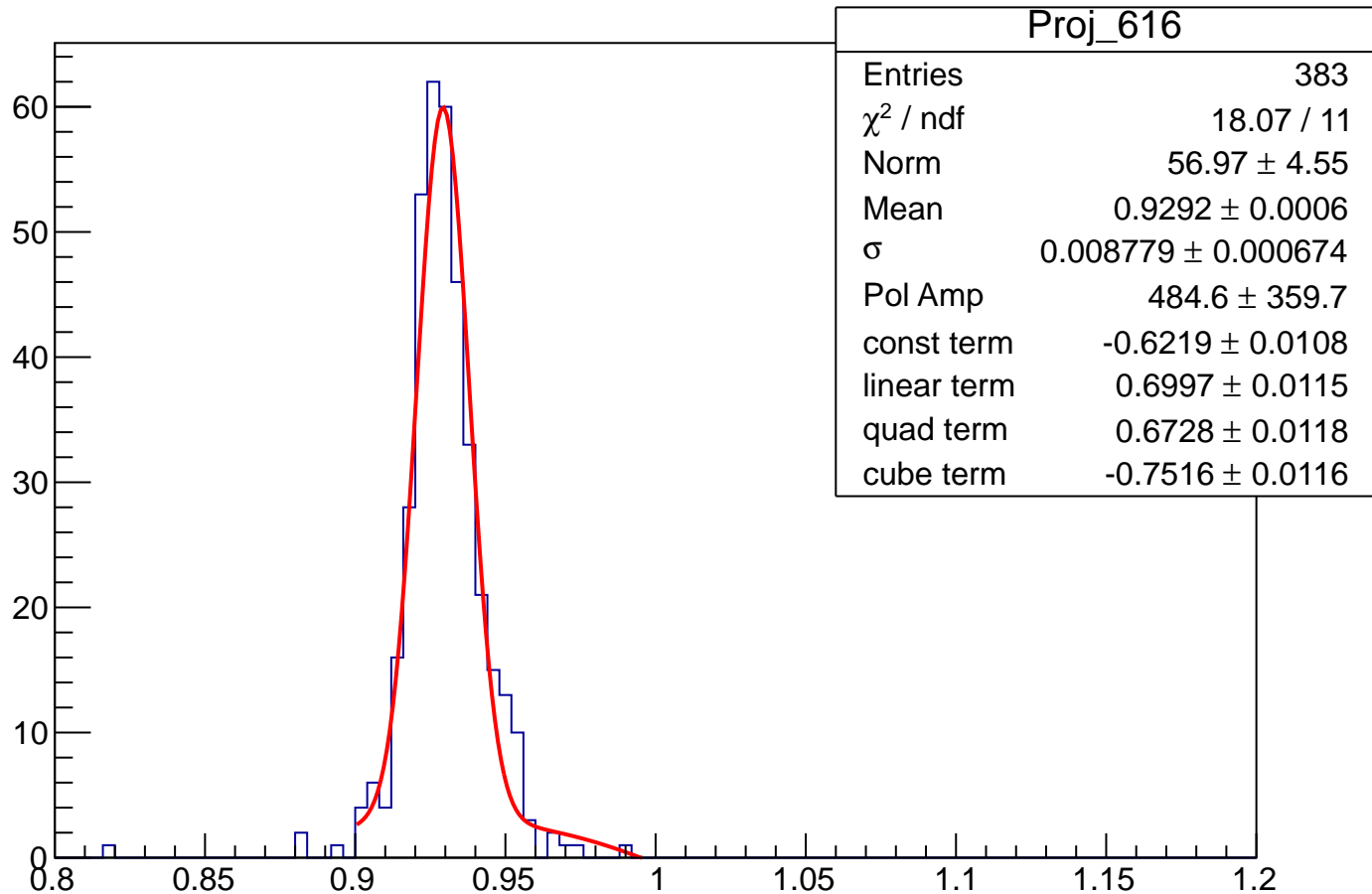


# PhiThetaMassPip

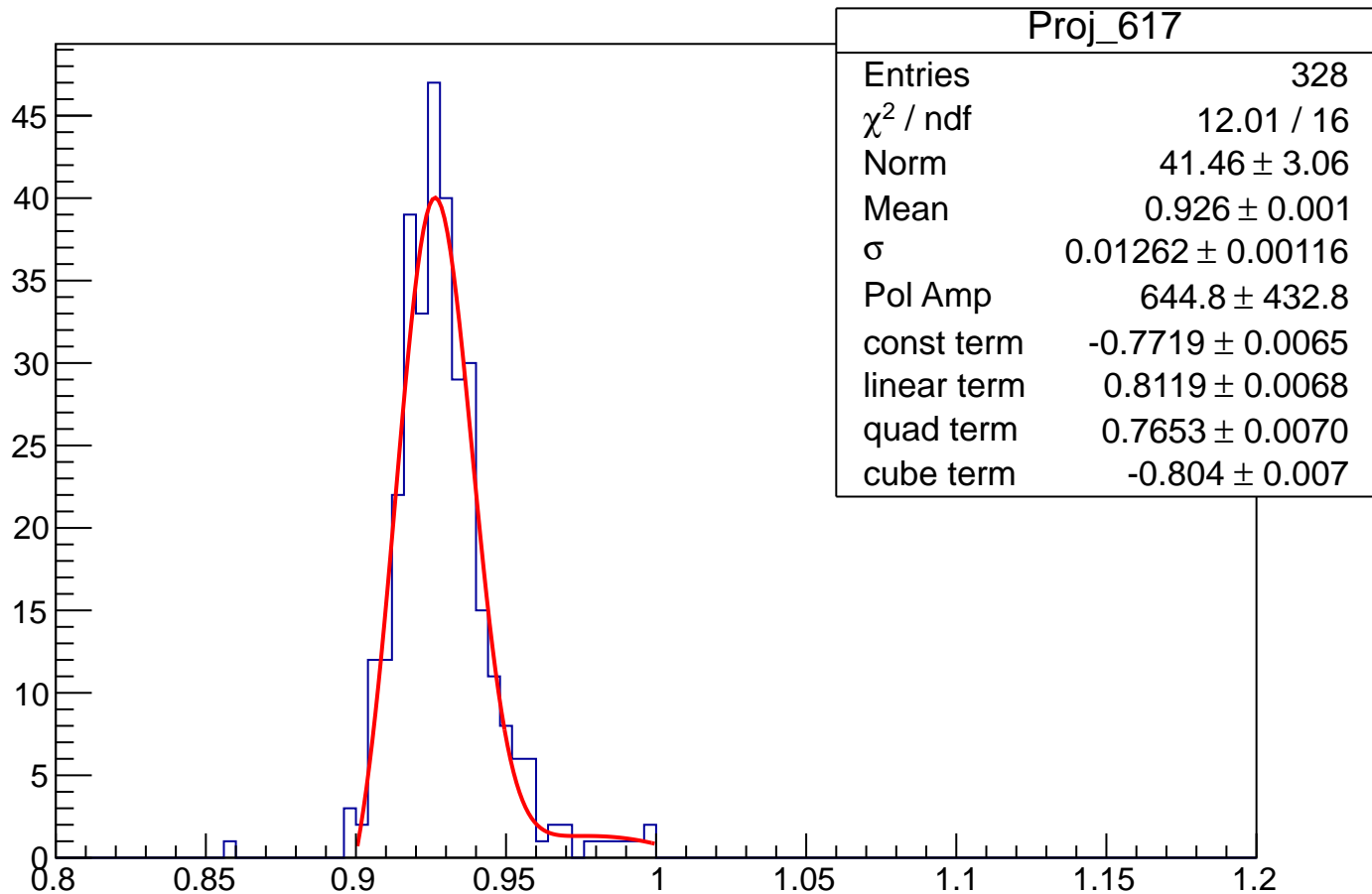




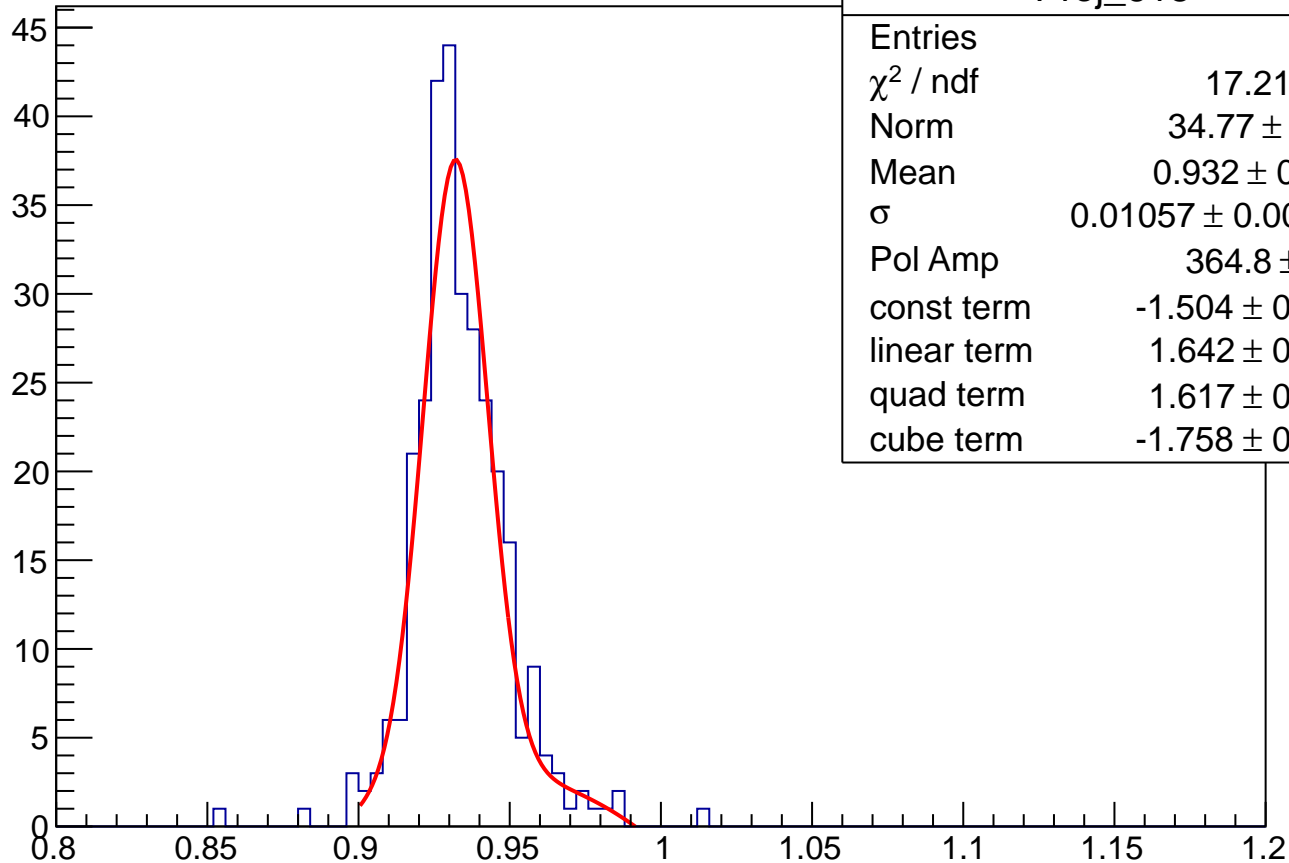
# PhiThetaMassPip



# PhiThetaMassPip



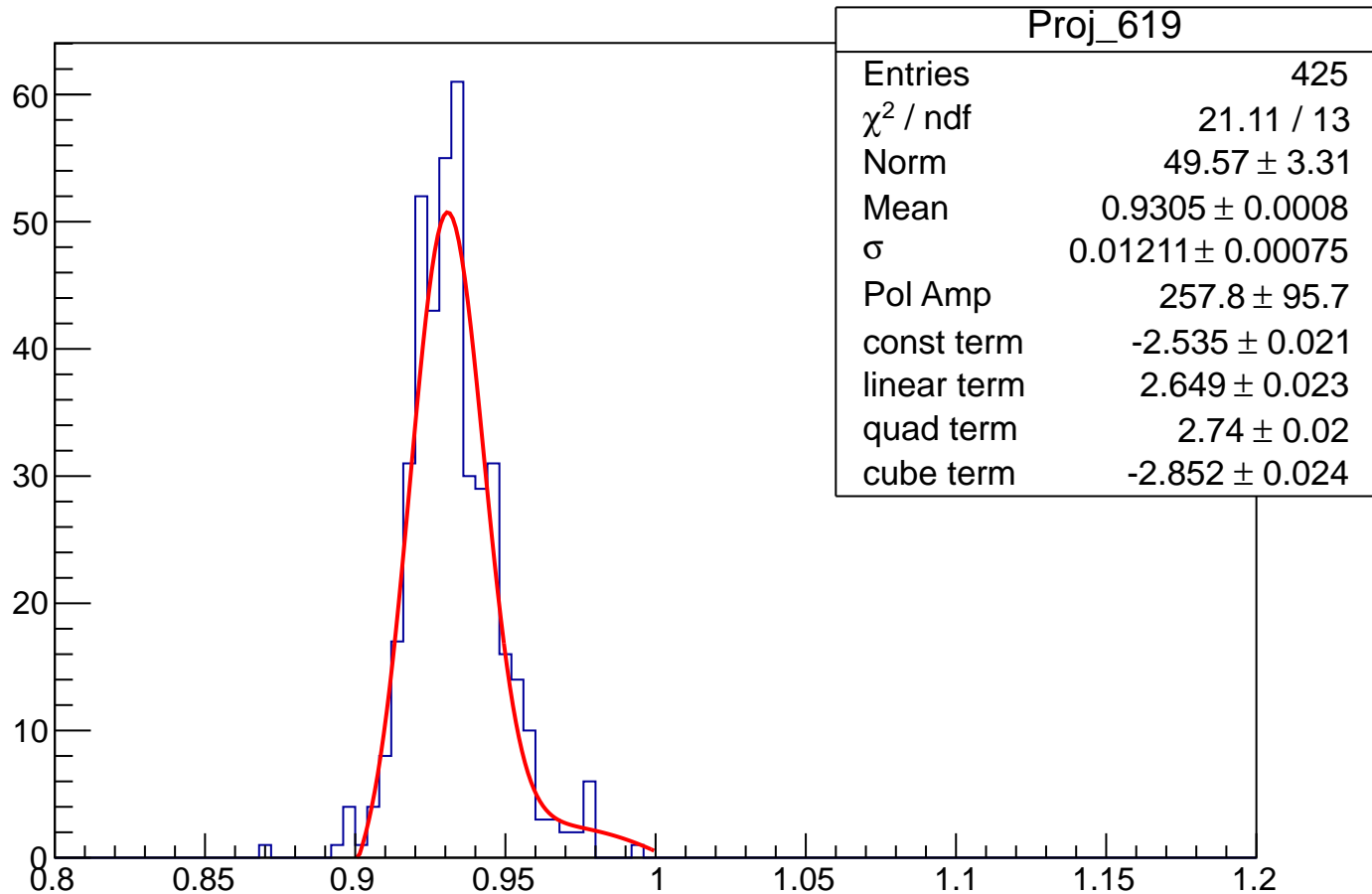
# PhiThetaMassPip



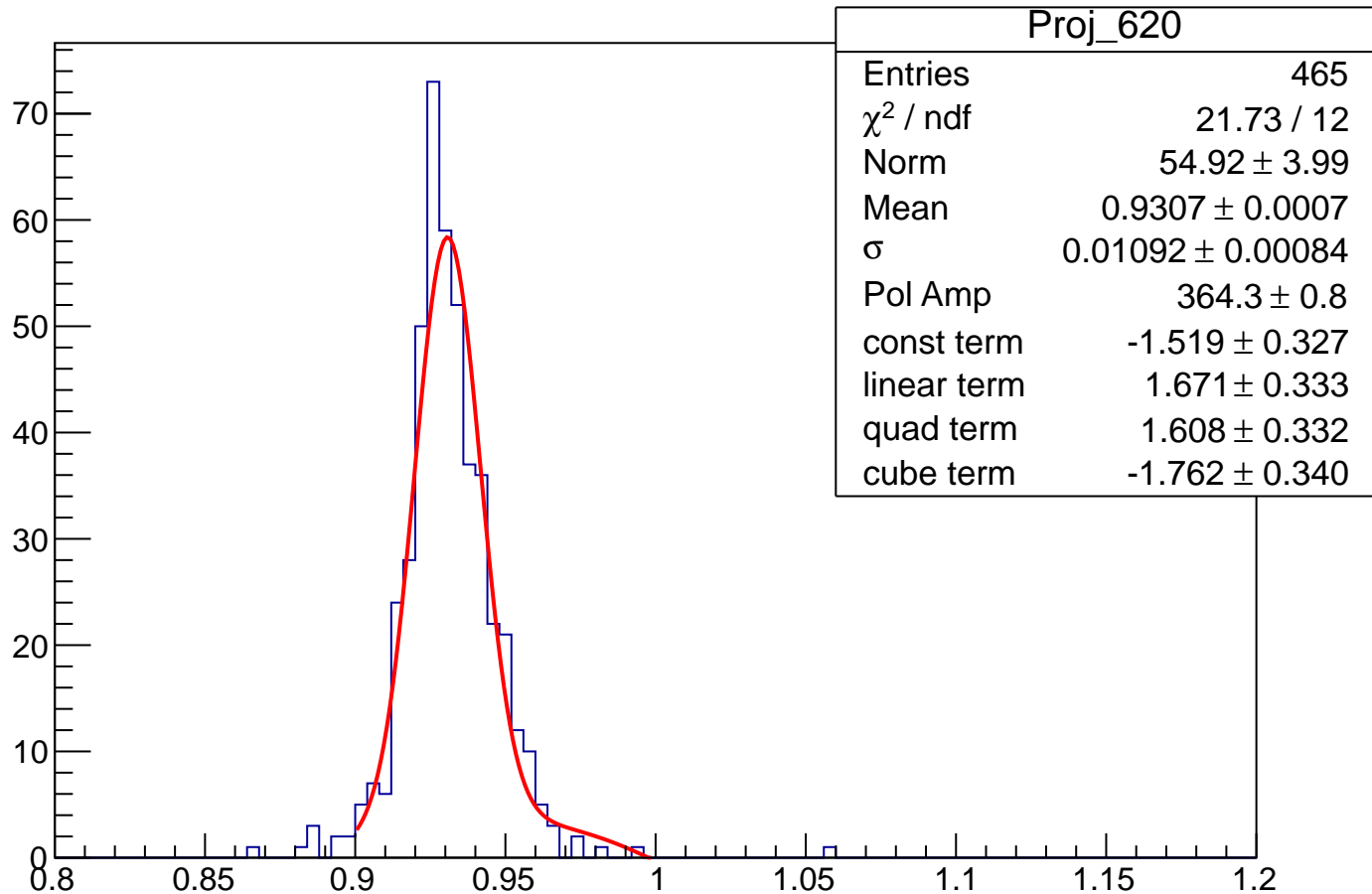
Proj\_618

Entries	300
$\chi^2 / \text{ndf}$	17.21 / 14
Norm	$34.77 \pm 3.18$
Mean	$0.932 \pm 0.001$
$\sigma$	$0.01057 \pm 0.00075$
Pol Amp	$364.8 \pm 0.8$
const term	$-1.504 \pm 0.377$
linear term	$1.642 \pm 0.400$
quad term	$1.617 \pm 0.399$
cube term	$-1.758 \pm 0.424$

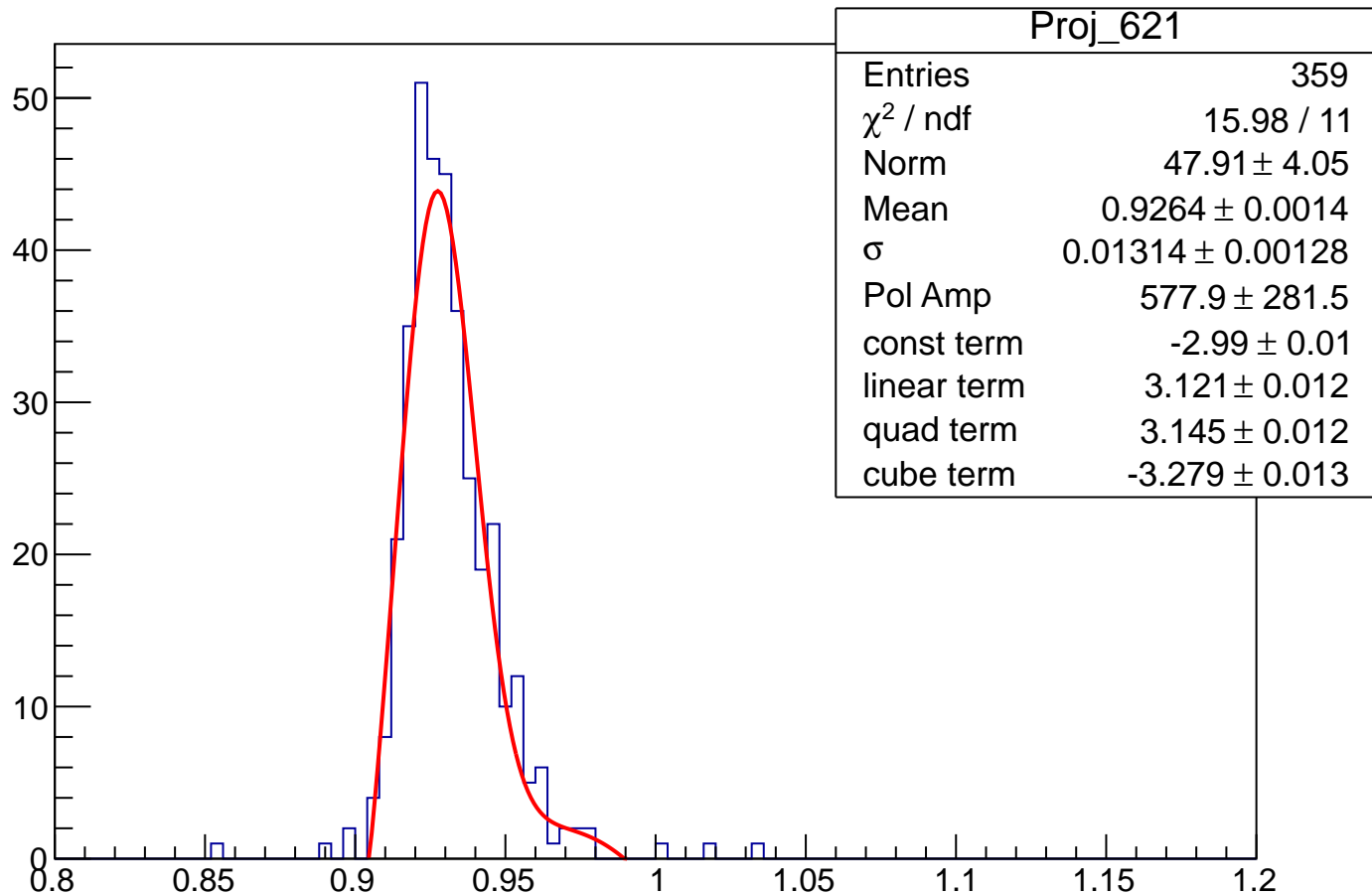
# PhiThetaMassPip



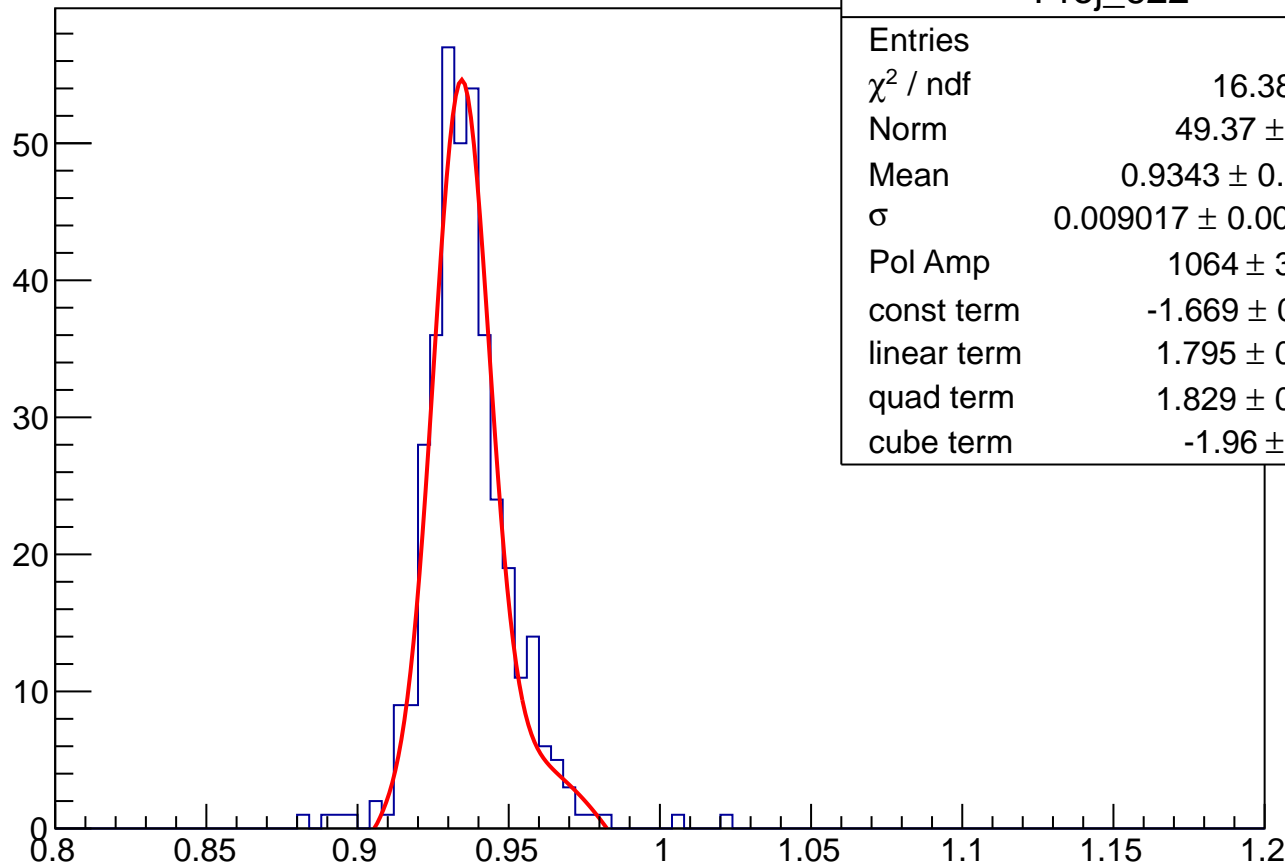
# PhiThetaMassPip



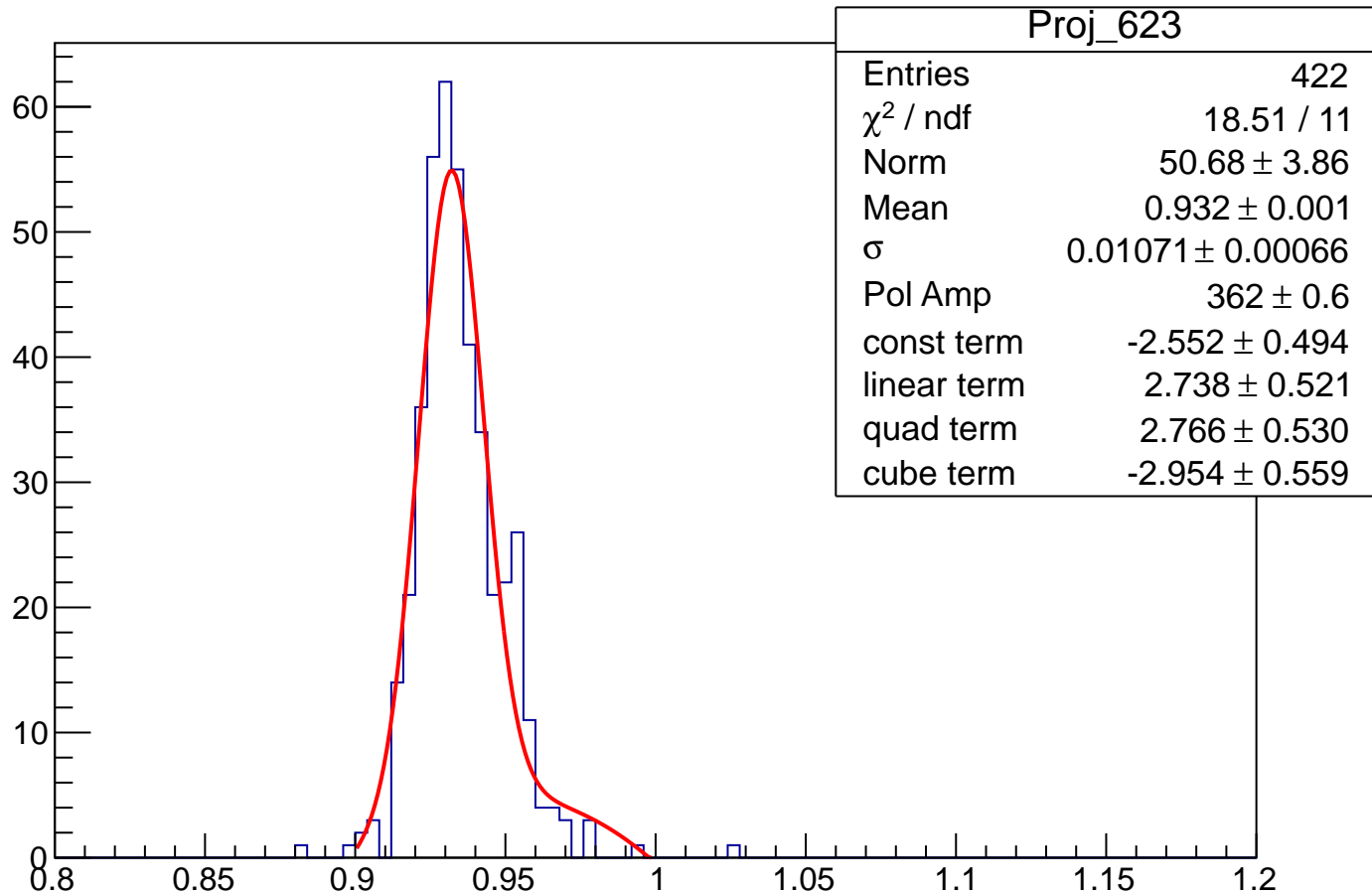
# PhiThetaMassPip



# PhiThetaMassPip

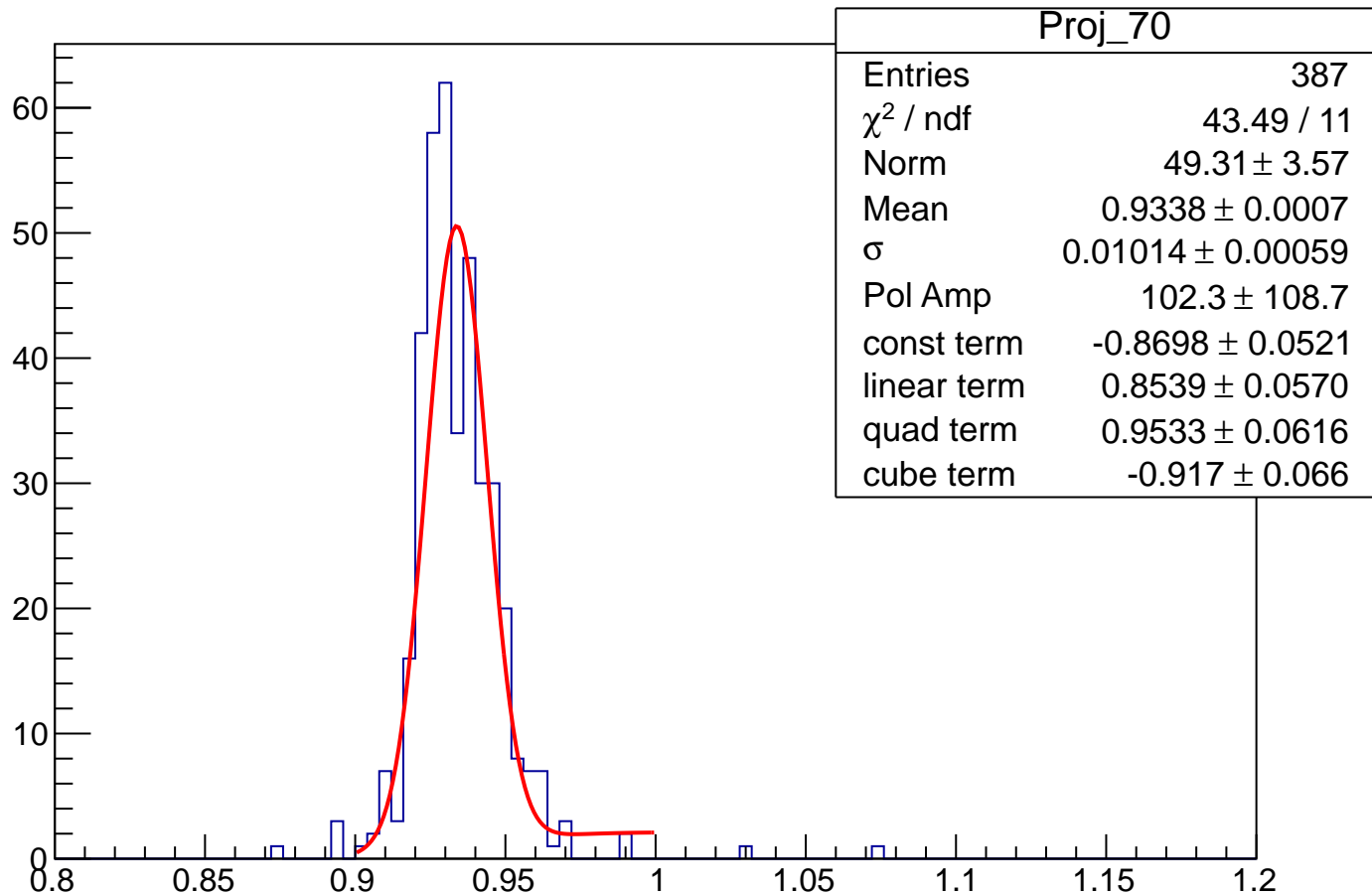


# PhiThetaMassPip

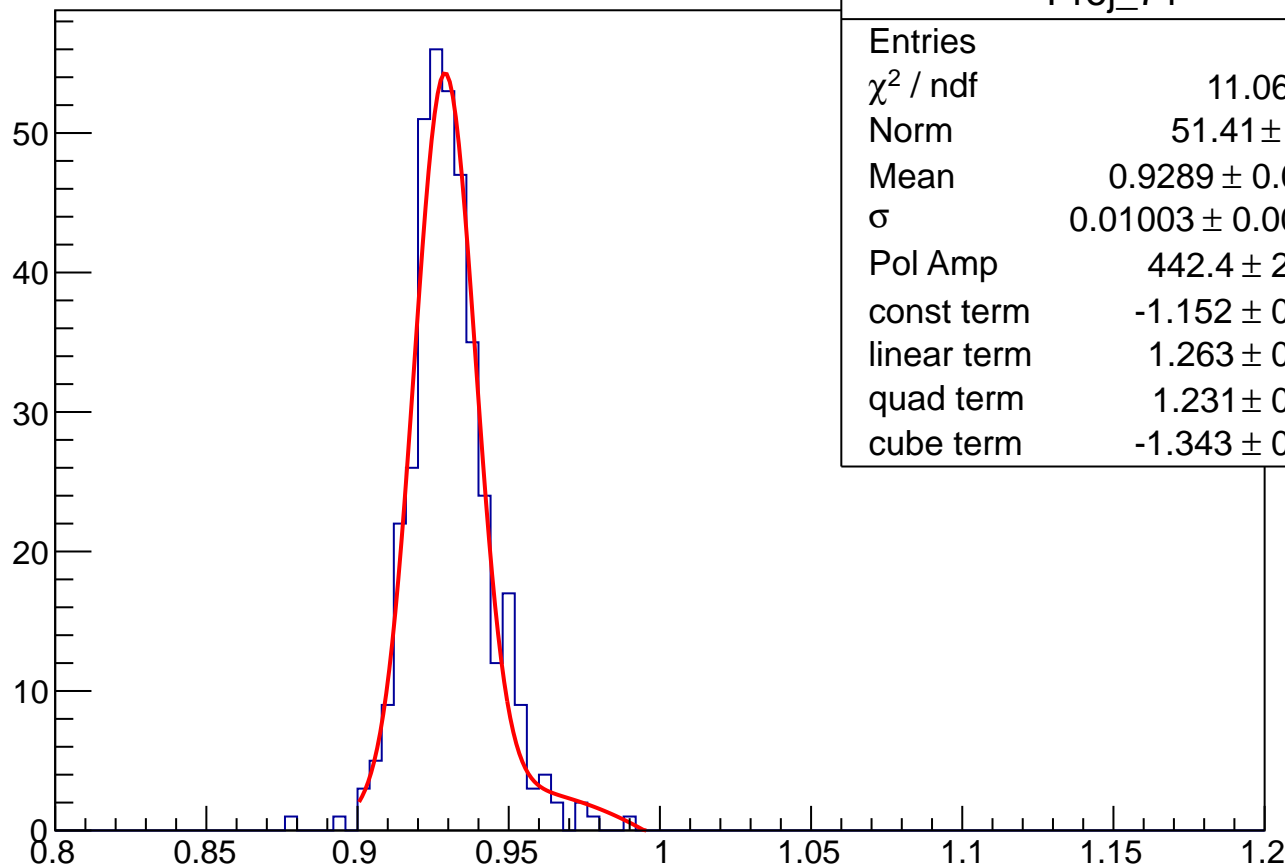




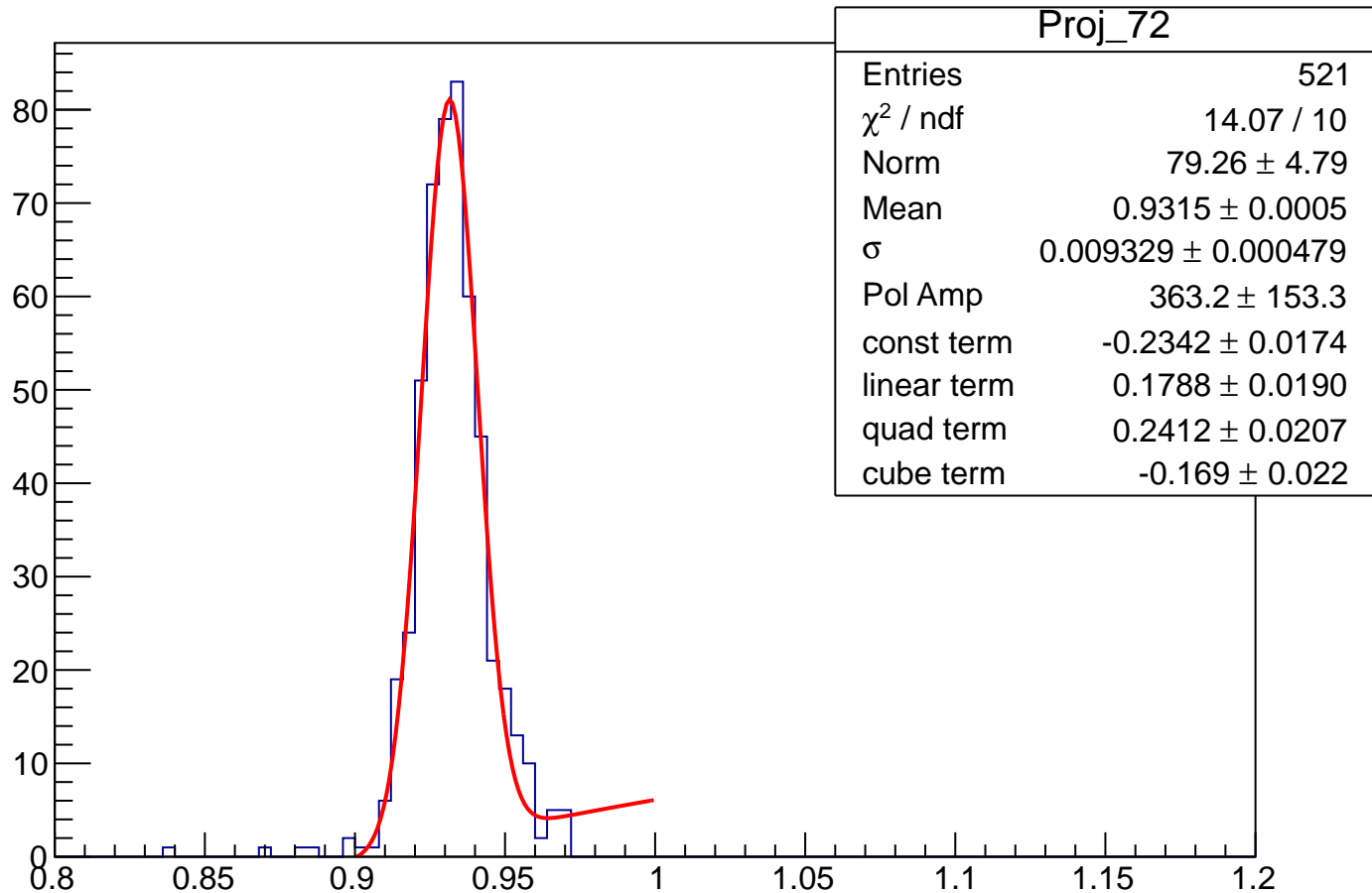
# PhiThetaMassPip



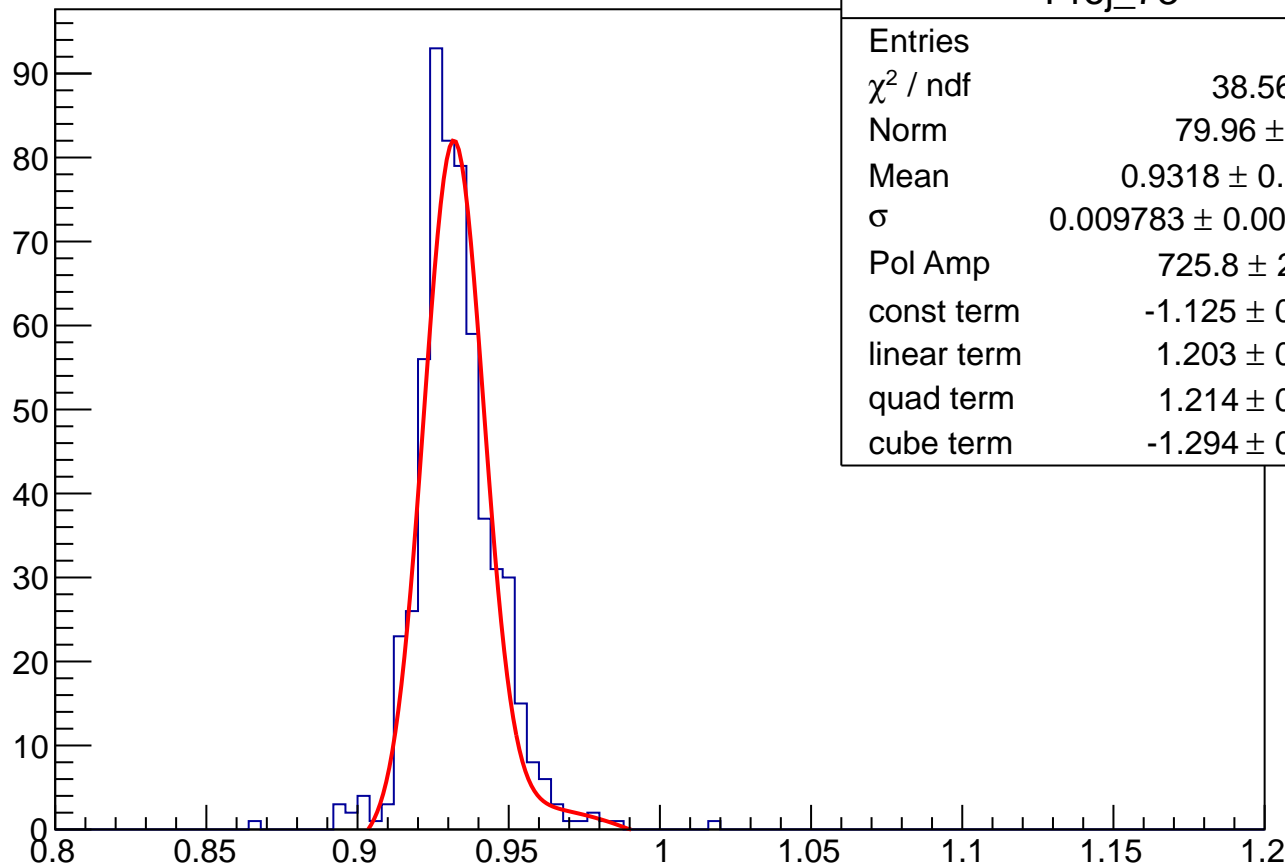
# PhiThetaMassPip



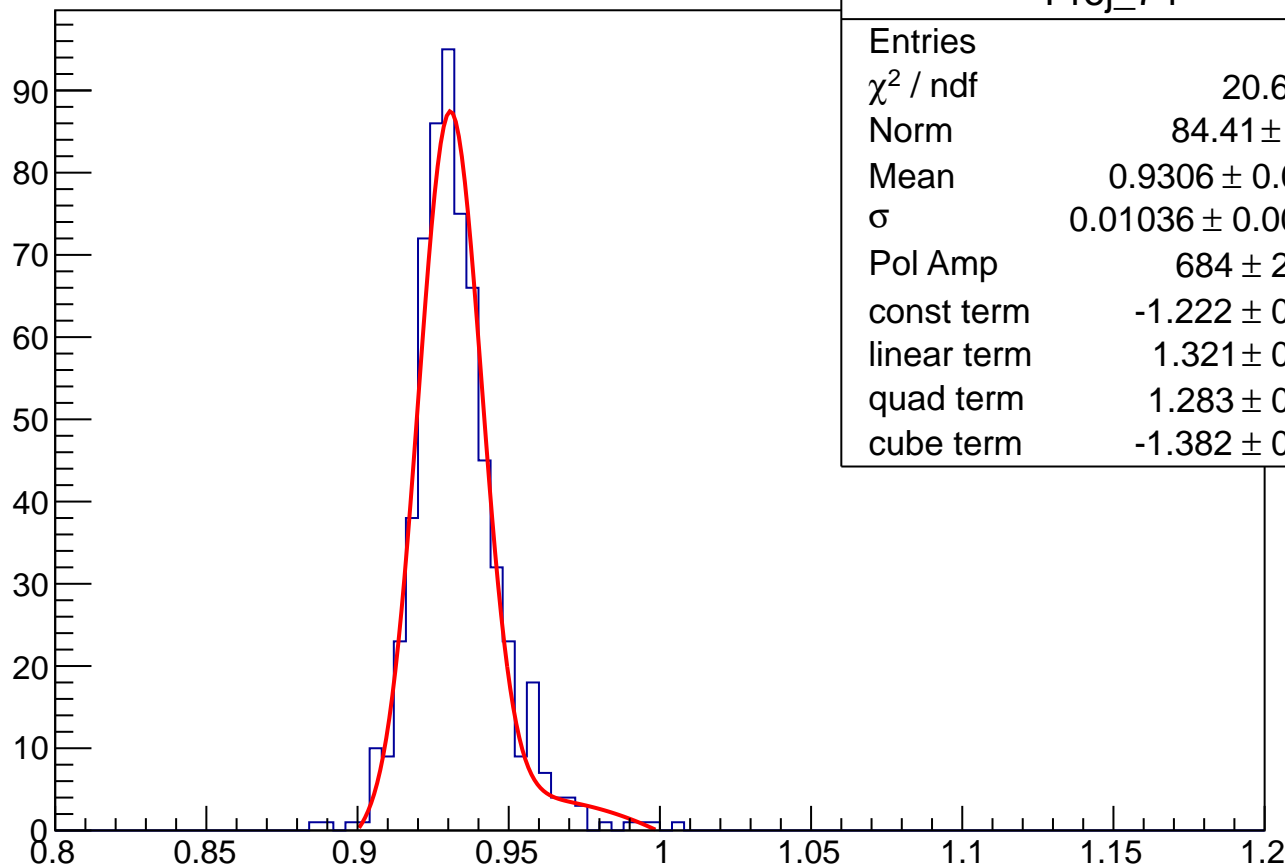
# PhiThetaMassPip



# PhiThetaMassPip



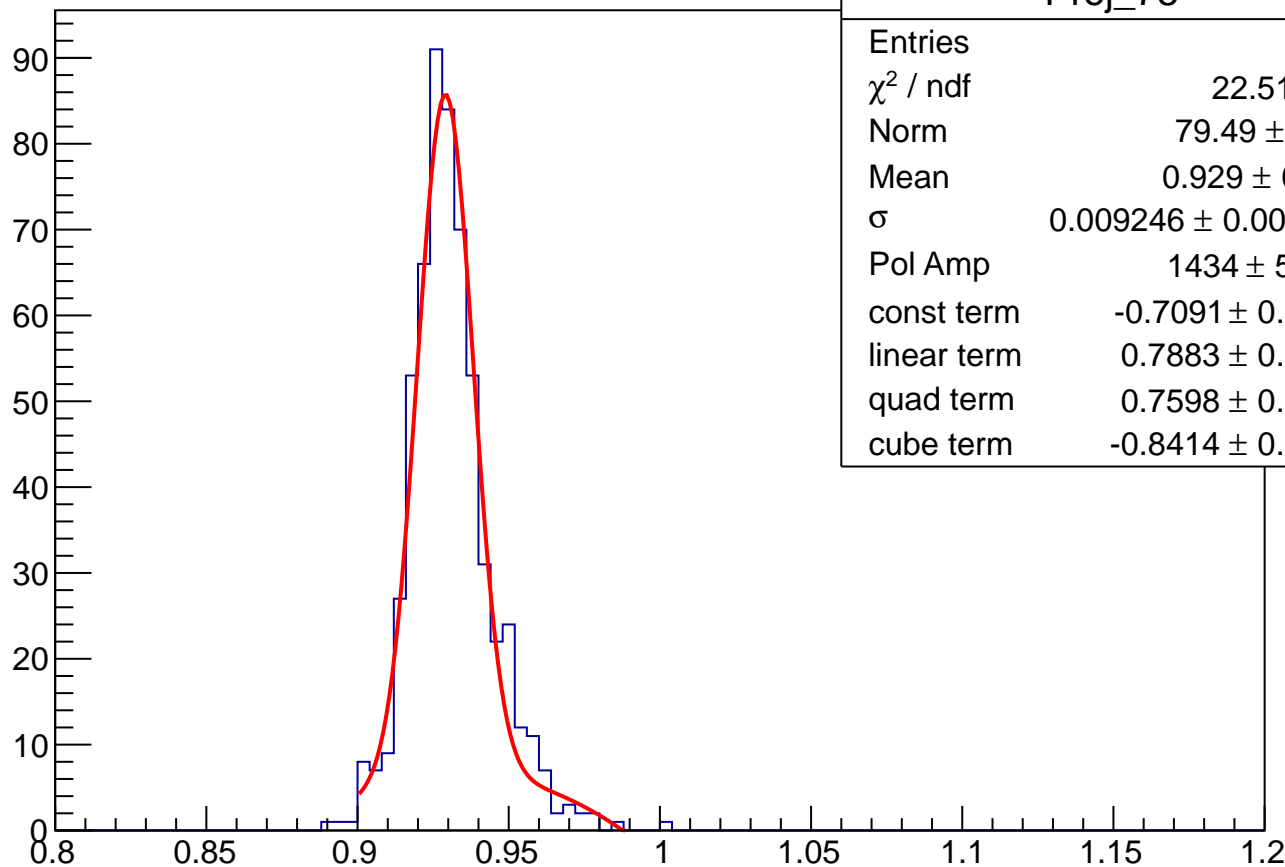
# PhiThetaMassPip



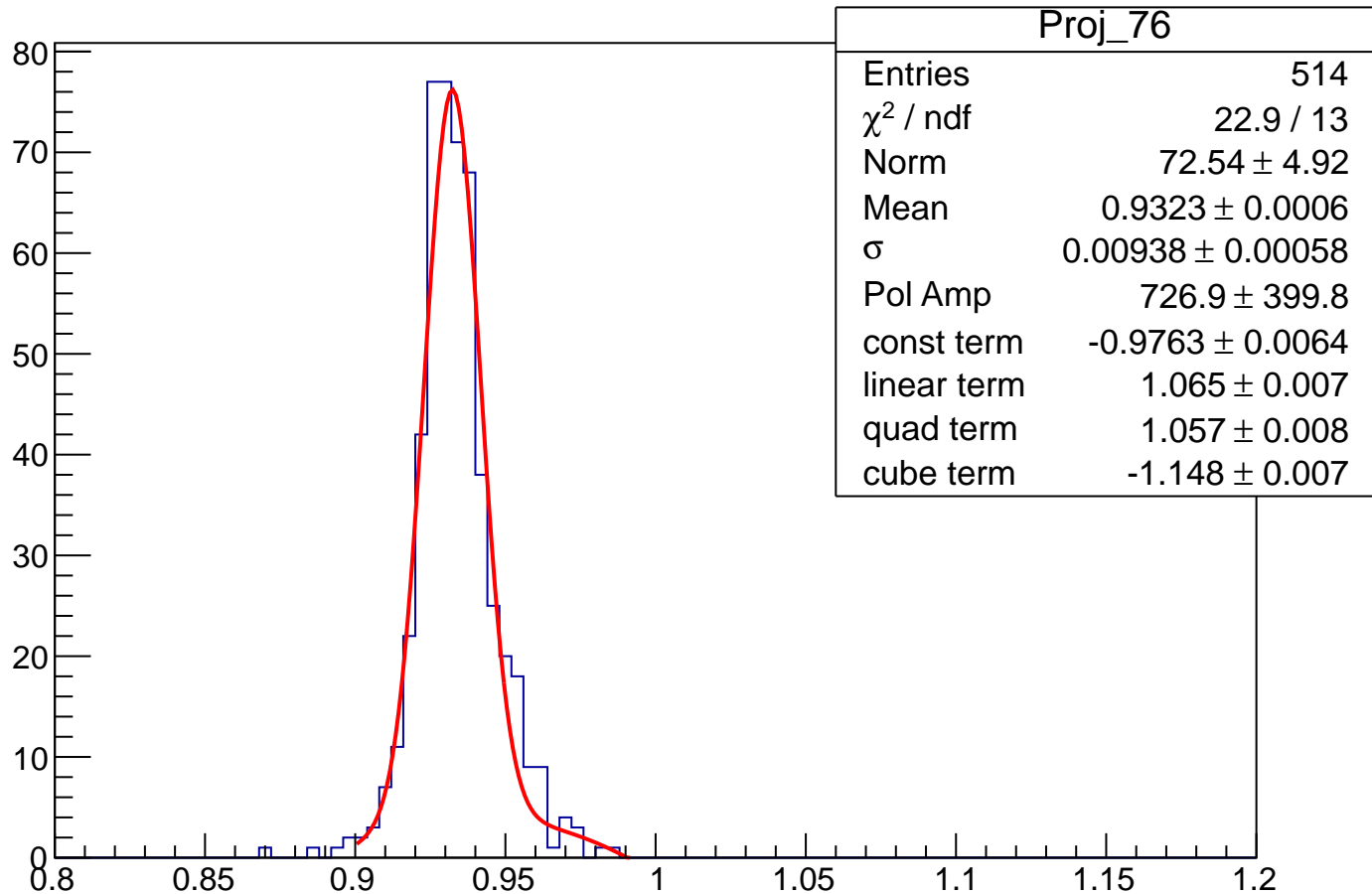
Proj\_74

Entries	628
$\chi^2 / \text{ndf}$	20.6 / 15
Norm	$84.41 \pm 4.83$
Mean	$0.9306 \pm 0.0005$
$\sigma$	$0.01036 \pm 0.00048$
Pol Amp	$684 \pm 209.4$
const term	$-1.222 \pm 0.006$
linear term	$1.321 \pm 0.007$
quad term	$1.283 \pm 0.007$
cube term	$-1.382 \pm 0.007$

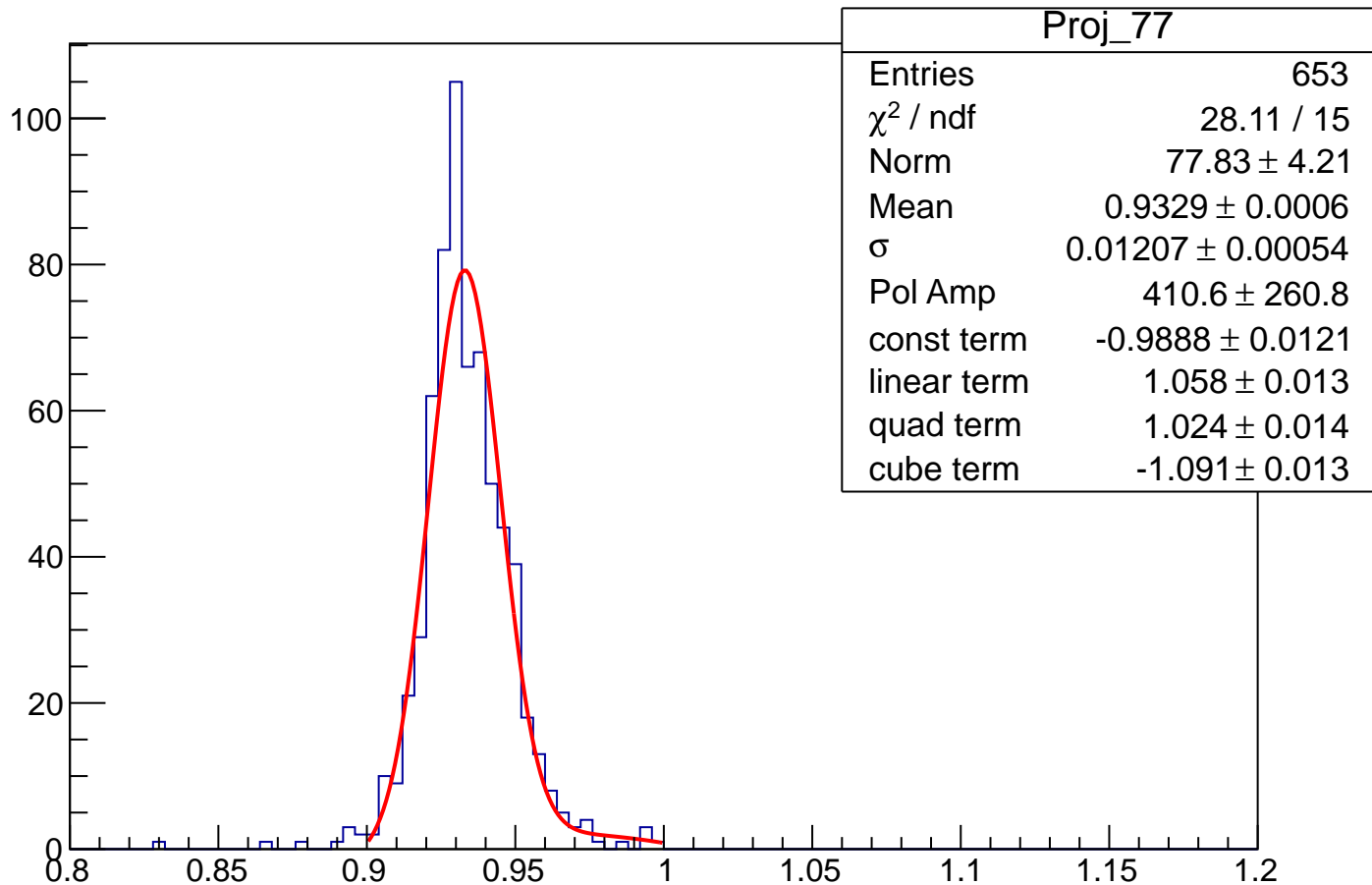
# PhiThetaMassPip



# PhiThetaMassPip

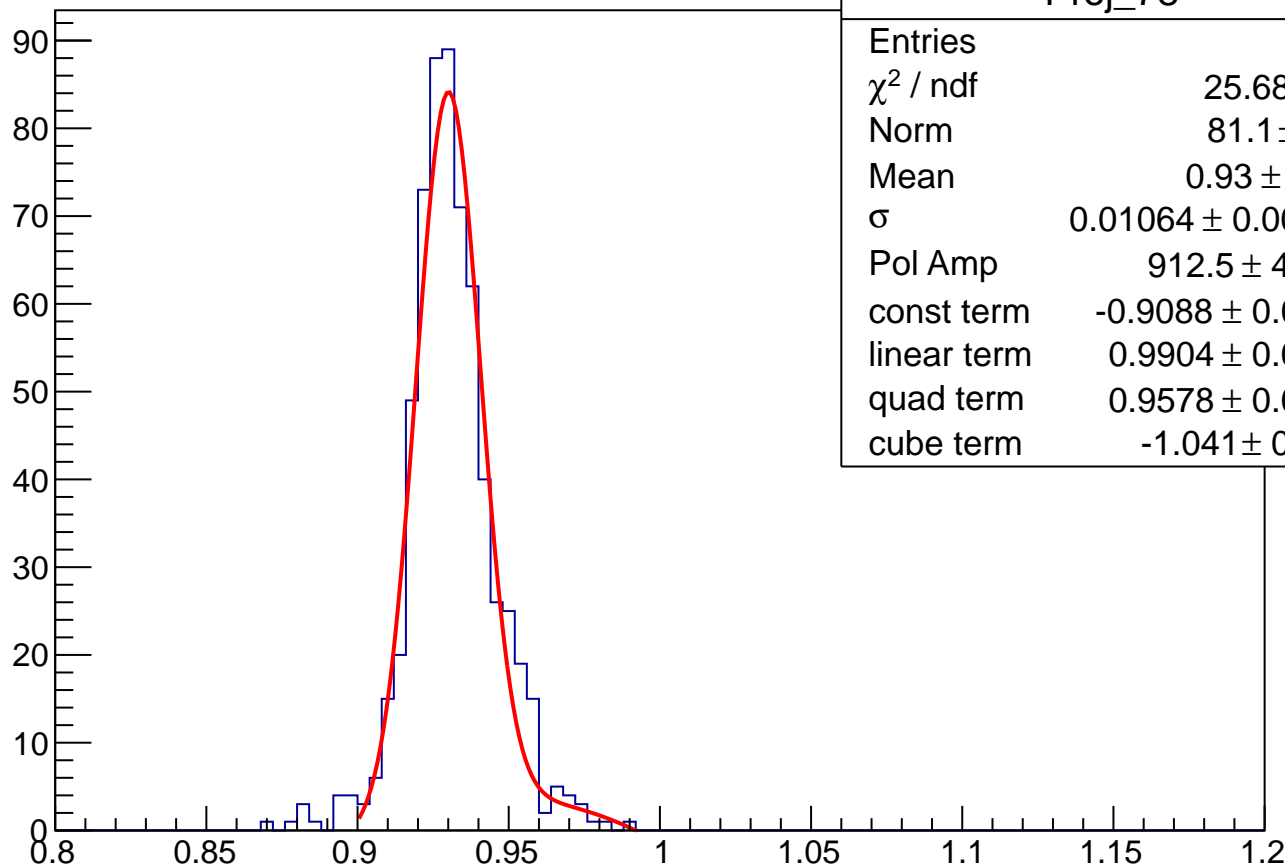


# PhiThetaMassPip

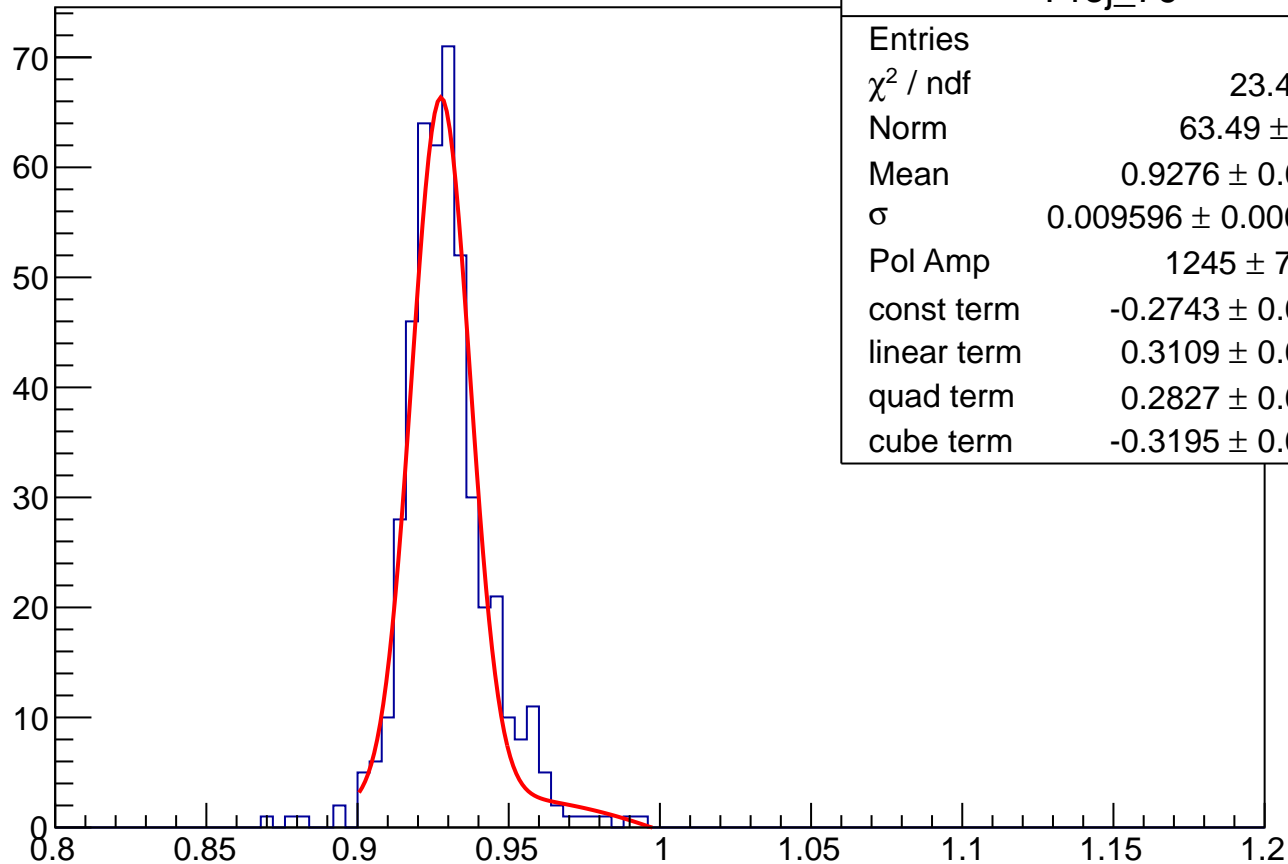




# PhiThetaMassPip



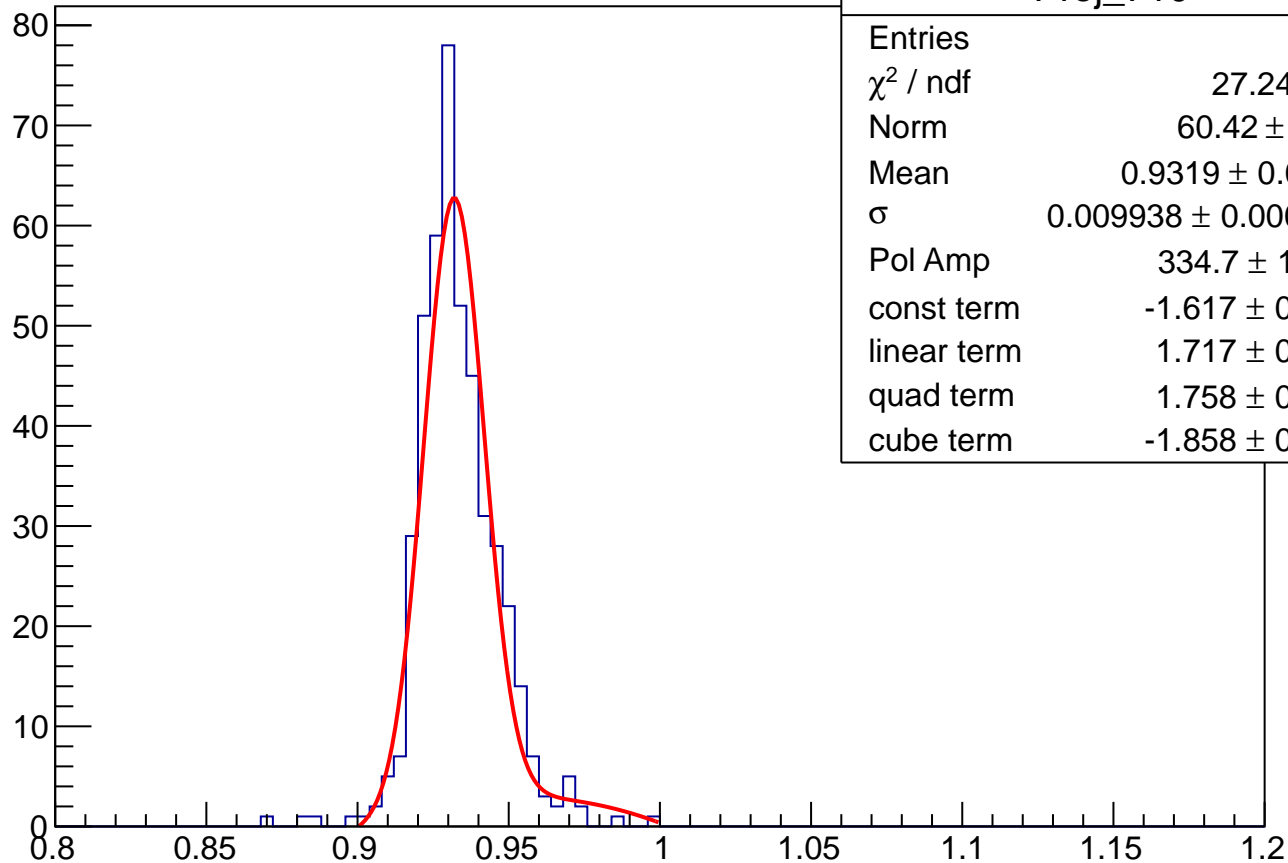
# PhiThetaMassPip



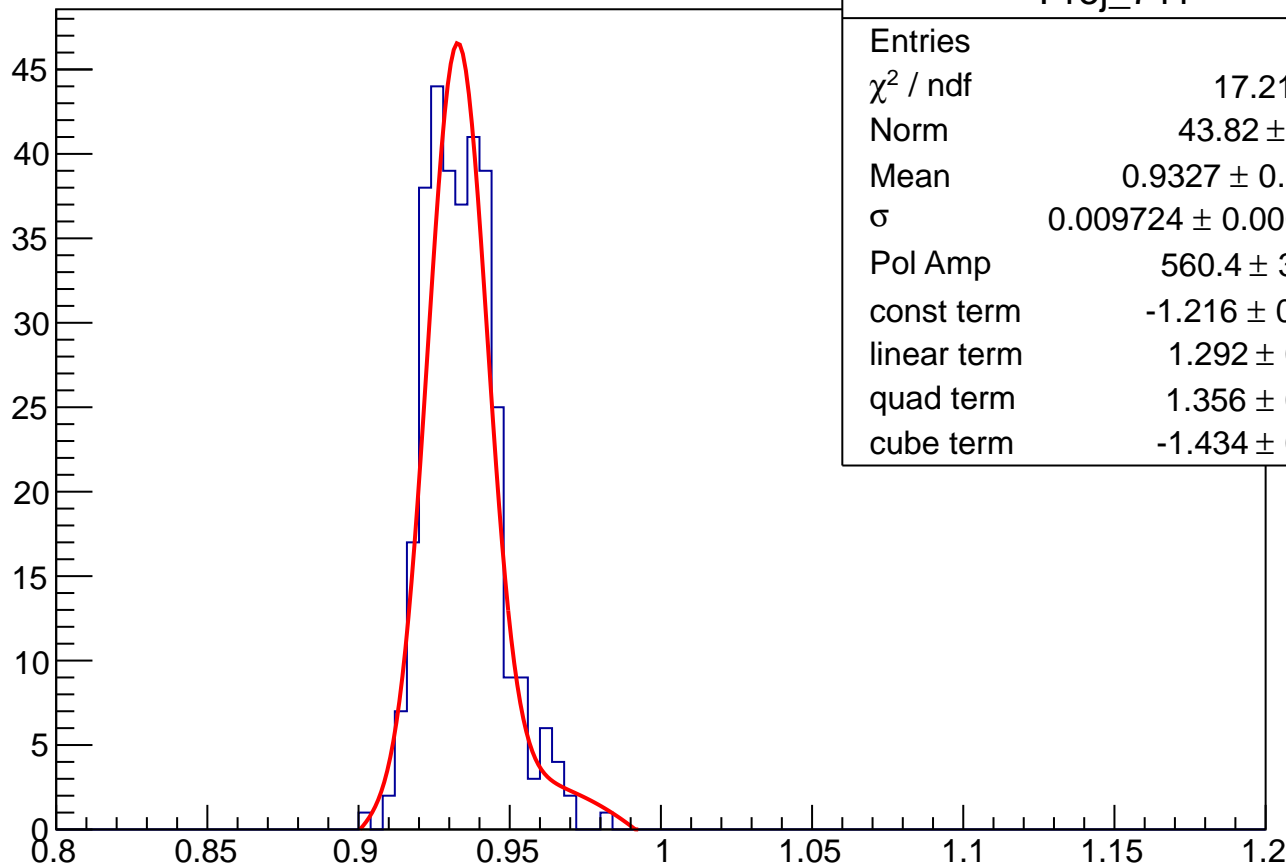
Proj\_79

Entries	462
$\chi^2 / \text{ndf}$	23.4 / 15
Norm	$63.49 \pm 4.61$
Mean	$0.9276 \pm 0.0006$
$\sigma$	$0.009596 \pm 0.000628$
Pol Amp	$1245 \pm 713.3$
const term	$-0.2743 \pm 0.0035$
linear term	$0.3109 \pm 0.0036$
quad term	$0.2827 \pm 0.0037$
cube term	$-0.3195 \pm 0.0037$

# PhiThetaMassPip



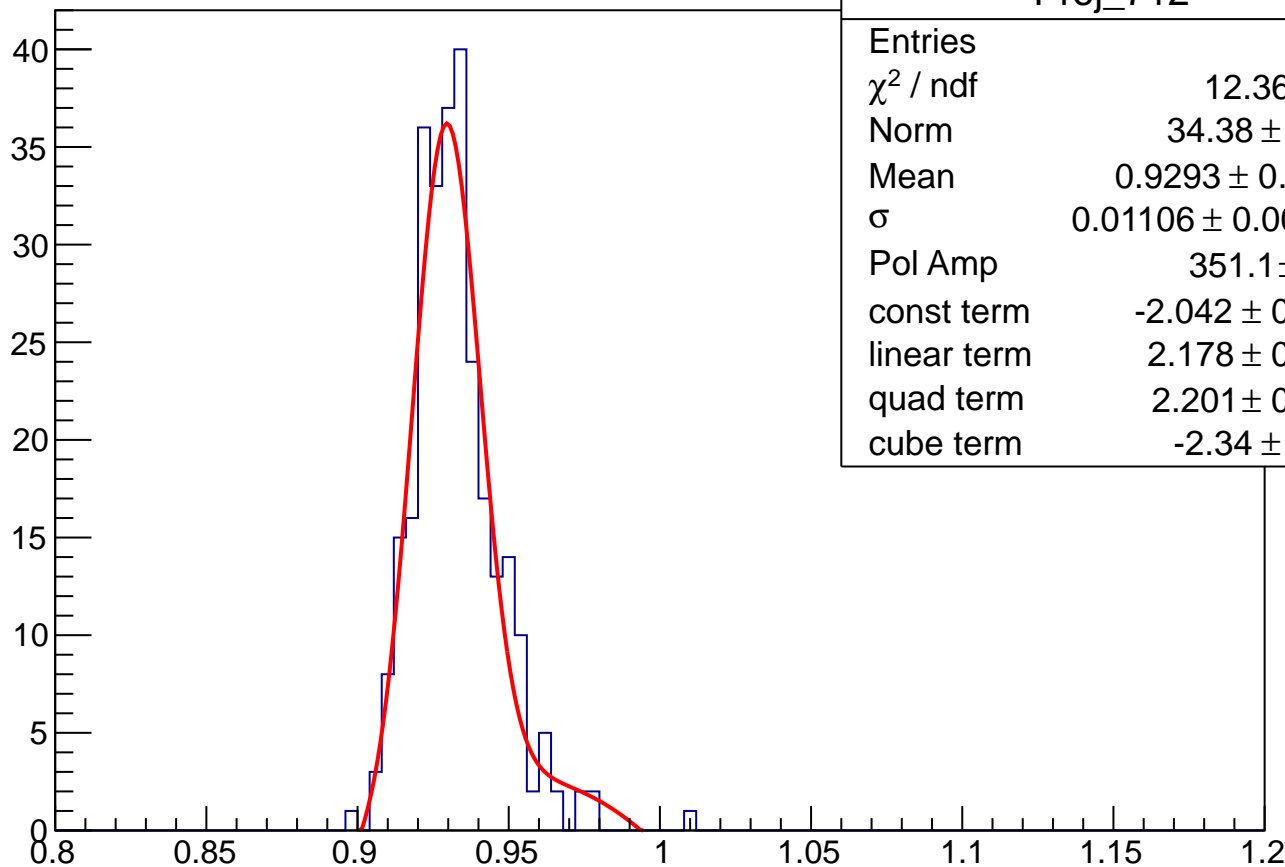
# PhiThetaMassPip



Proj\_711

Entries	324
$\chi^2 / \text{ndf}$	17.21 / 10
Norm	$43.82 \pm 3.48$
Mean	$0.9327 \pm 0.0008$
$\sigma$	$0.009724 \pm 0.000590$
Pol Amp	$560.4 \pm 357.4$
const term	$-1.216 \pm 0.009$
linear term	$1.292 \pm 0.011$
quad term	$1.356 \pm 0.011$
cube term	$-1.434 \pm 0.011$

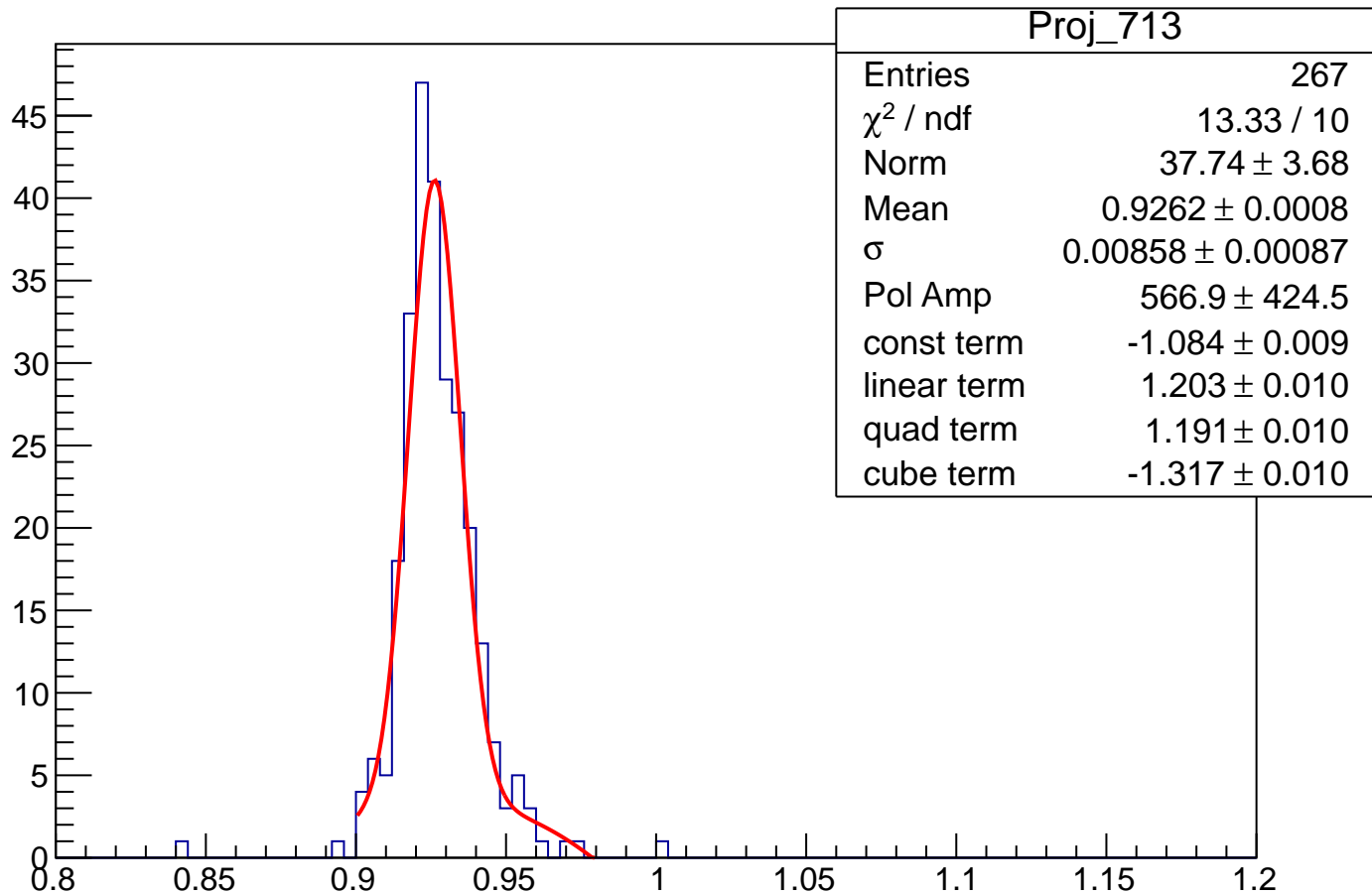
# PhiThetaMassPip



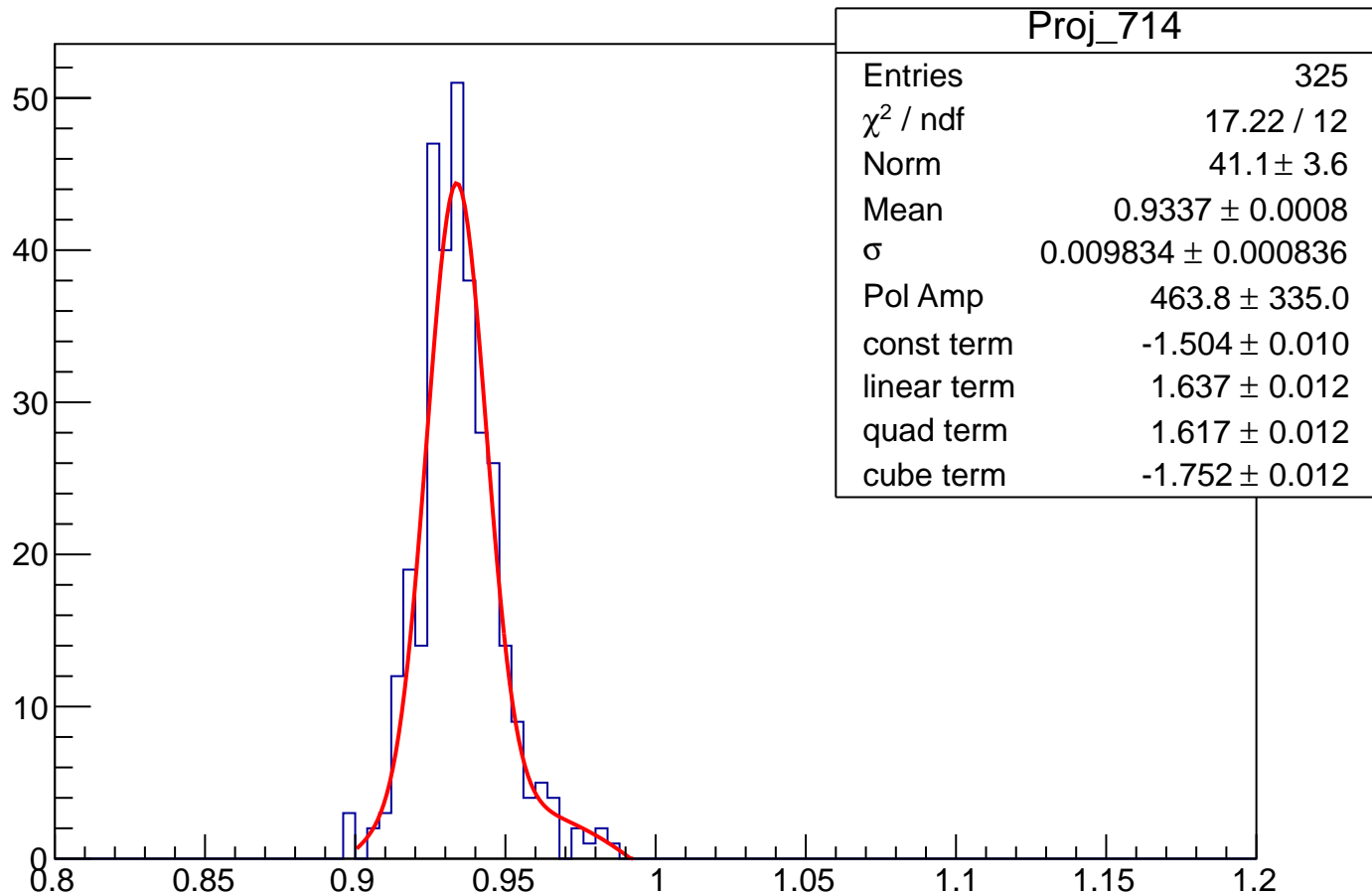
Proj\_712

Entries	281
$\chi^2 / \text{ndf}$	12.36 / 10
Norm	$34.38 \pm 3.22$
Mean	$0.9293 \pm 0.0011$
$\sigma$	$0.01106 \pm 0.00147$
Pol Amp	$351.1 \pm 2.5$
const term	$-2.042 \pm 0.703$
linear term	$2.178 \pm 0.704$
quad term	$2.201 \pm 0.733$
cube term	$-2.34 \pm 0.74$

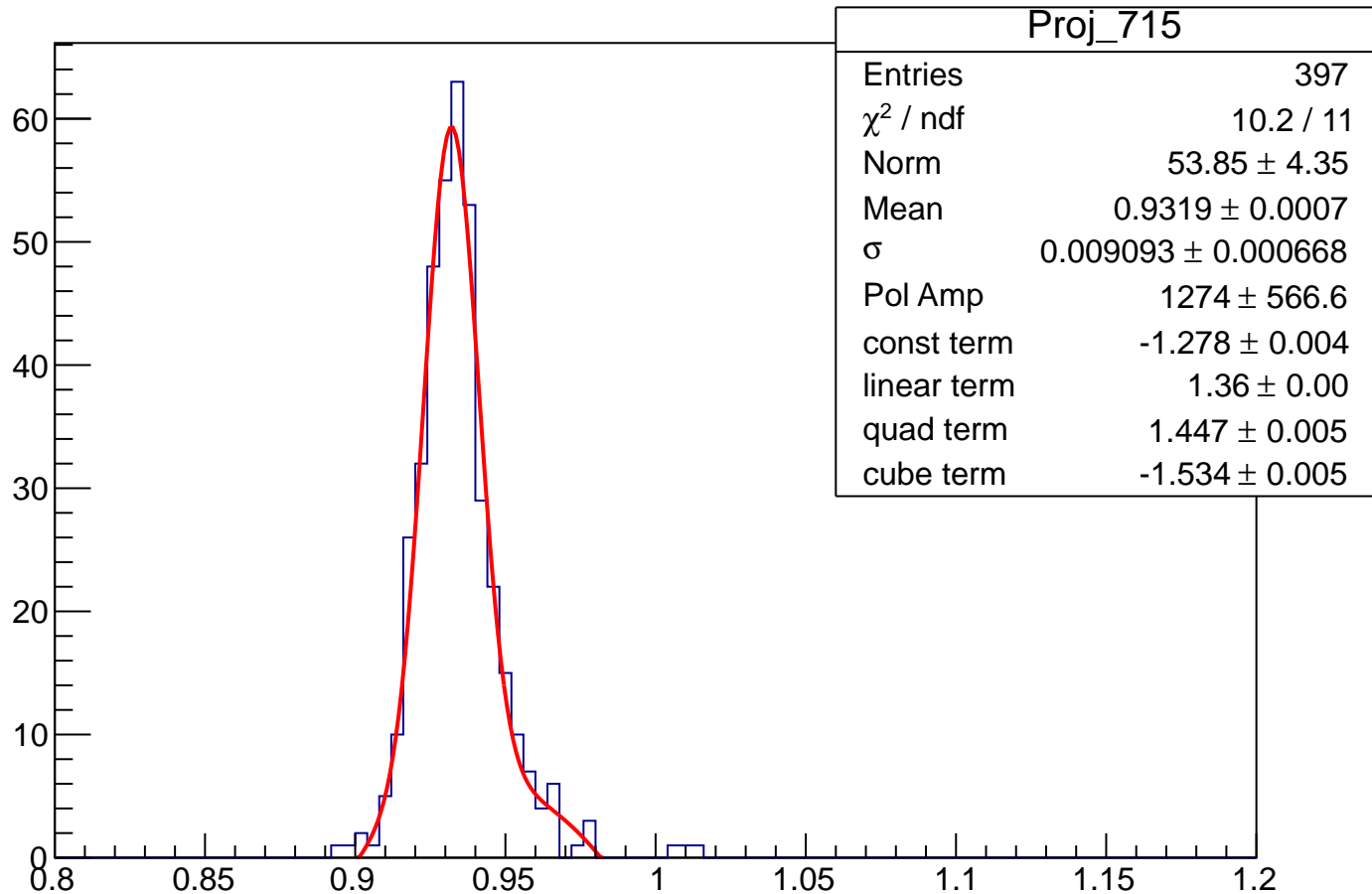
# PhiThetaMassPip



# PhiThetaMassPip

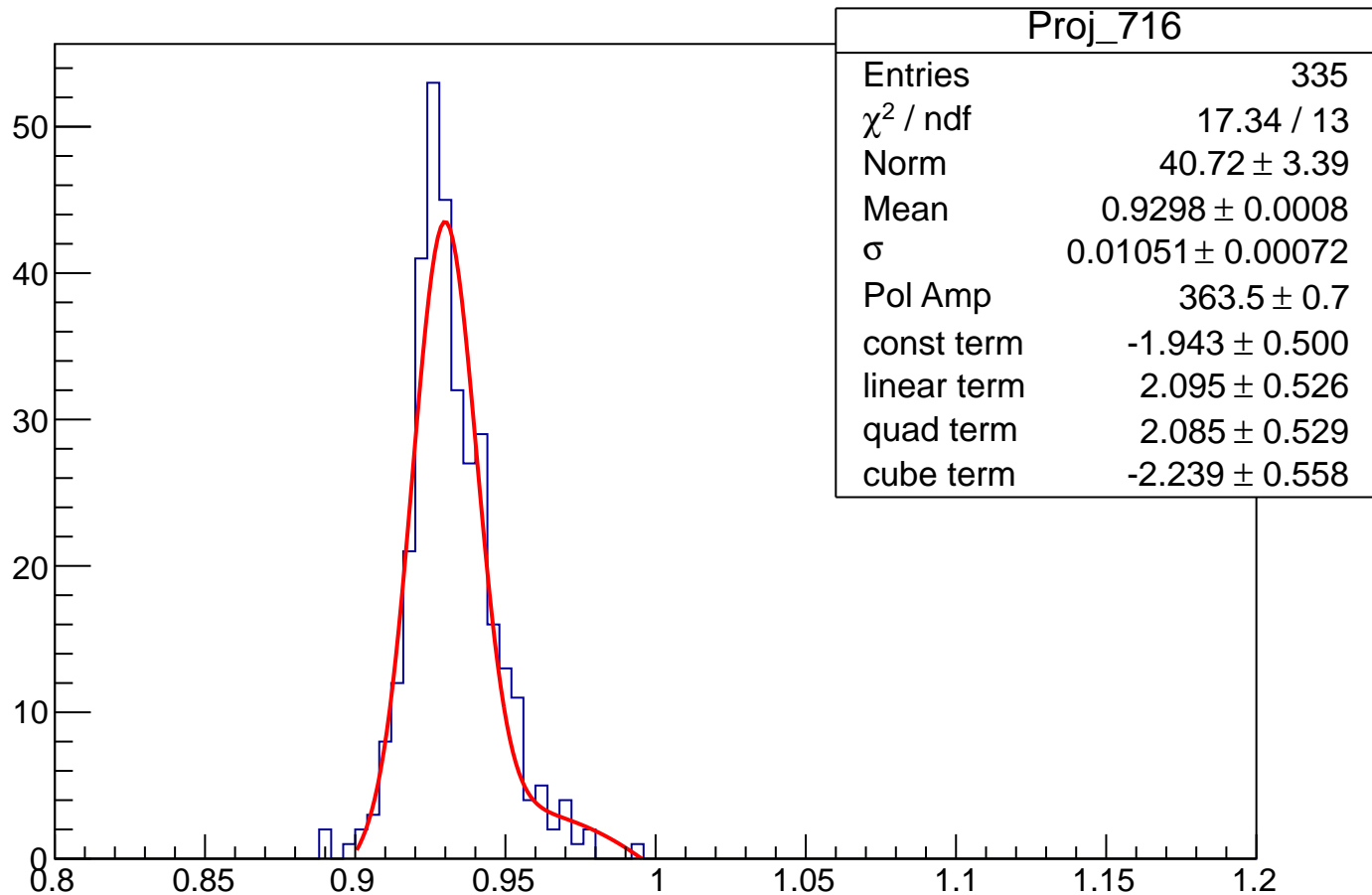


# PhiThetaMassPip

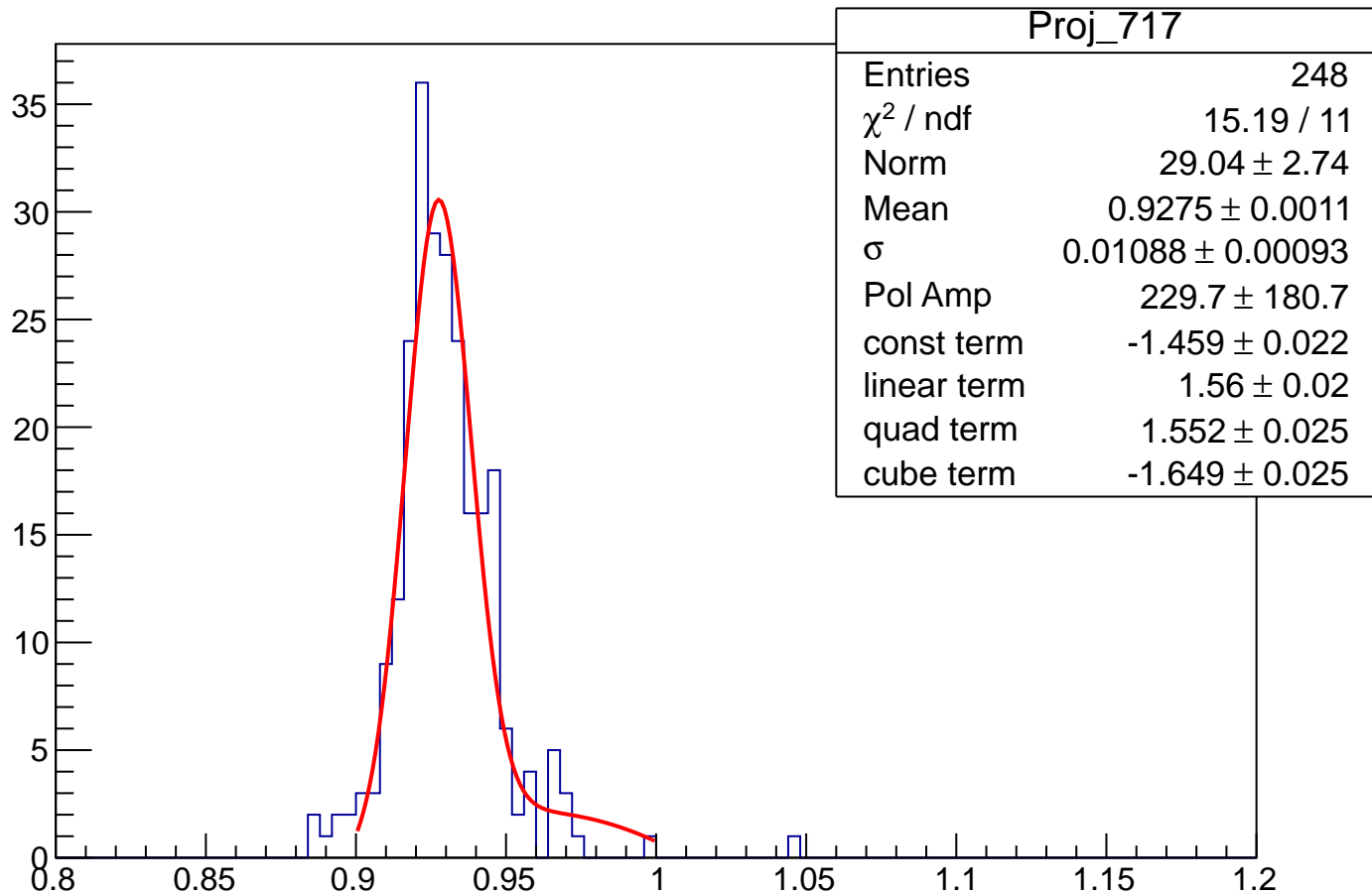




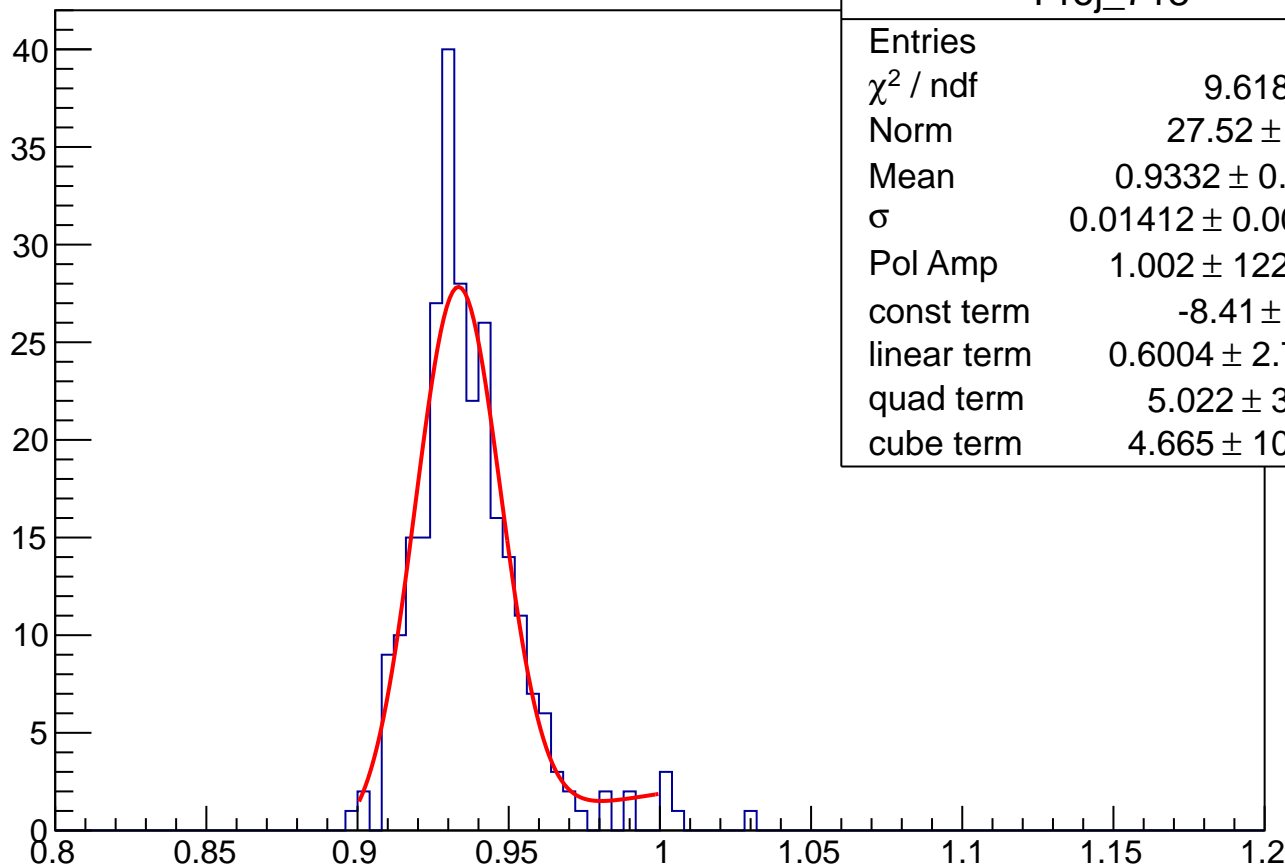
# PhiThetaMassPip



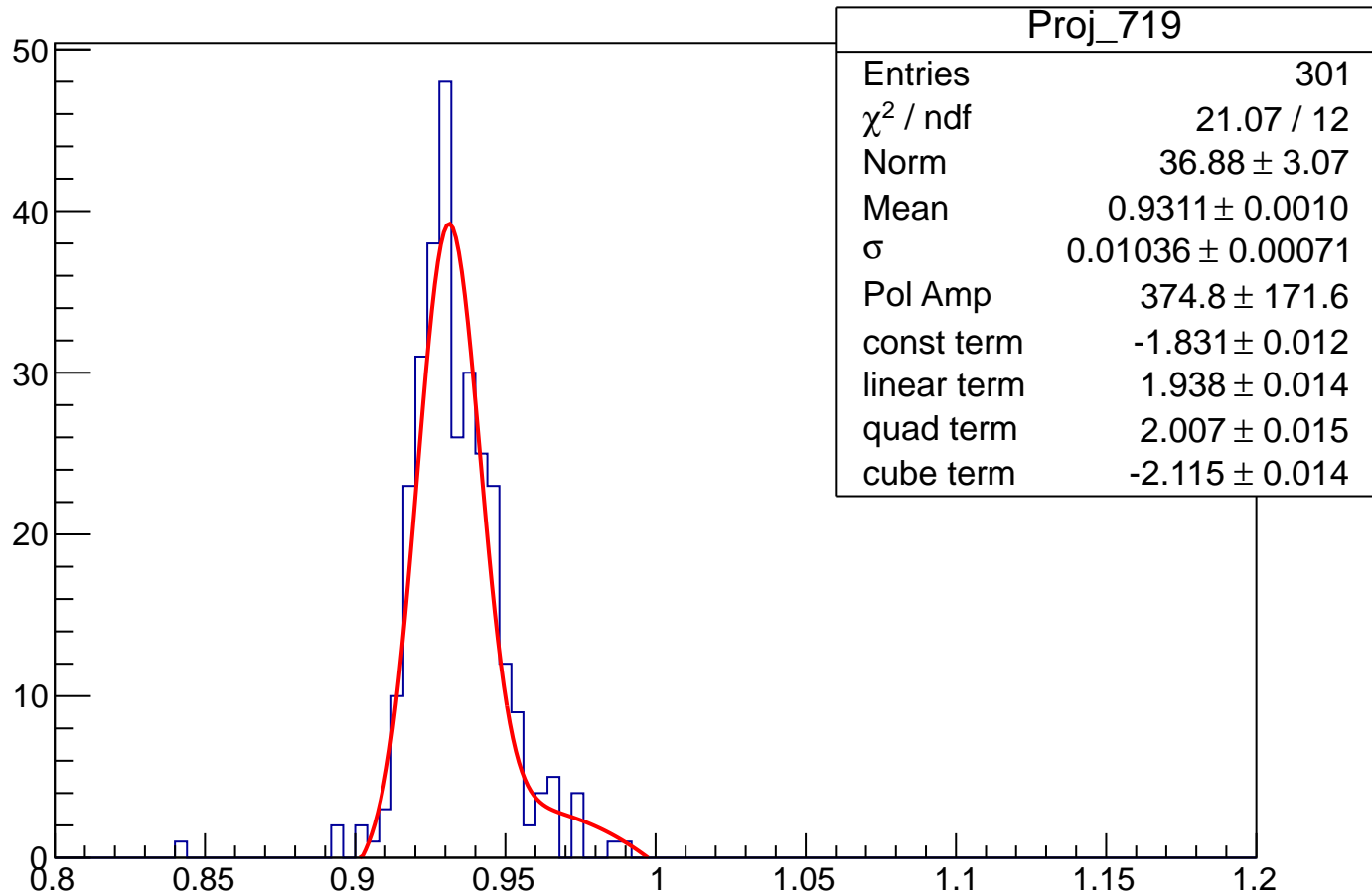
# PhiThetaMassPip



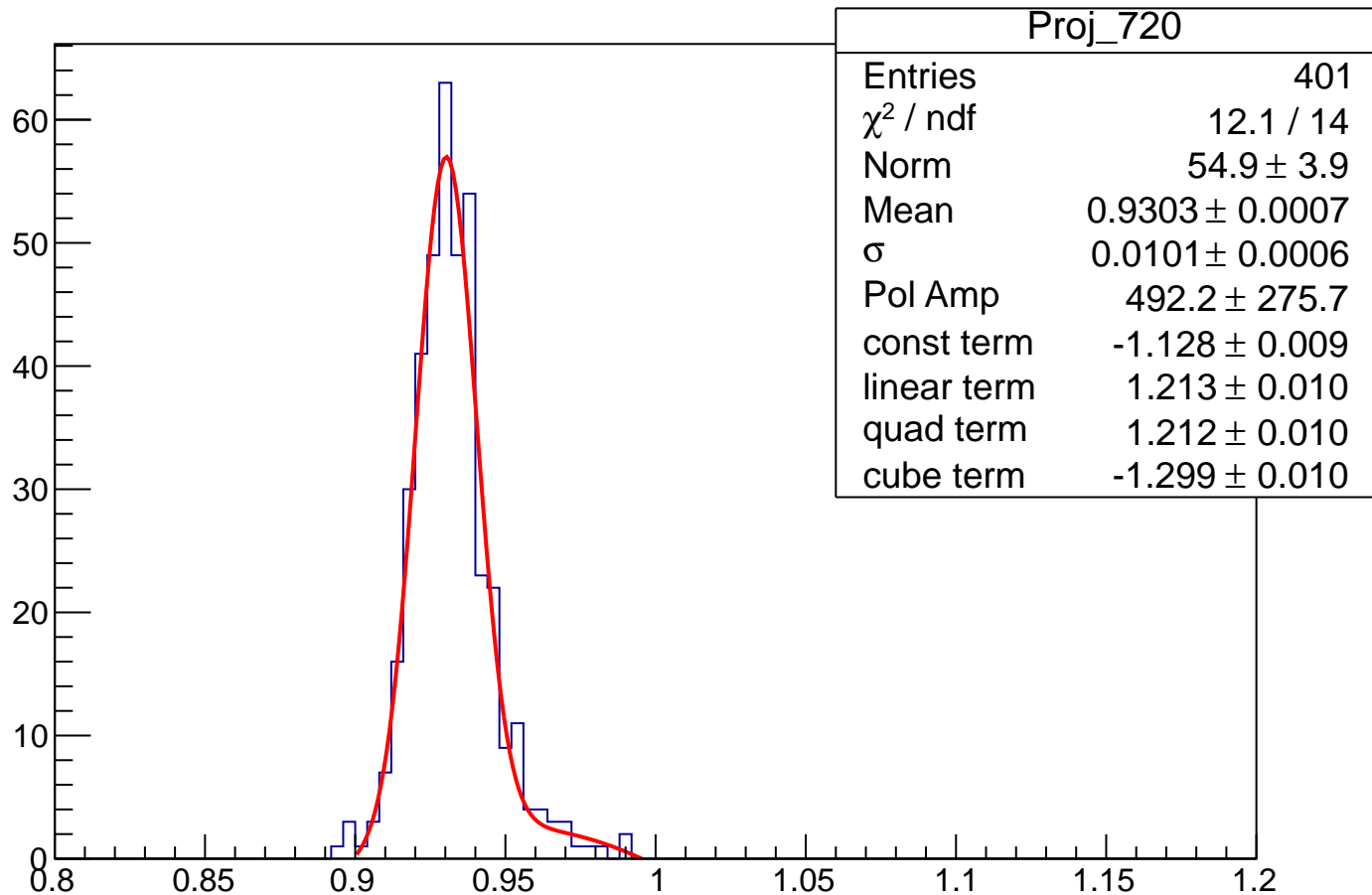
# PhiThetaMassPip



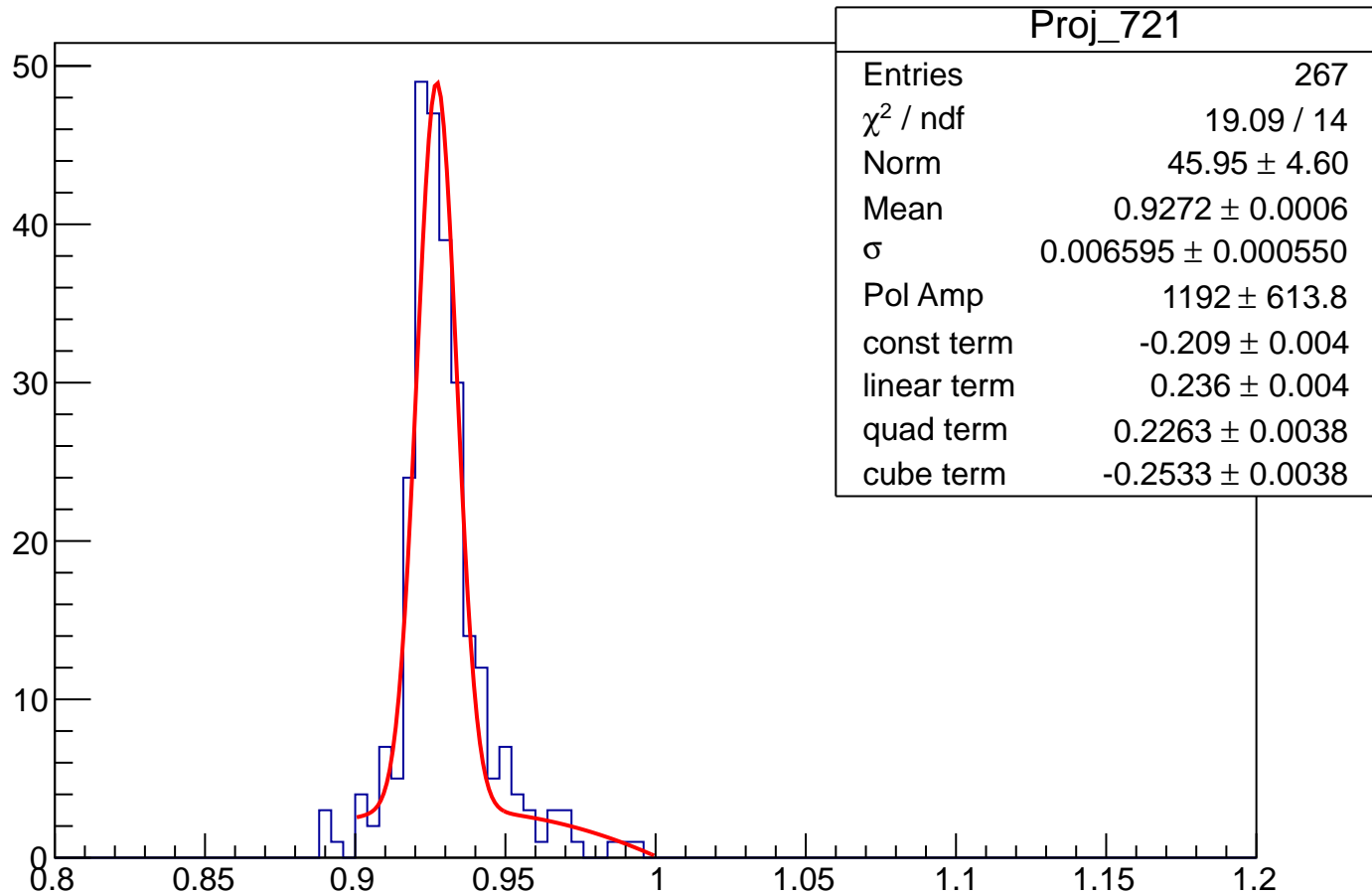
# PhiThetaMassPip



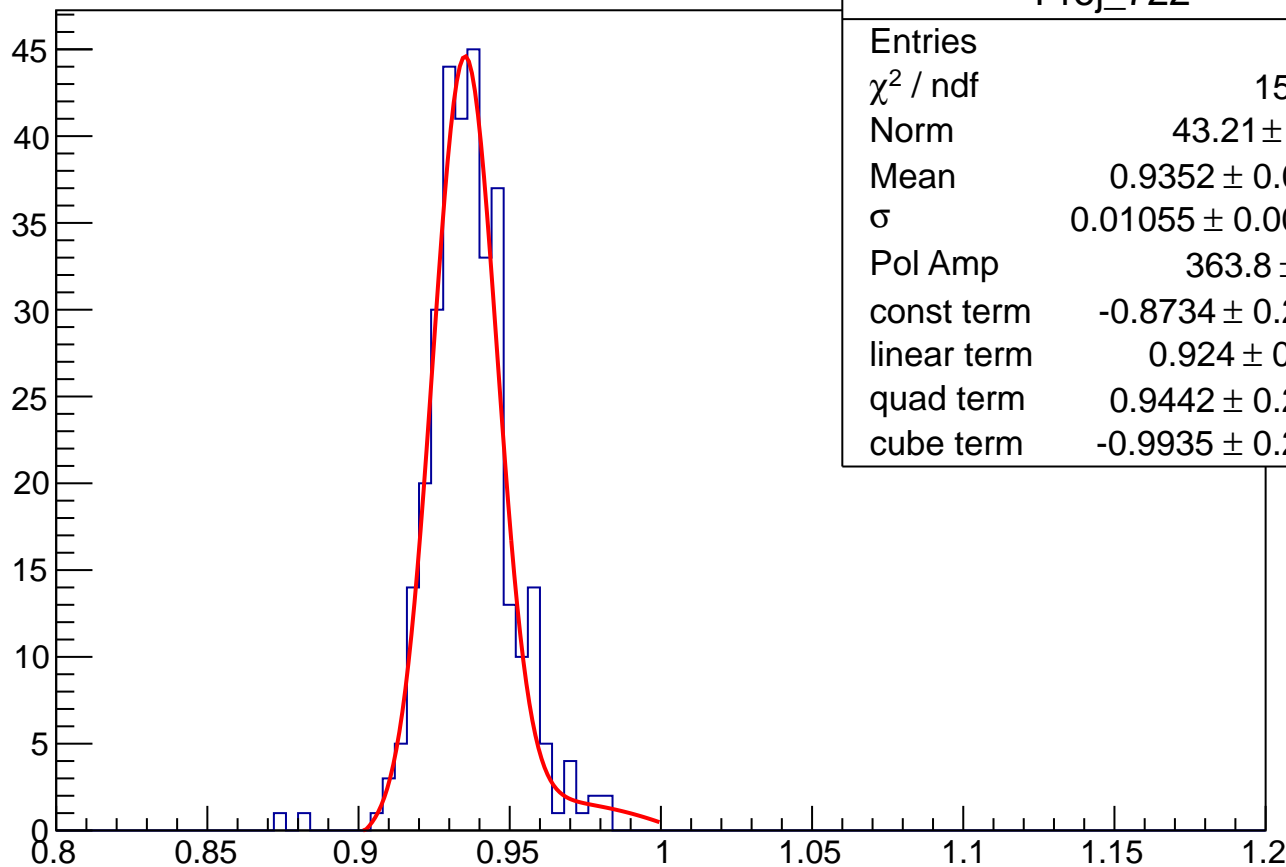
# PhiThetaMassPip



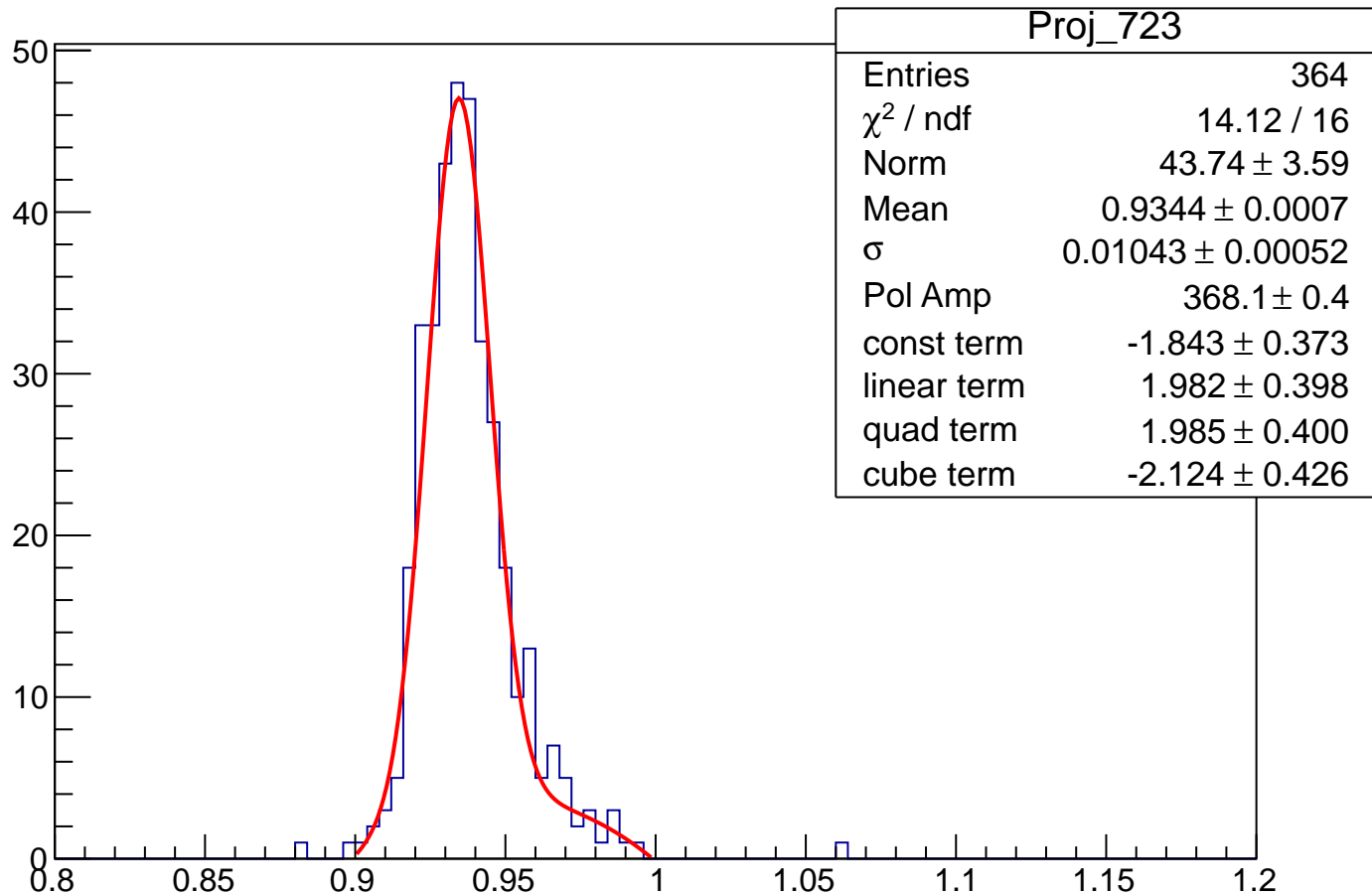
# PhiThetaMassPip



# PhiThetaMassPip

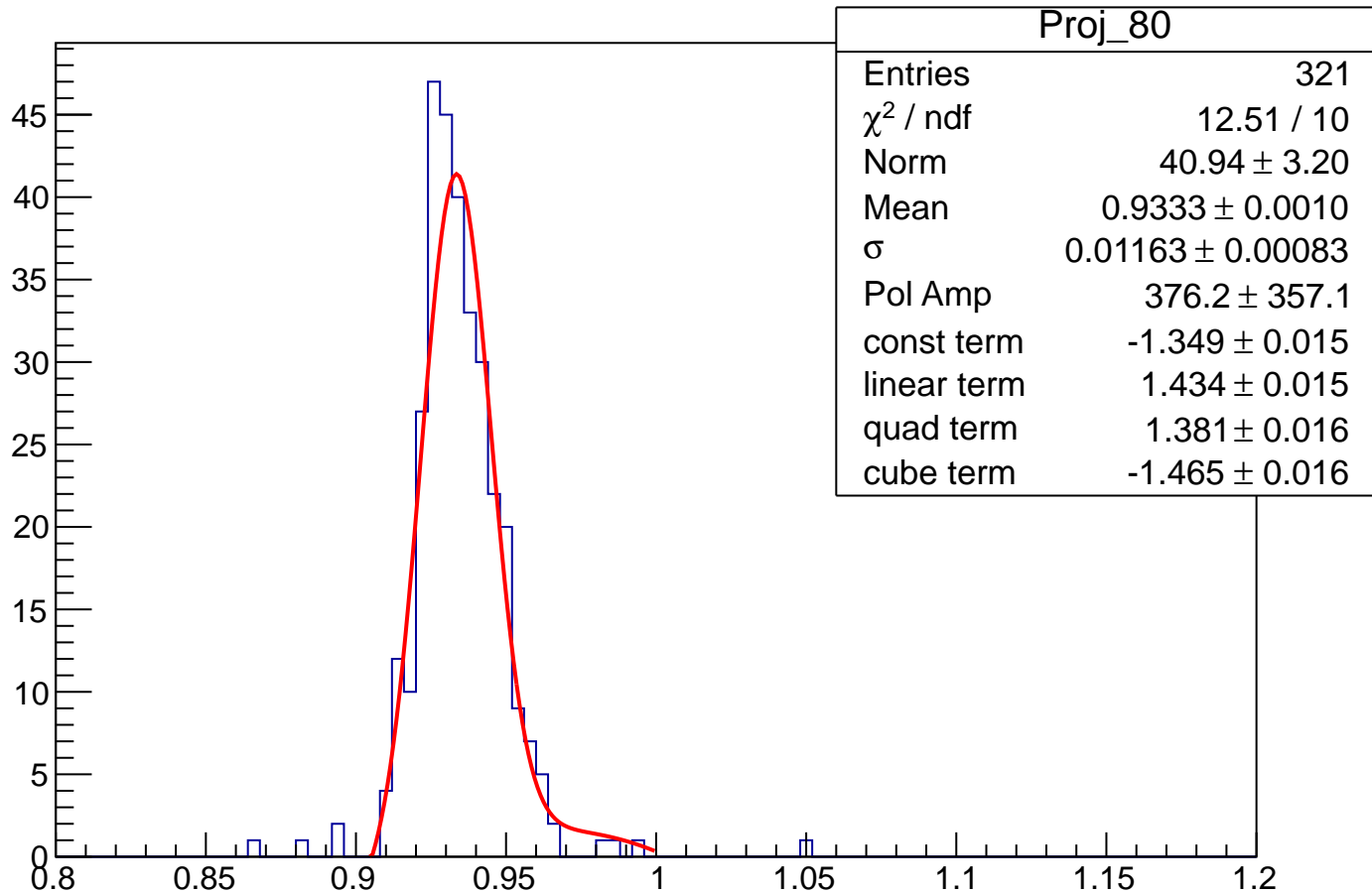


# PhiThetaMassPip

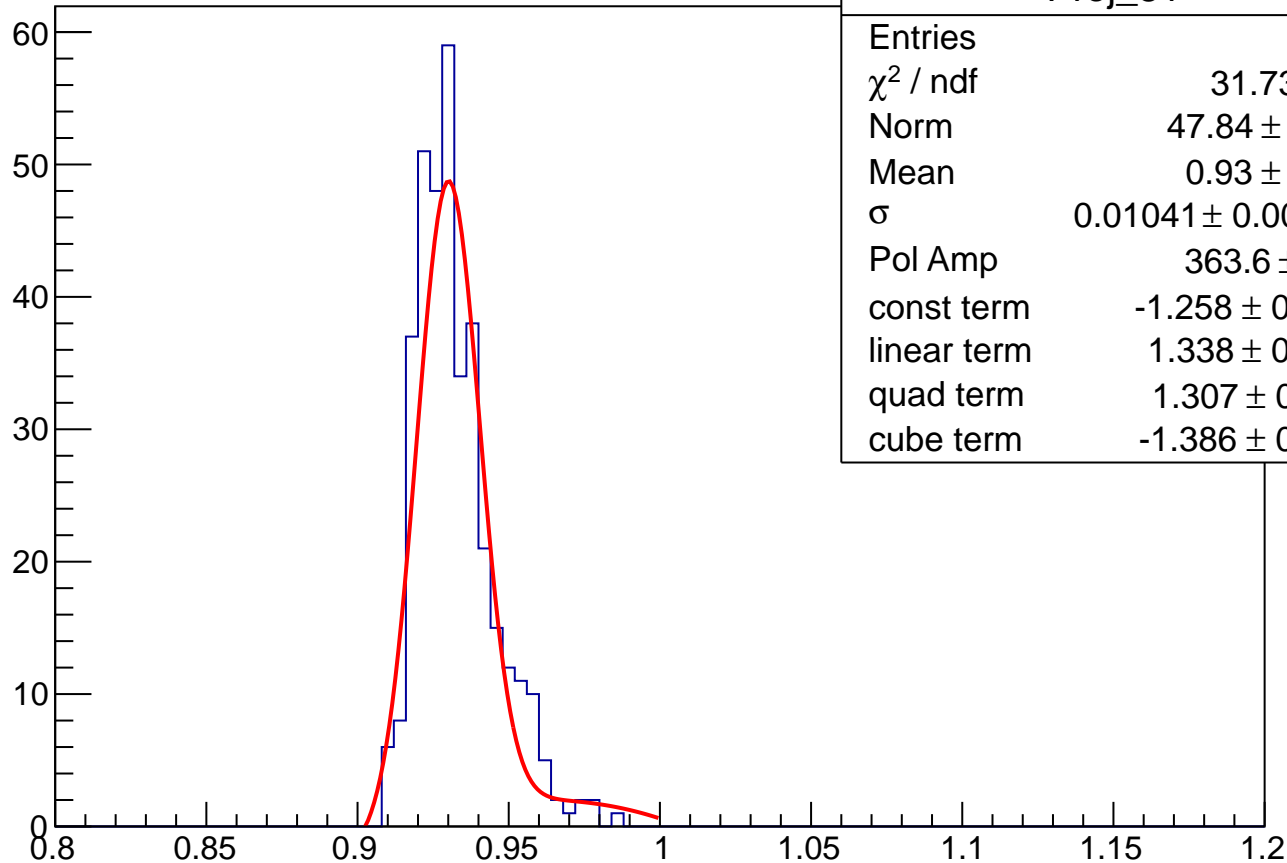




# PhiThetaMassPip



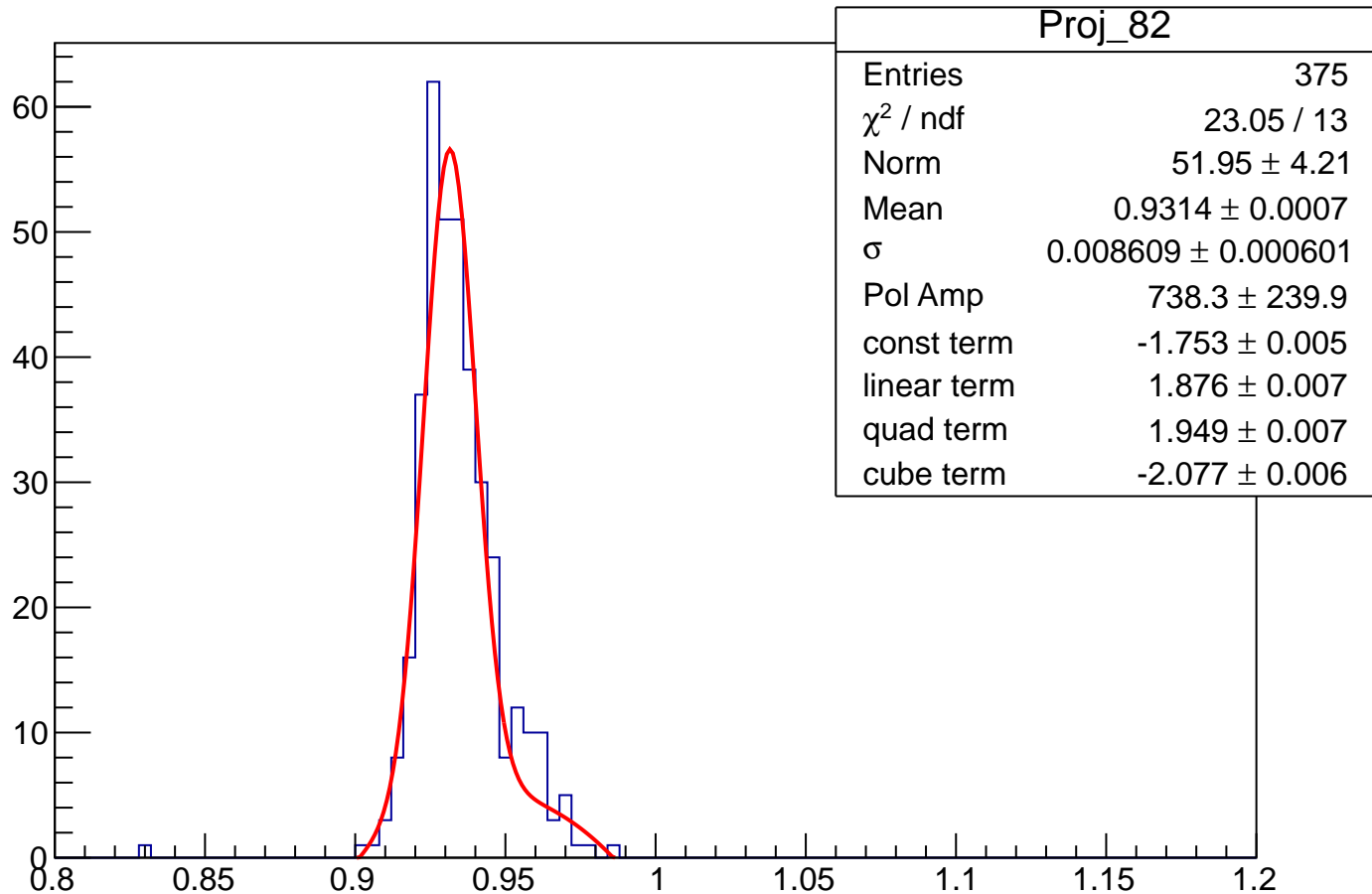
# PhiThetaMassPip



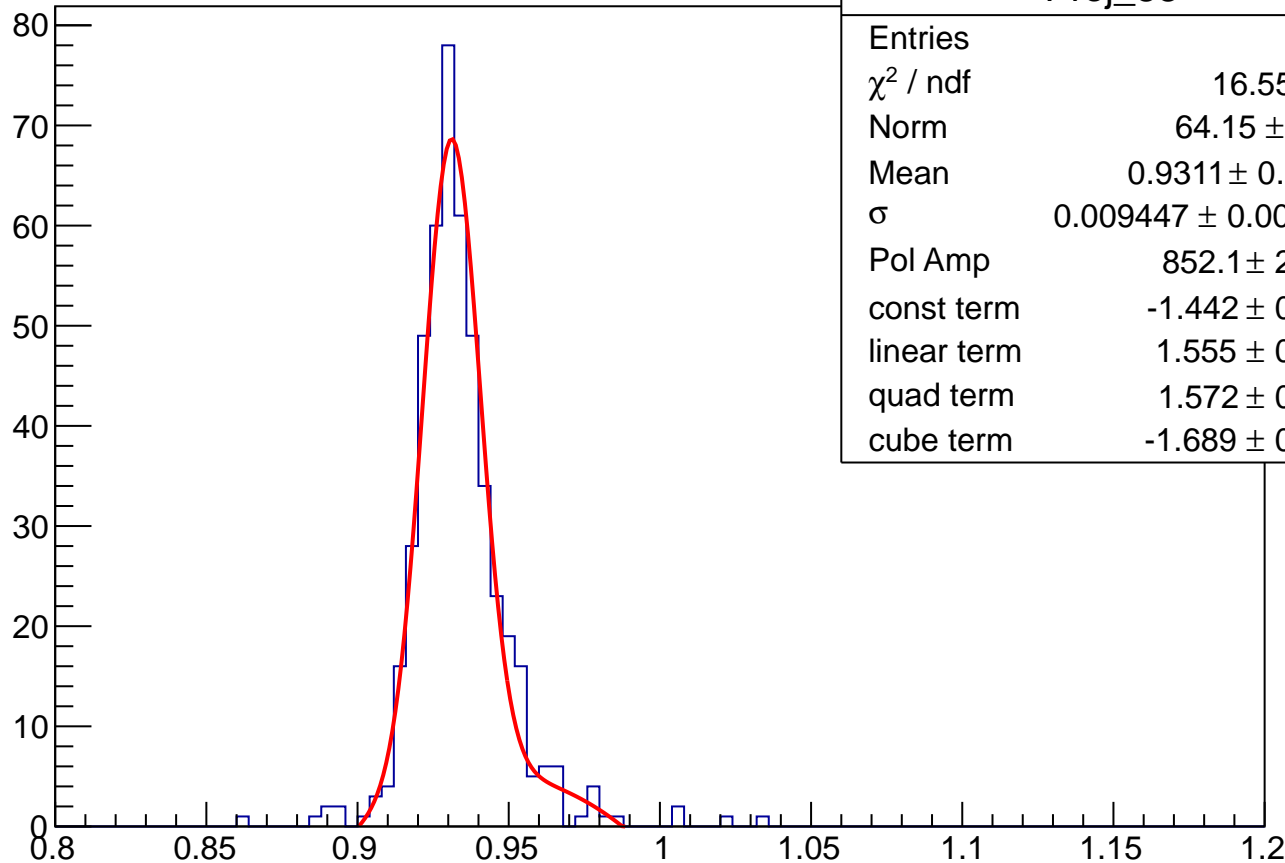
Proj\_81

Entries	363
$\chi^2 / \text{ndf}$	31.73 / 11
Norm	$47.84 \pm 4.09$
Mean	$0.93 \pm 0.00$
$\sigma$	$0.01041 \pm 0.00137$
Pol Amp	$363.6 \pm 1.5$
const term	$-1.258 \pm 0.478$
linear term	$1.338 \pm 0.456$
quad term	$1.307 \pm 0.471$
cube term	$-1.386 \pm 0.451$

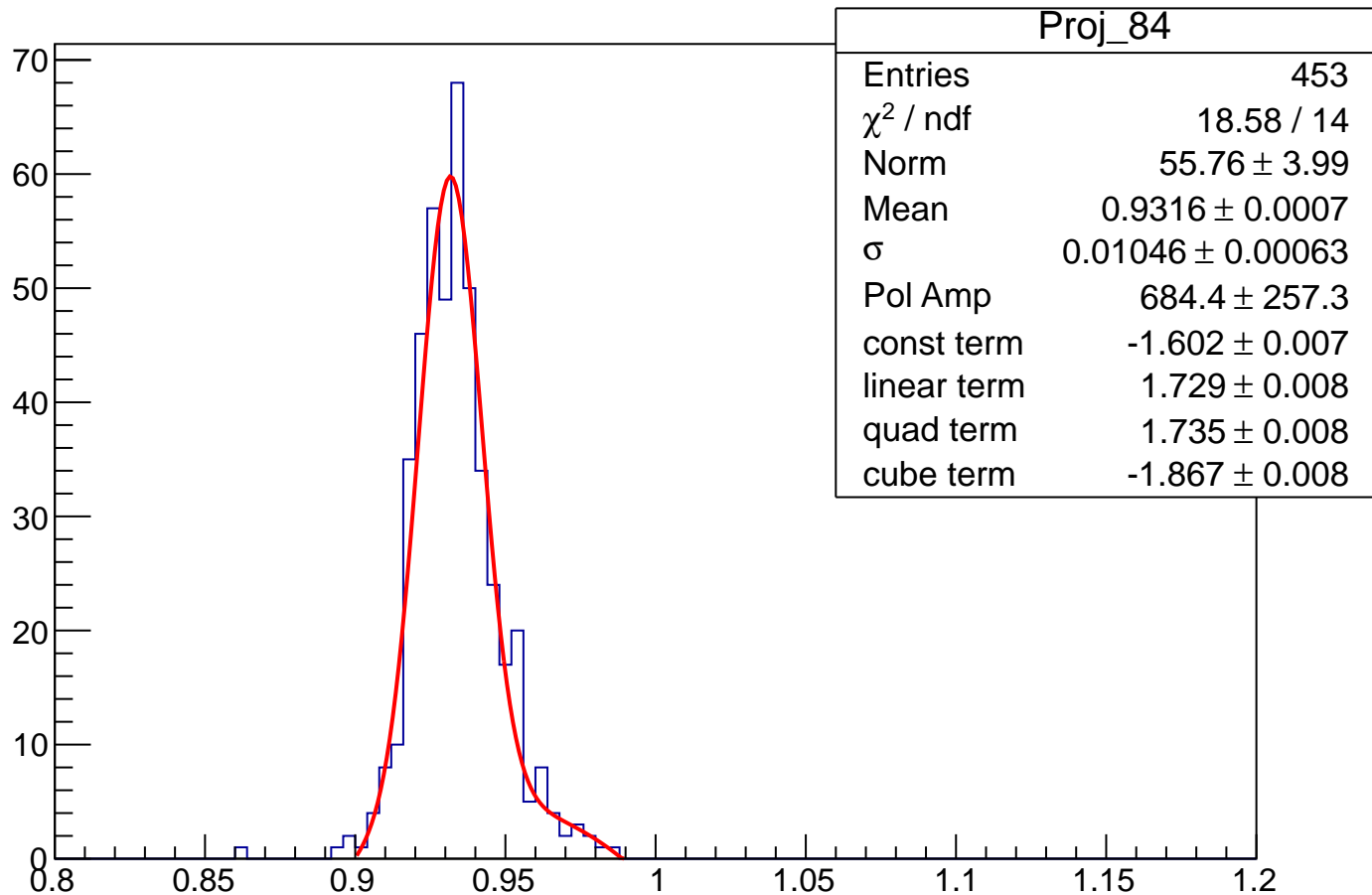
# PhiThetaMassPip



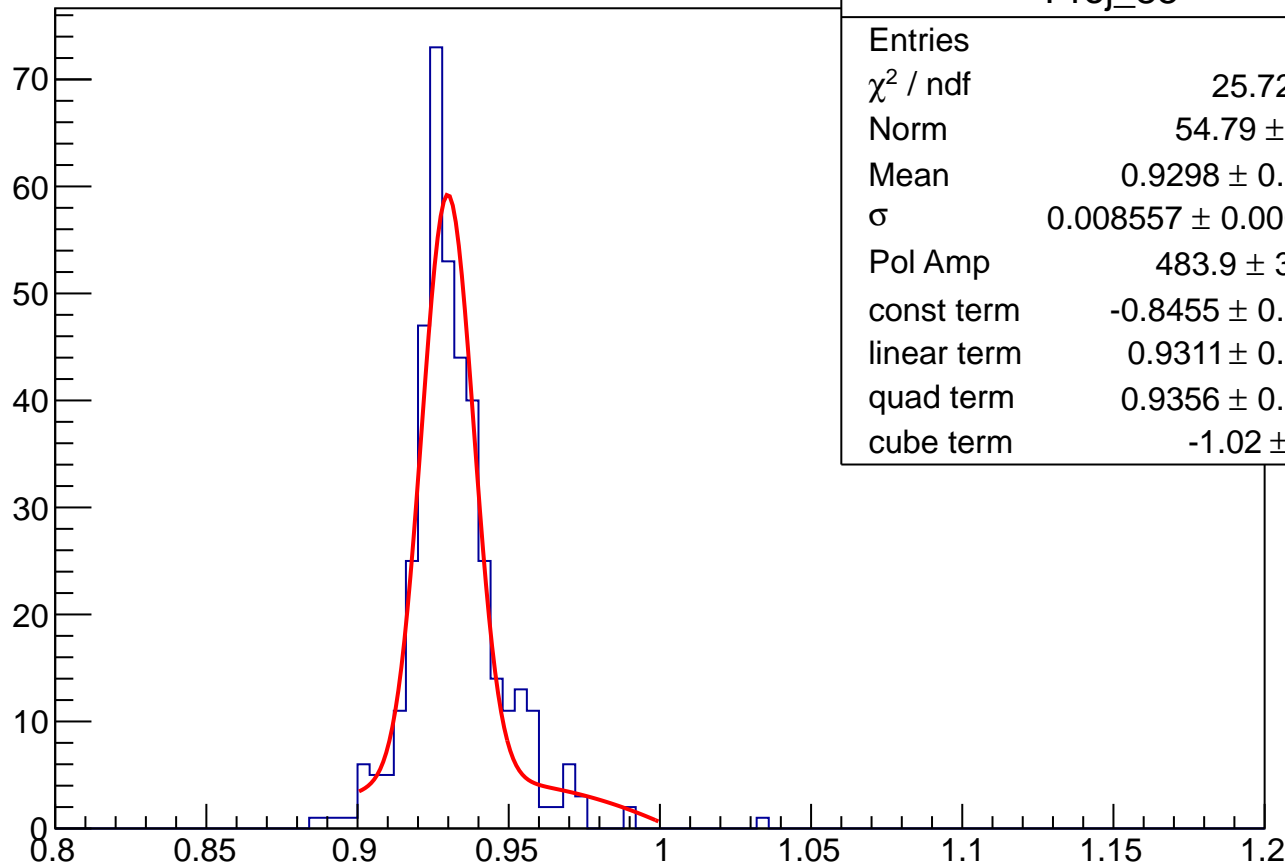
# PhiThetaMassPip



# PhiThetaMassPip



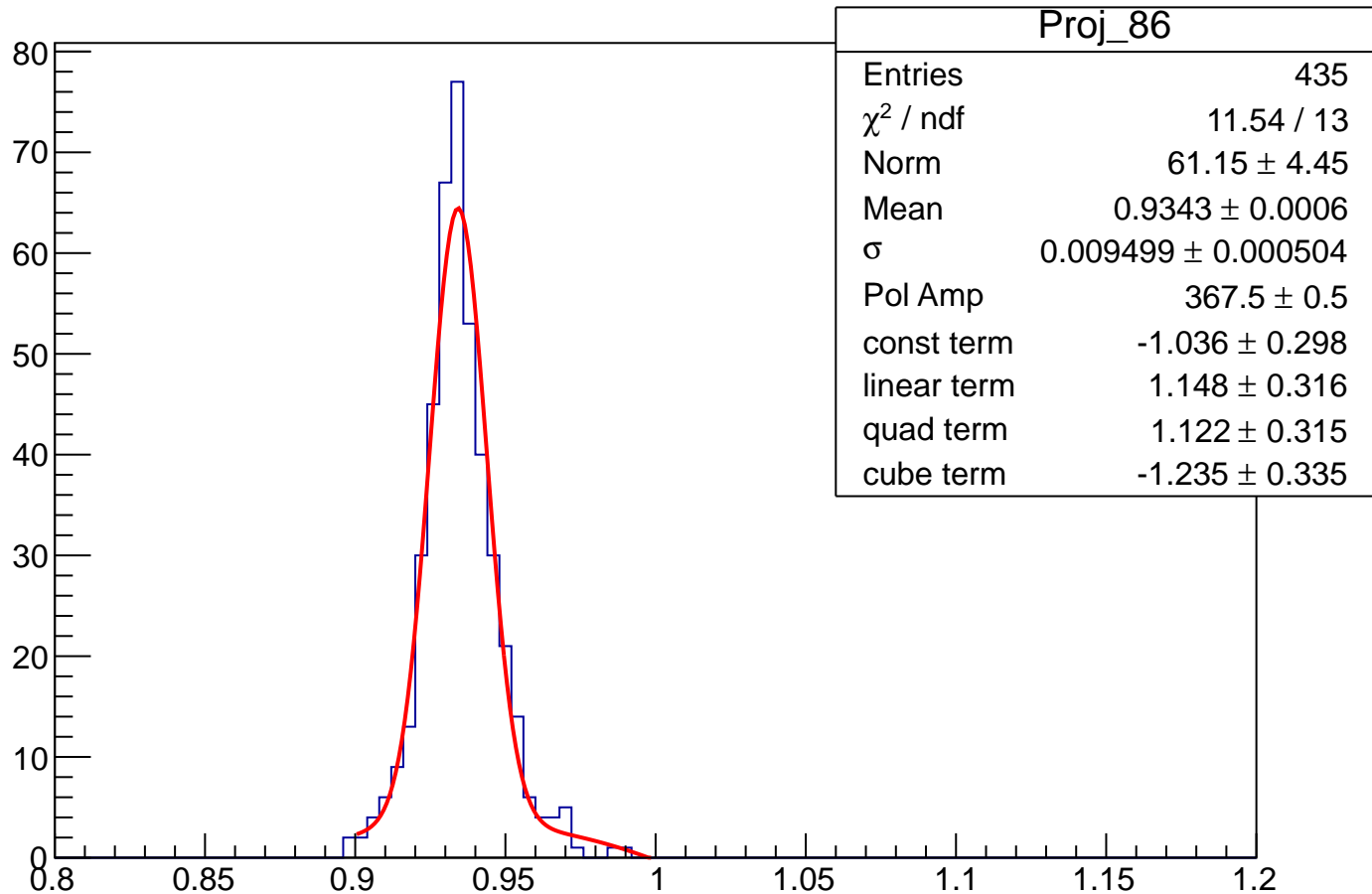
# PhiThetaMassPip



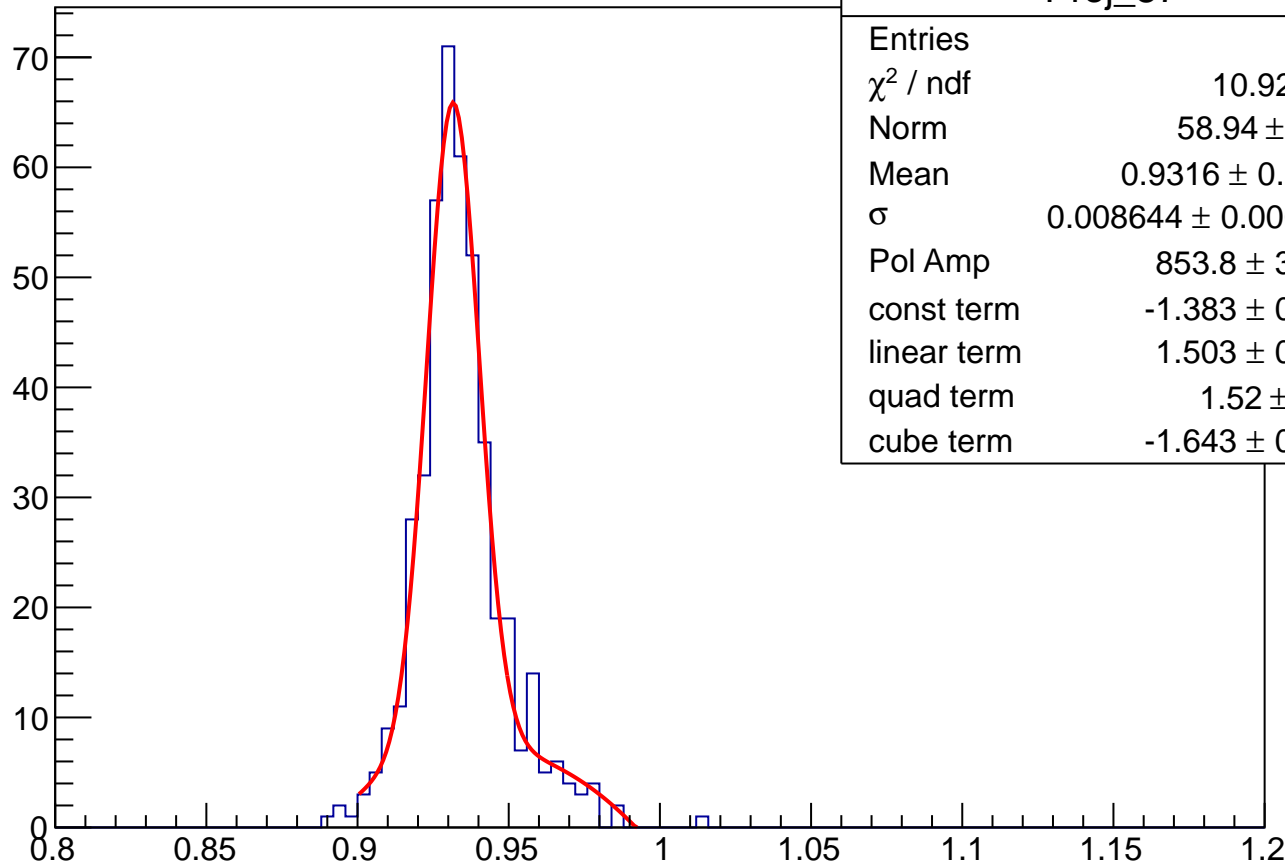
Proj\_85

Entries	403
$\chi^2 / \text{ndf}$	25.72 / 12
Norm	$54.79 \pm 4.46$
Mean	$0.9298 \pm 0.0007$
$\sigma$	$0.008557 \pm 0.000650$
Pol Amp	$483.9 \pm 367.9$
const term	$-0.8455 \pm 0.0130$
linear term	$0.9311 \pm 0.0144$
quad term	$0.9356 \pm 0.0148$
cube term	$-1.02 \pm 0.01$

# PhiThetaMassPip

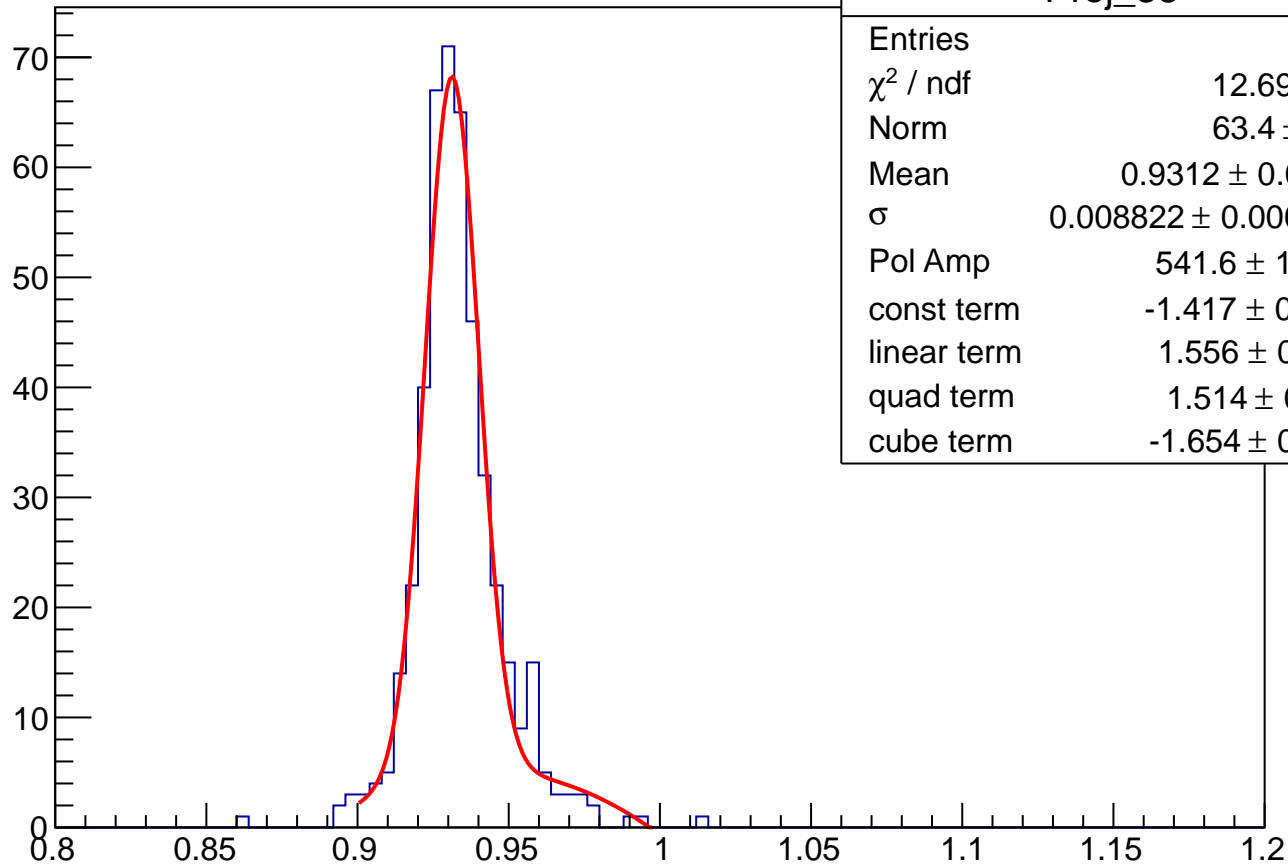


# PhiThetaMassPip

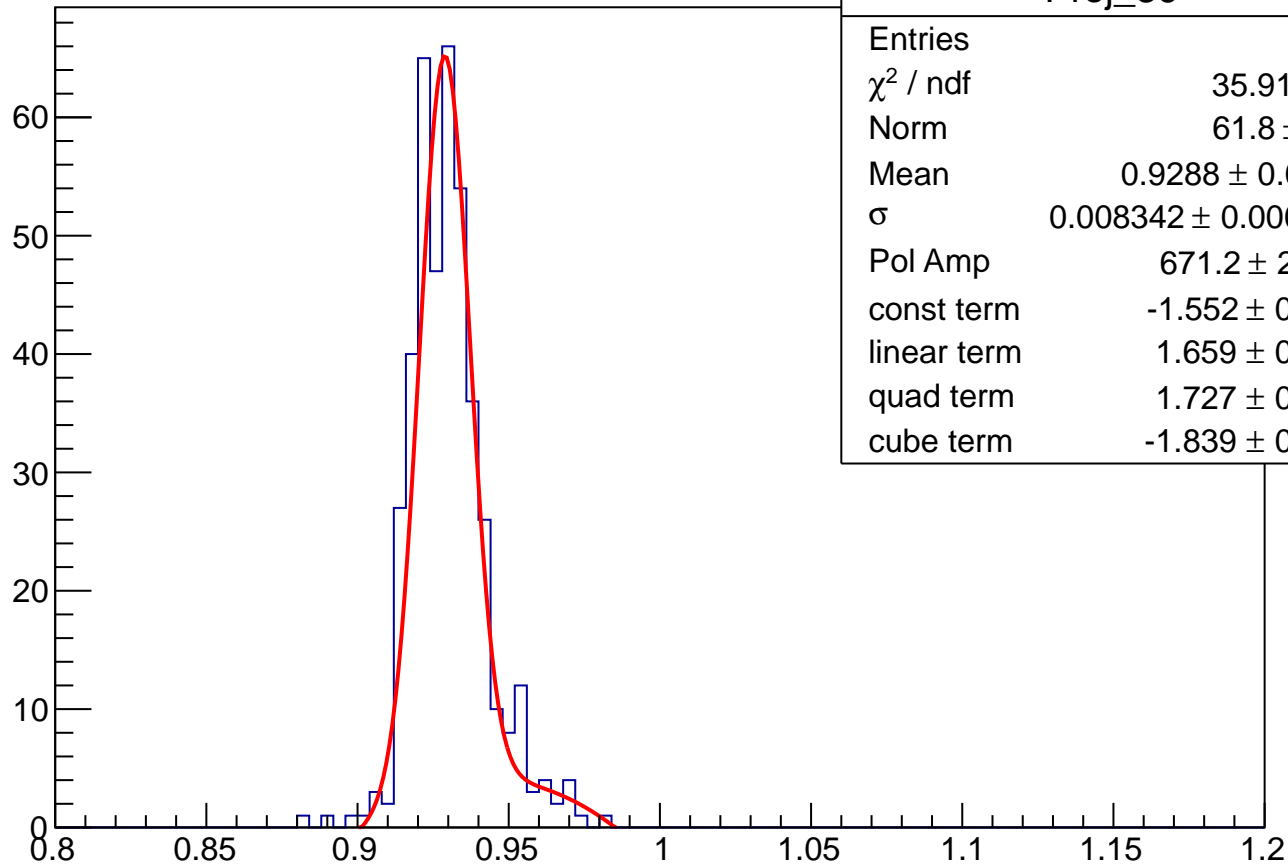




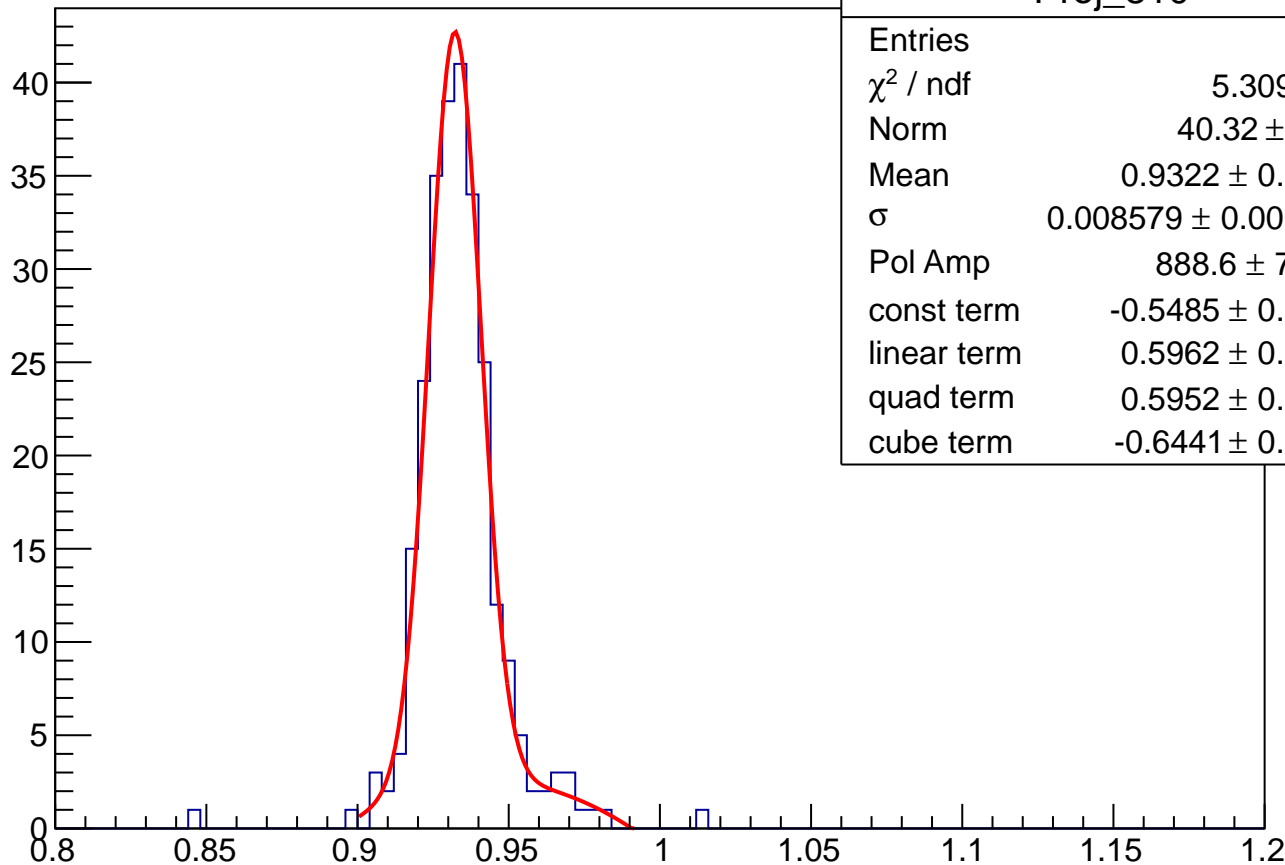
# PhiThetaMassPip



# PhiThetaMassPip



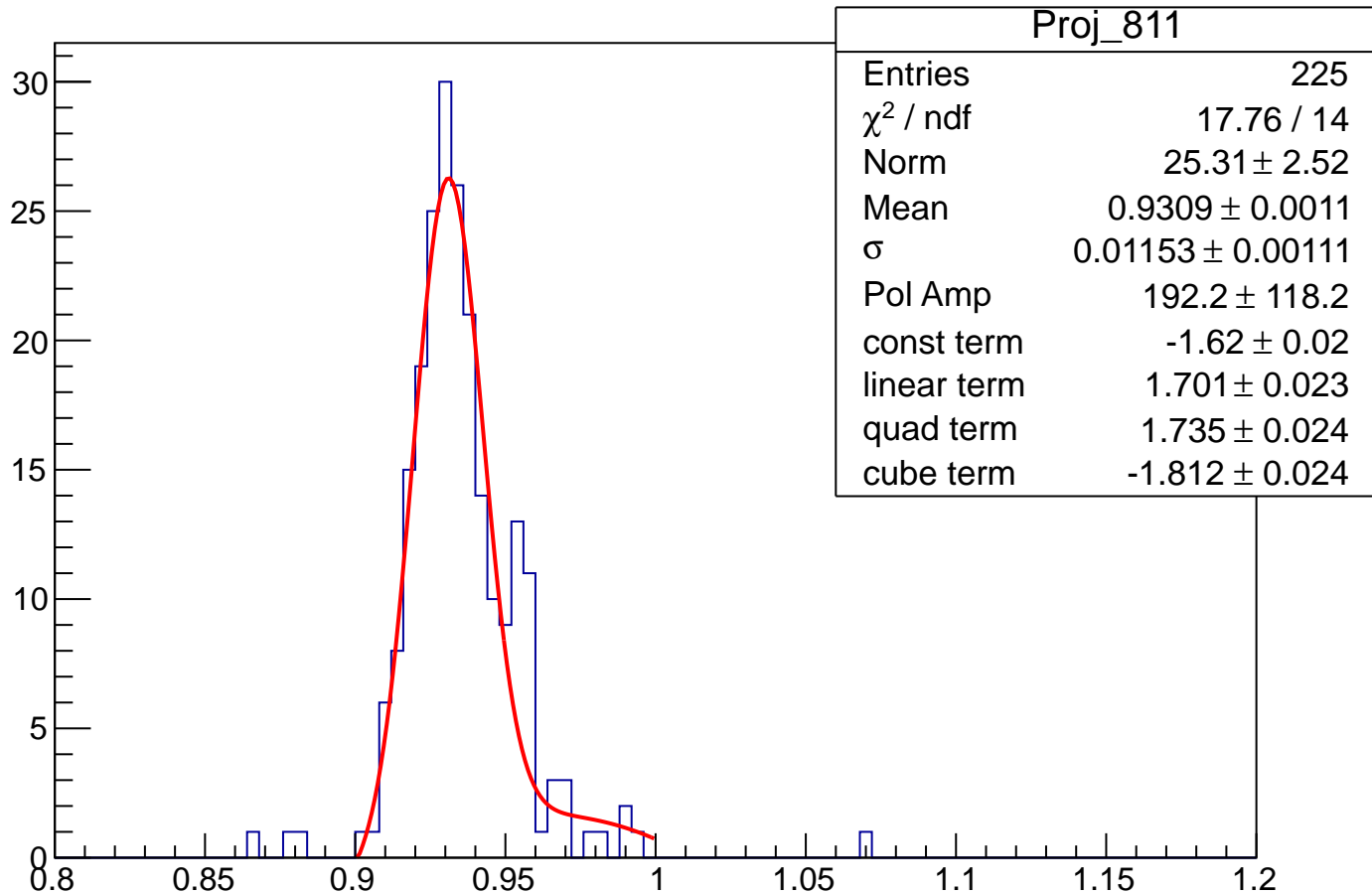
# PhiThetaMassPip



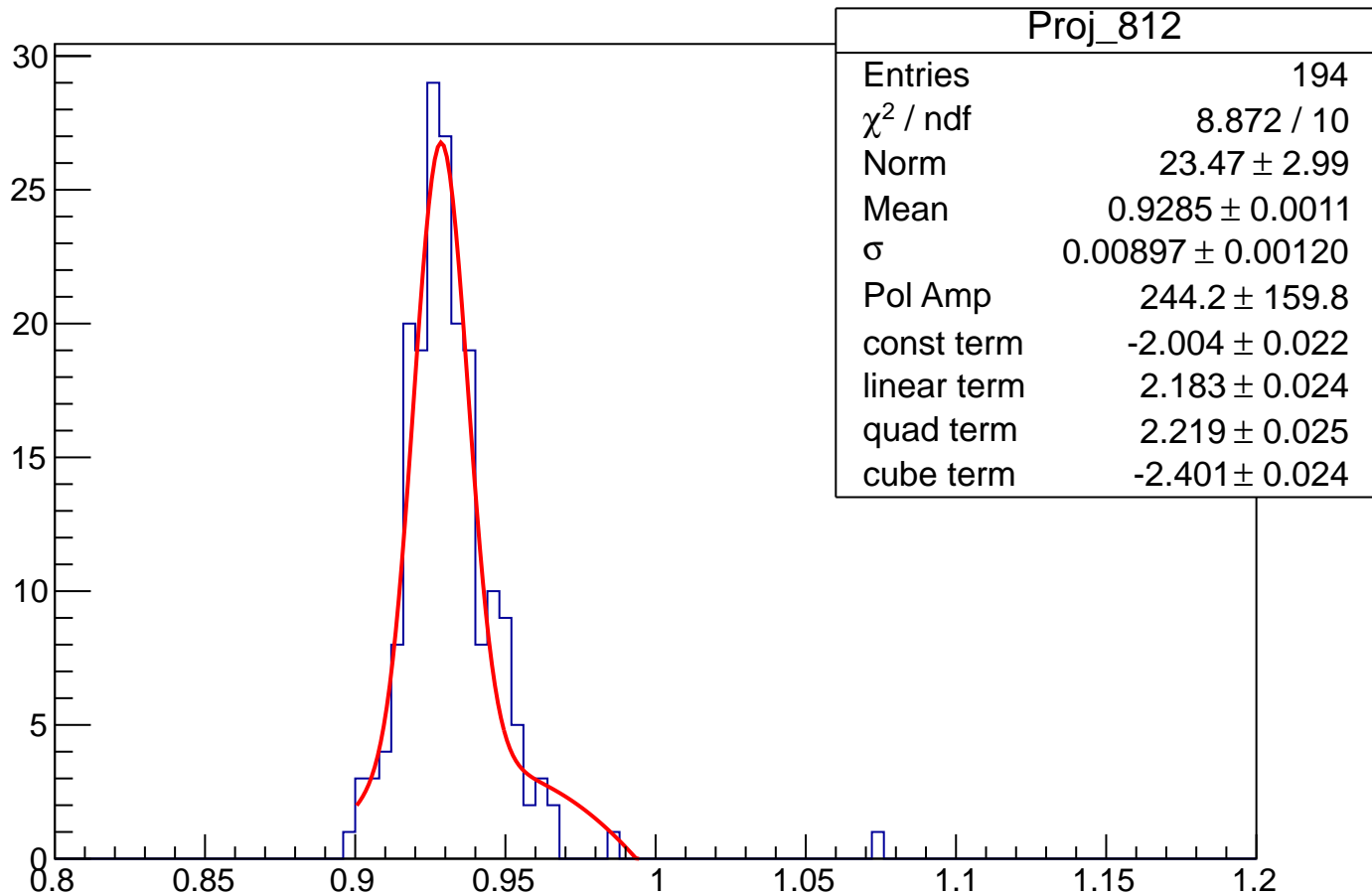
Proj\_810

Entries	264
$\chi^2 / \text{ndf}$	5.309 / 12
Norm	$40.32 \pm 3.57$
Mean	$0.9322 \pm 0.0007$
$\sigma$	$0.008579 \pm 0.000620$
Pol Amp	$888.6 \pm 778.5$
const term	$-0.5485 \pm 0.0049$
linear term	$0.5962 \pm 0.0055$
quad term	$0.5952 \pm 0.0057$
cube term	$-0.6441 \pm 0.0055$

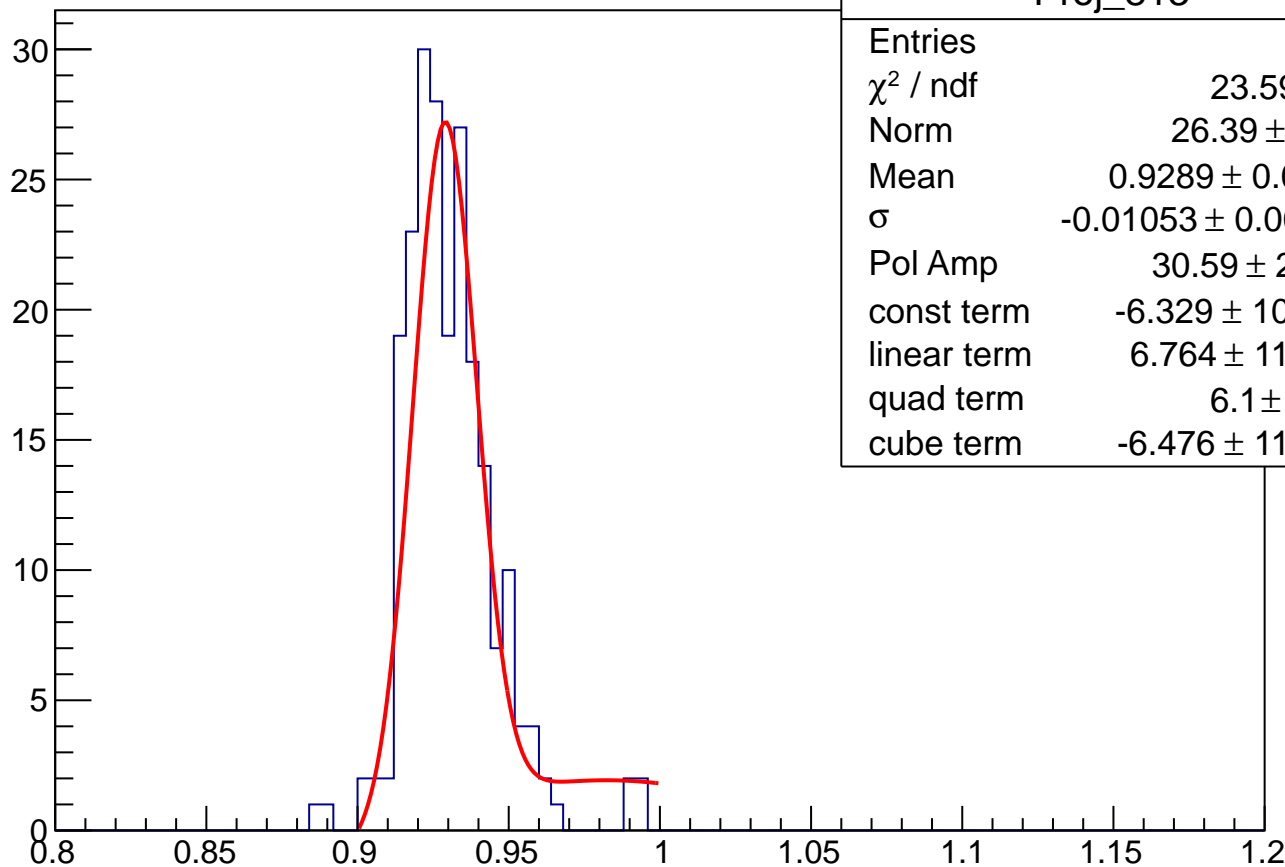
# PhiThetaMassPip



# PhiThetaMassPip



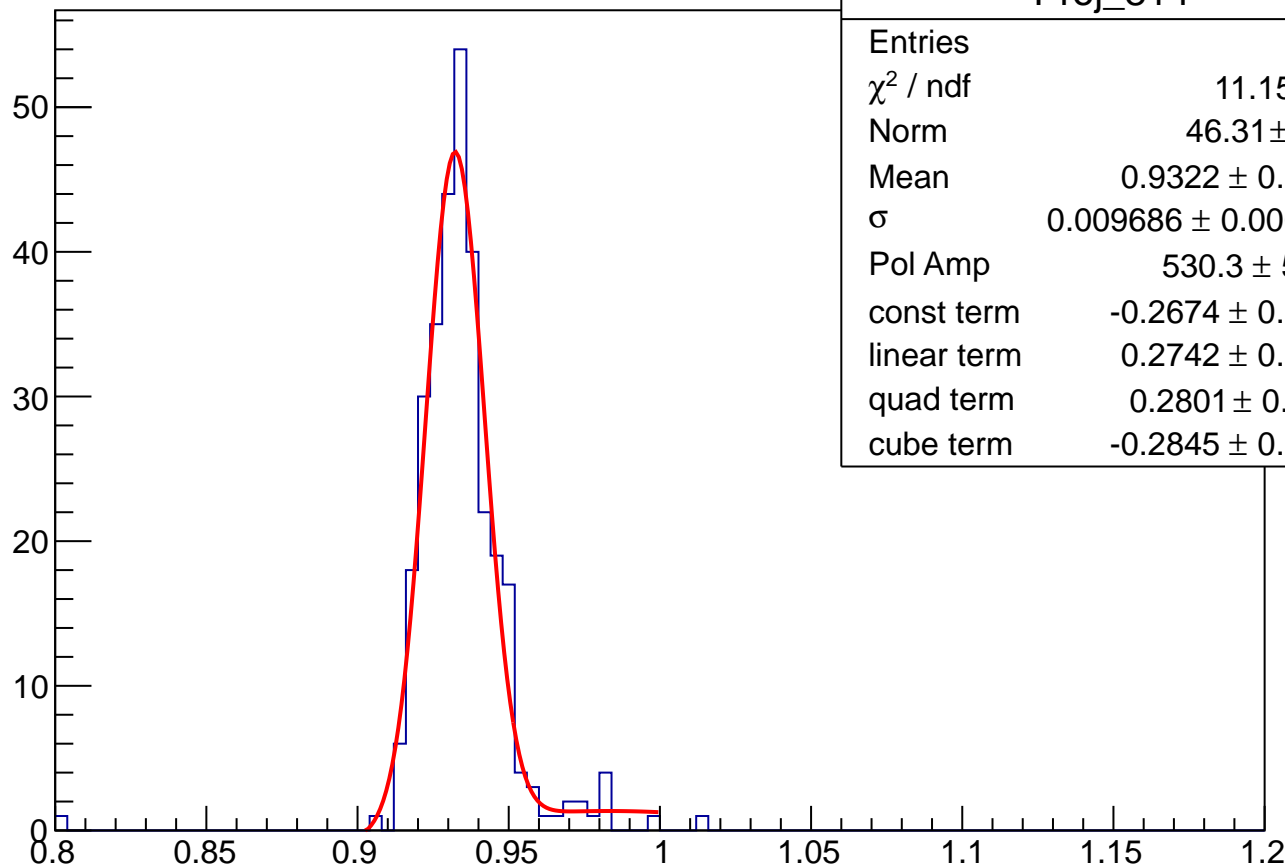
# PhiThetaMassPip



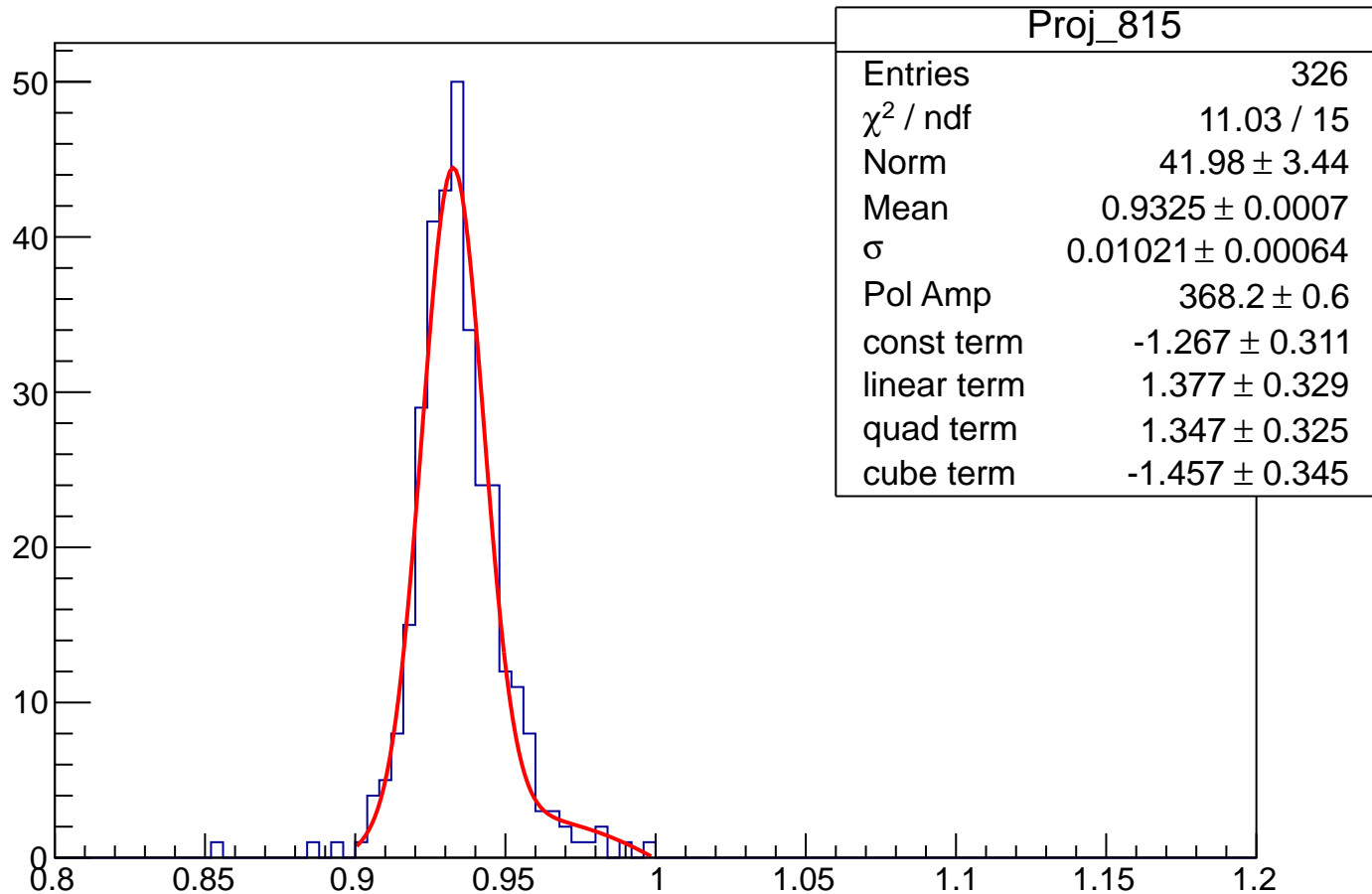
Proj\_813

Entries	218
$\chi^2 / \text{ndf}$	23.59 / 11
Norm	$26.39 \pm 2.61$
Mean	$0.9289 \pm 0.0012$
$\sigma$	$-0.01053 \pm 0.00117$
Pol Amp	$30.59 \pm 20.21$
const term	$-6.329 \pm 10.219$
linear term	$6.764 \pm 11.357$
quad term	$6.1 \pm 10.0$
cube term	$-6.476 \pm 11.132$

# PhiThetaMassPip

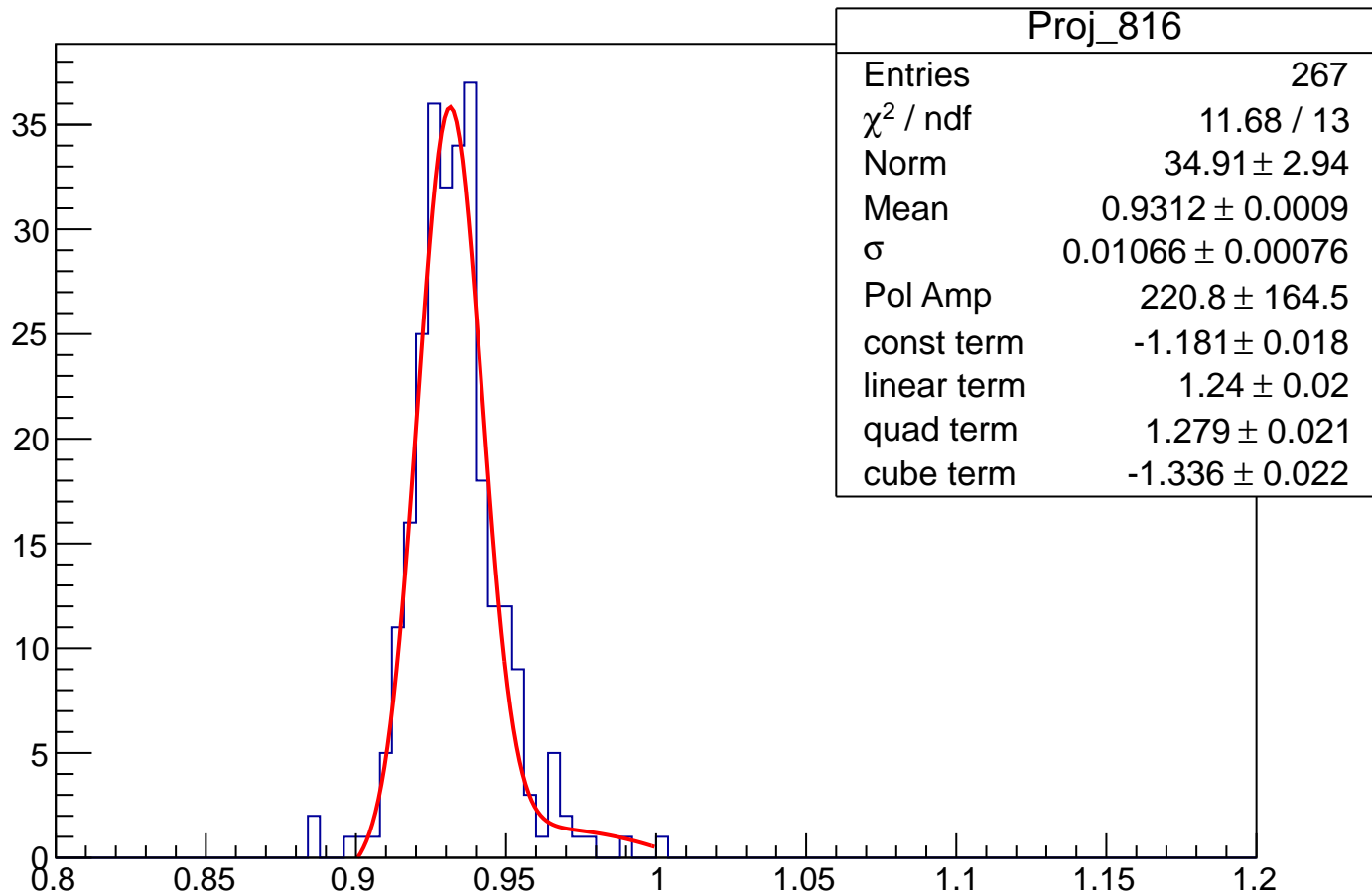


# PhiThetaMassPip

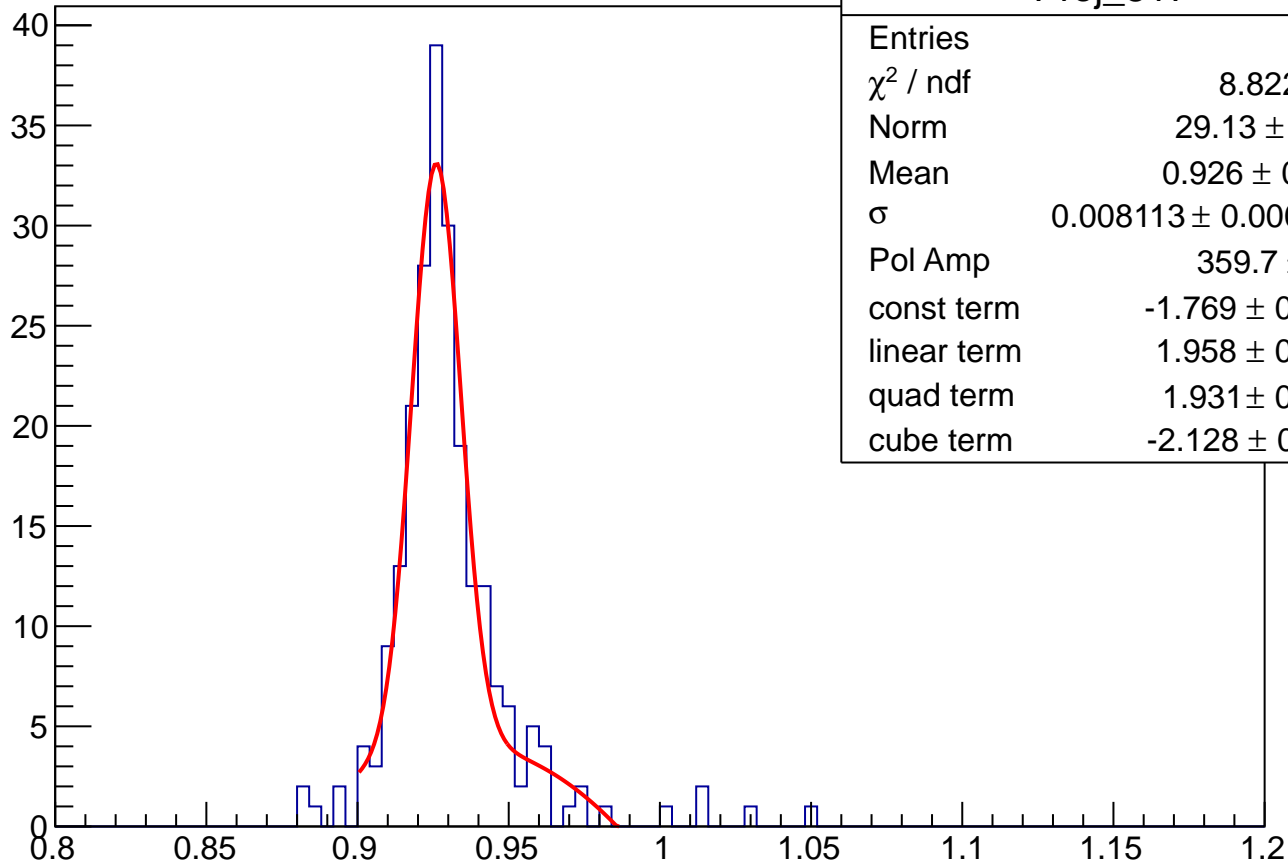




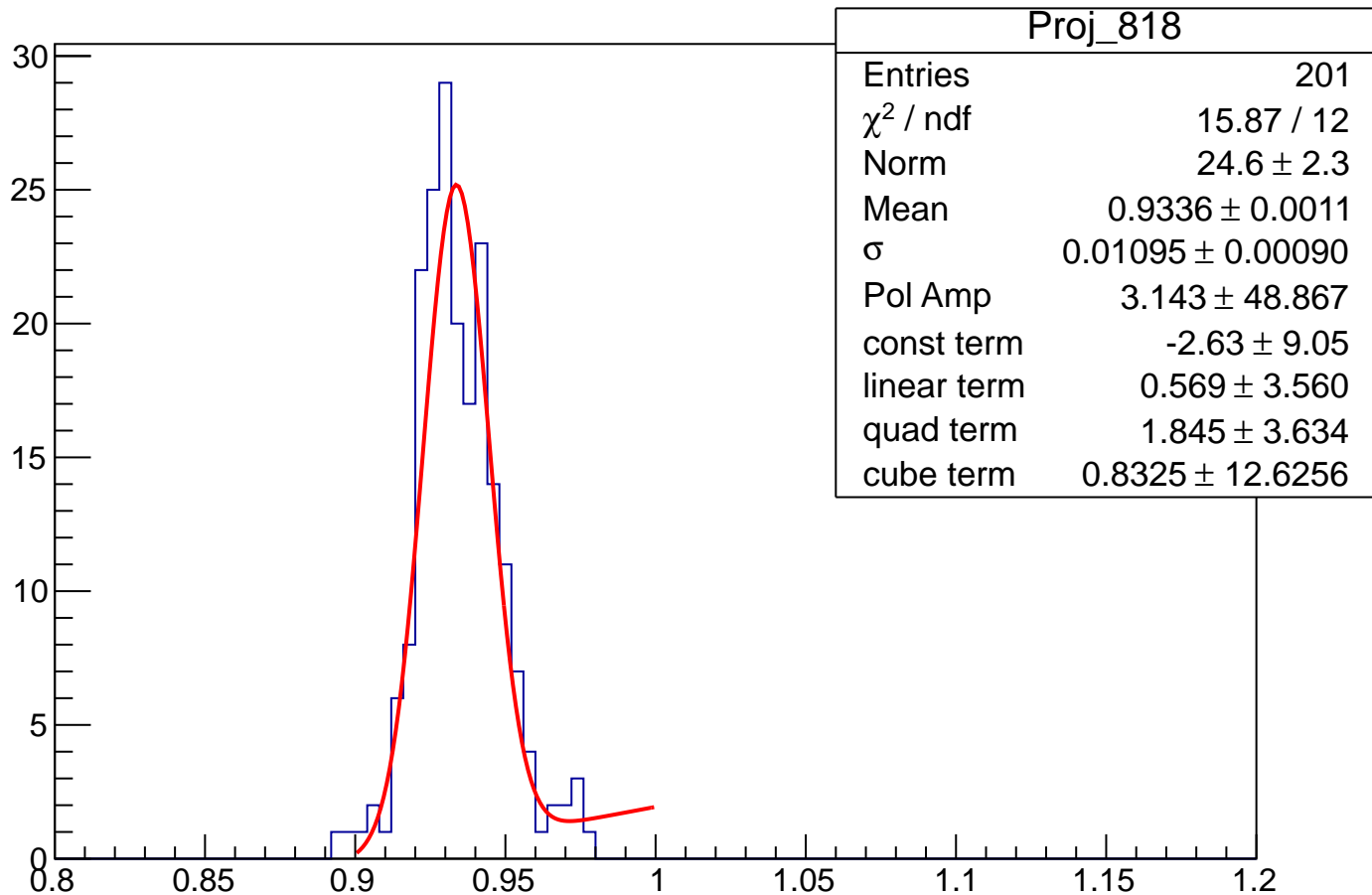
# PhiThetaMassPip



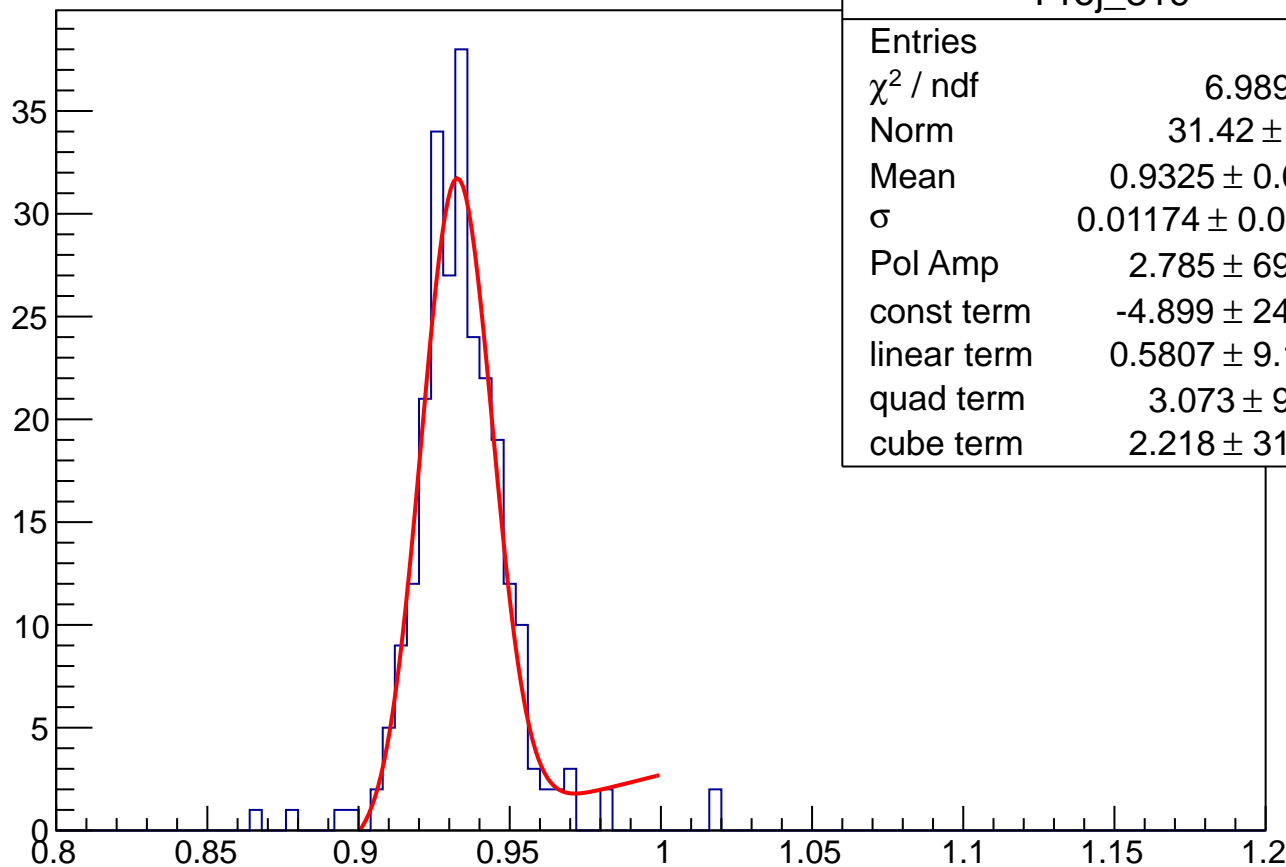
# PhiThetaMassPip



# PhiThetaMassPip



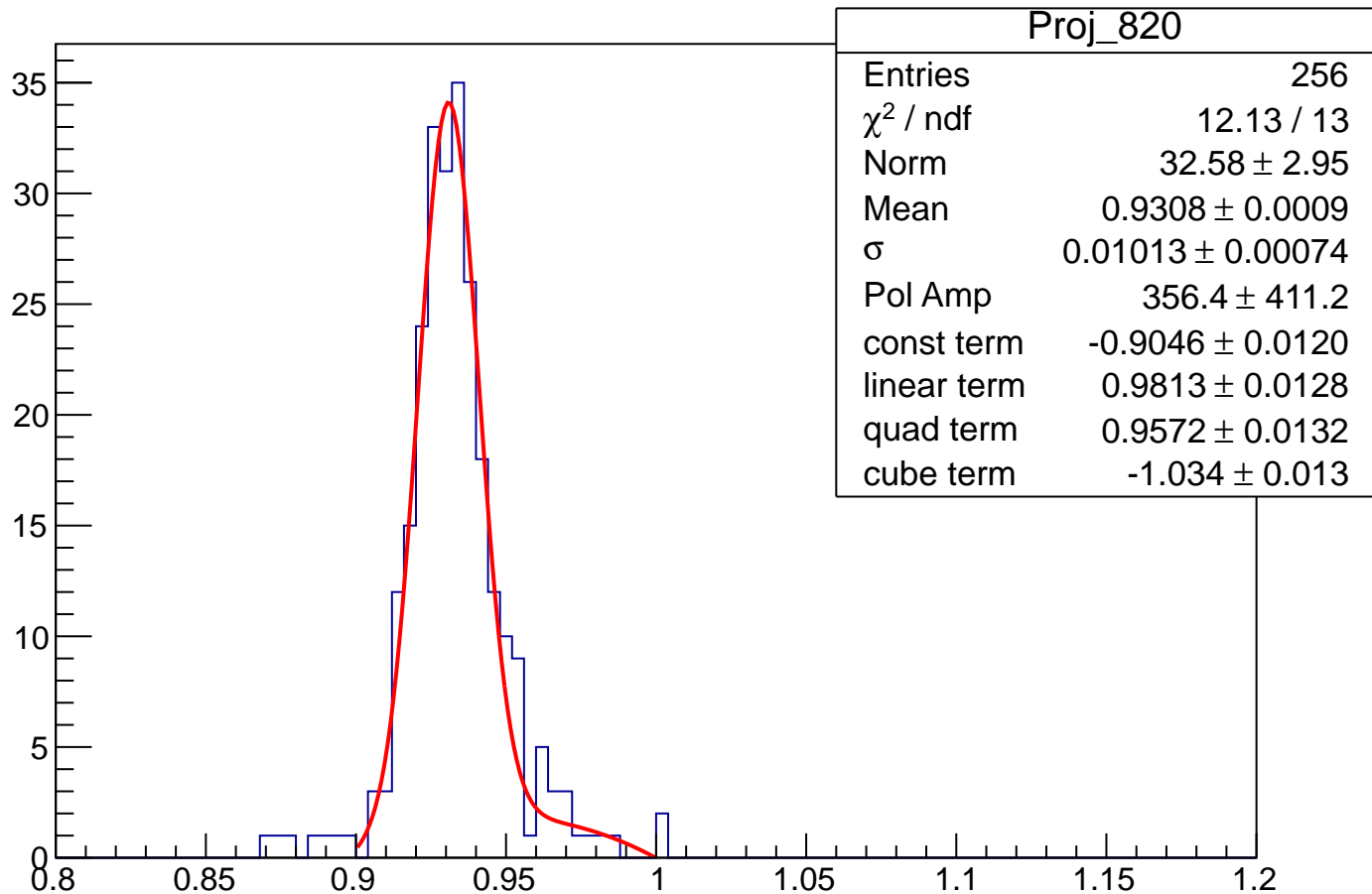
# PhiThetaMassPip



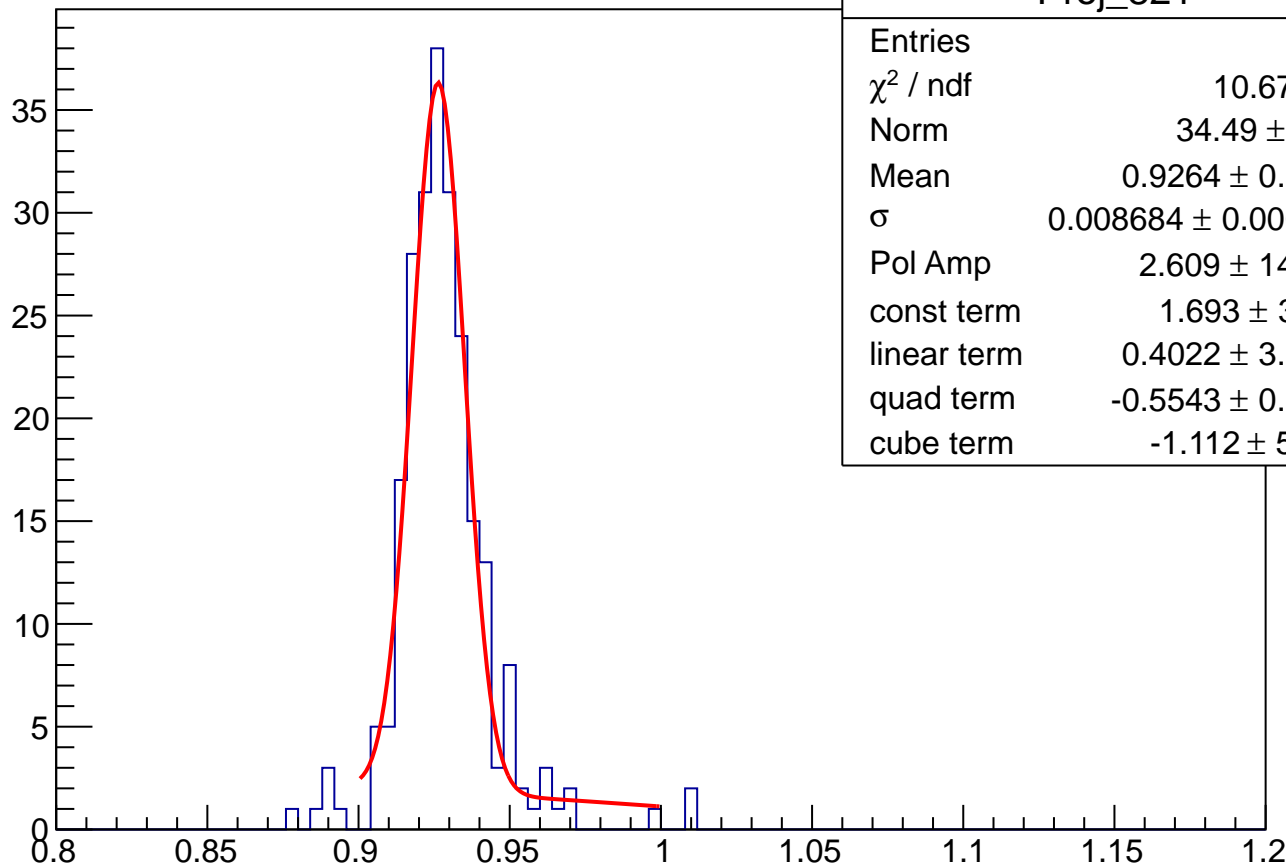
Proj\_819

Entries	253
$\chi^2 / \text{ndf}$	6.989 / 10
Norm	$31.42 \pm 2.72$
Mean	$0.9325 \pm 0.0009$
$\sigma$	$0.01174 \pm 0.00071$
Pol Amp	$2.785 \pm 69.170$
const term	$-4.899 \pm 24.977$
linear term	$0.5807 \pm 9.1235$
quad term	$3.073 \pm 9.762$
cube term	$2.218 \pm 31.859$

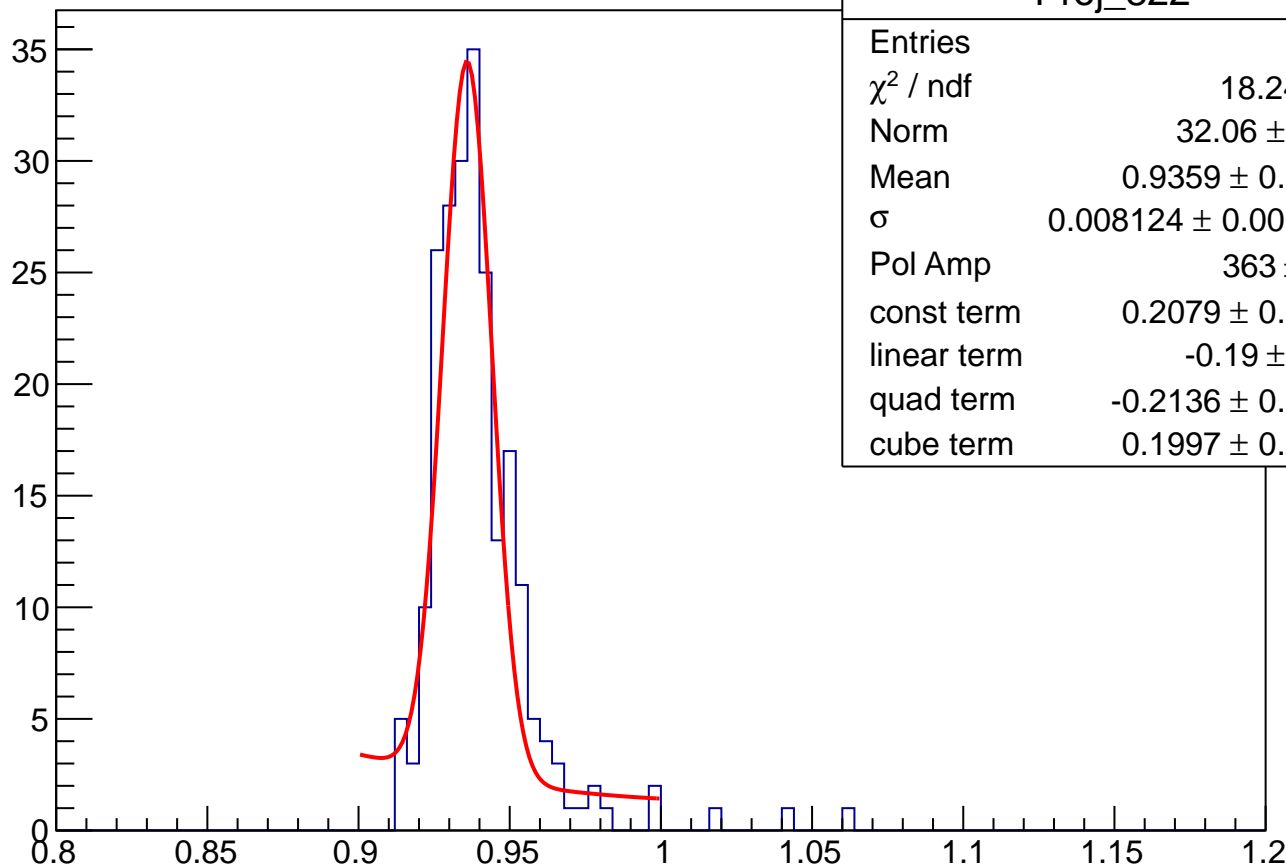
# PhiThetaMassPip



# PhiThetaMassPip



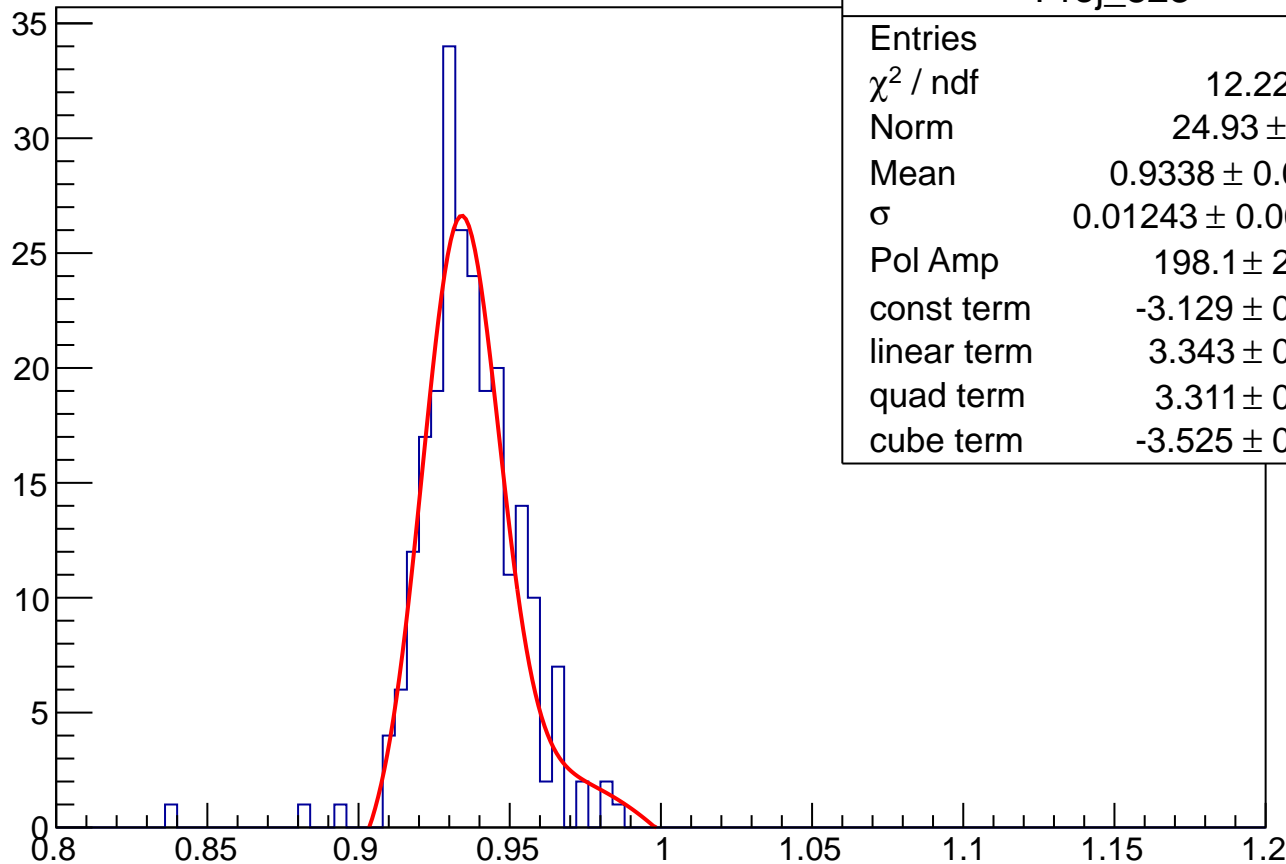
# PhiThetaMassPip



Proj\_822

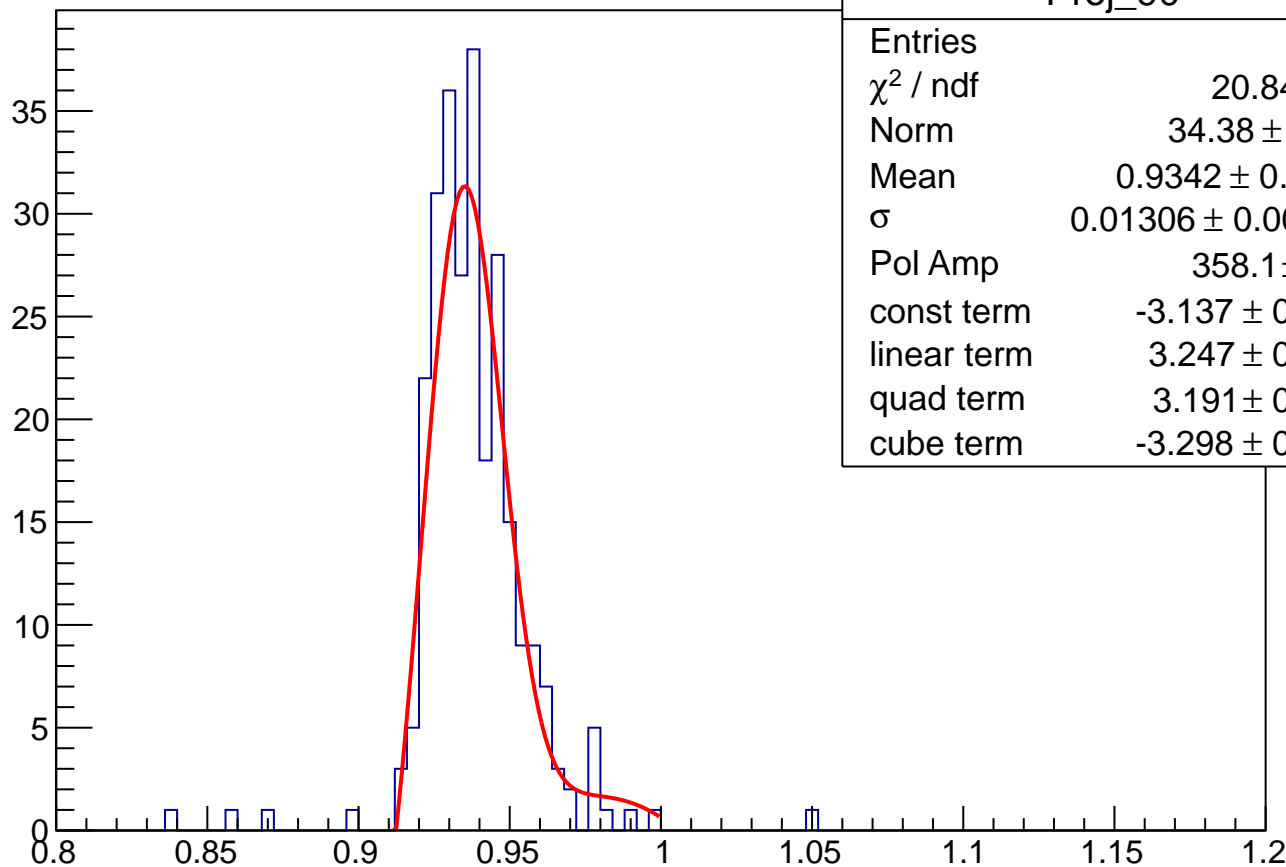
Entries	225
$\chi^2 / \text{ndf}$	18.24 / 11
Norm	$32.06 \pm 3.15$
Mean	$0.9359 \pm 0.0007$
$\sigma$	$0.008124 \pm 0.000284$
Pol Amp	$363 \pm 0.3$
const term	$0.2079 \pm 0.0553$
linear term	$-0.19 \pm 0.07$
quad term	$-0.2136 \pm 0.0667$
cube term	$0.1997 \pm 0.0874$

# PhiThetaMassPip

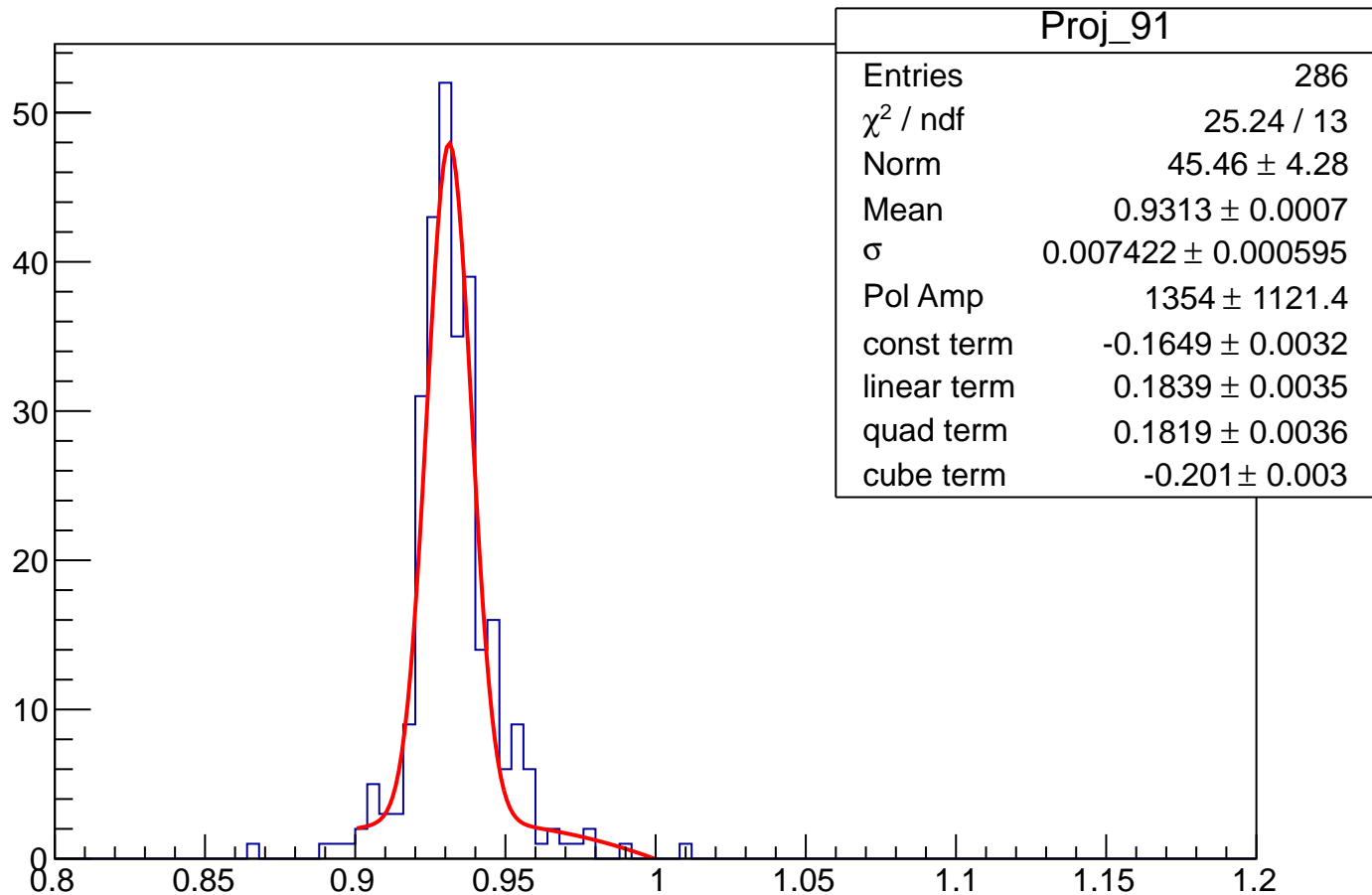




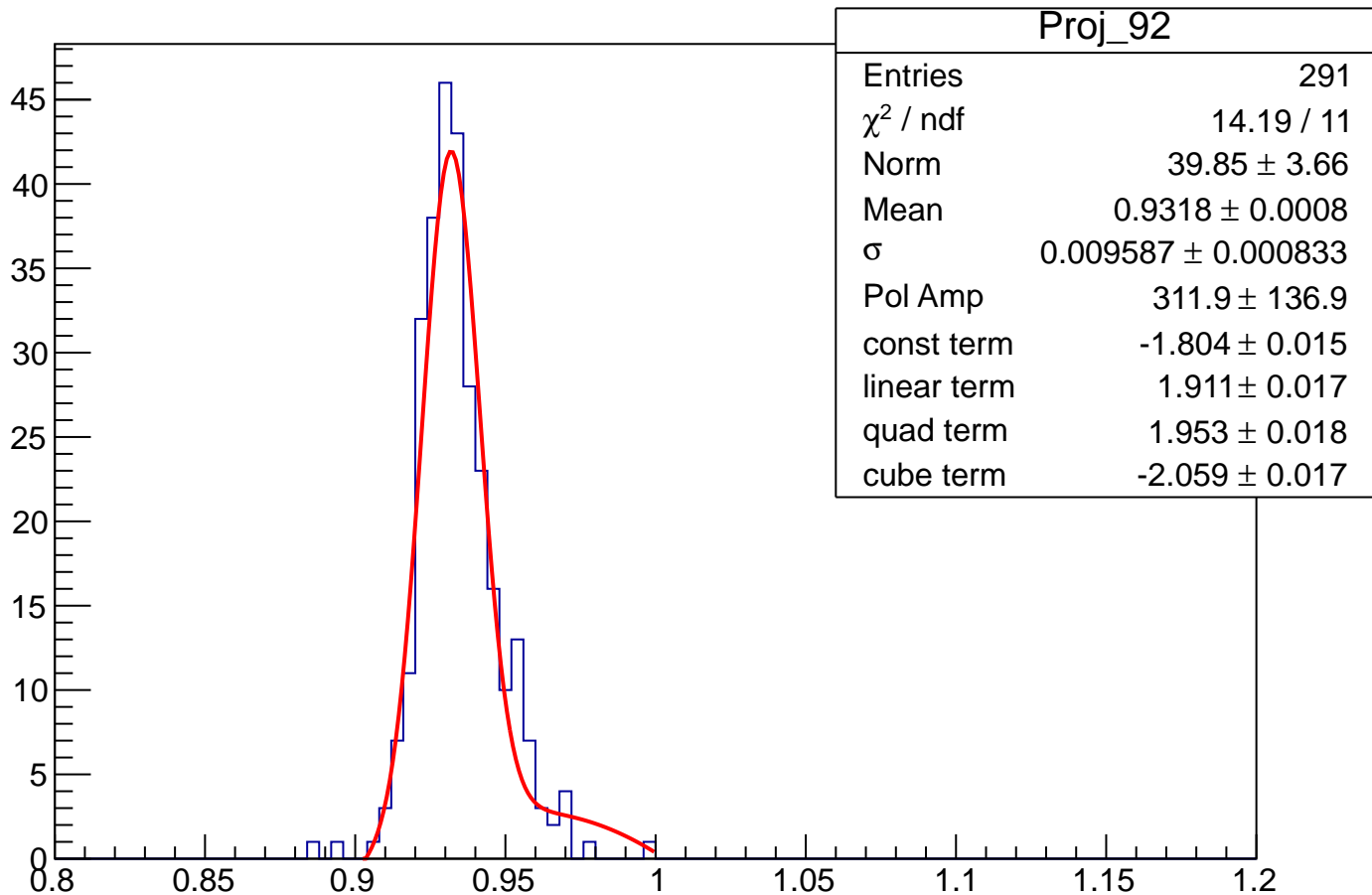
# PhiThetaMassPip



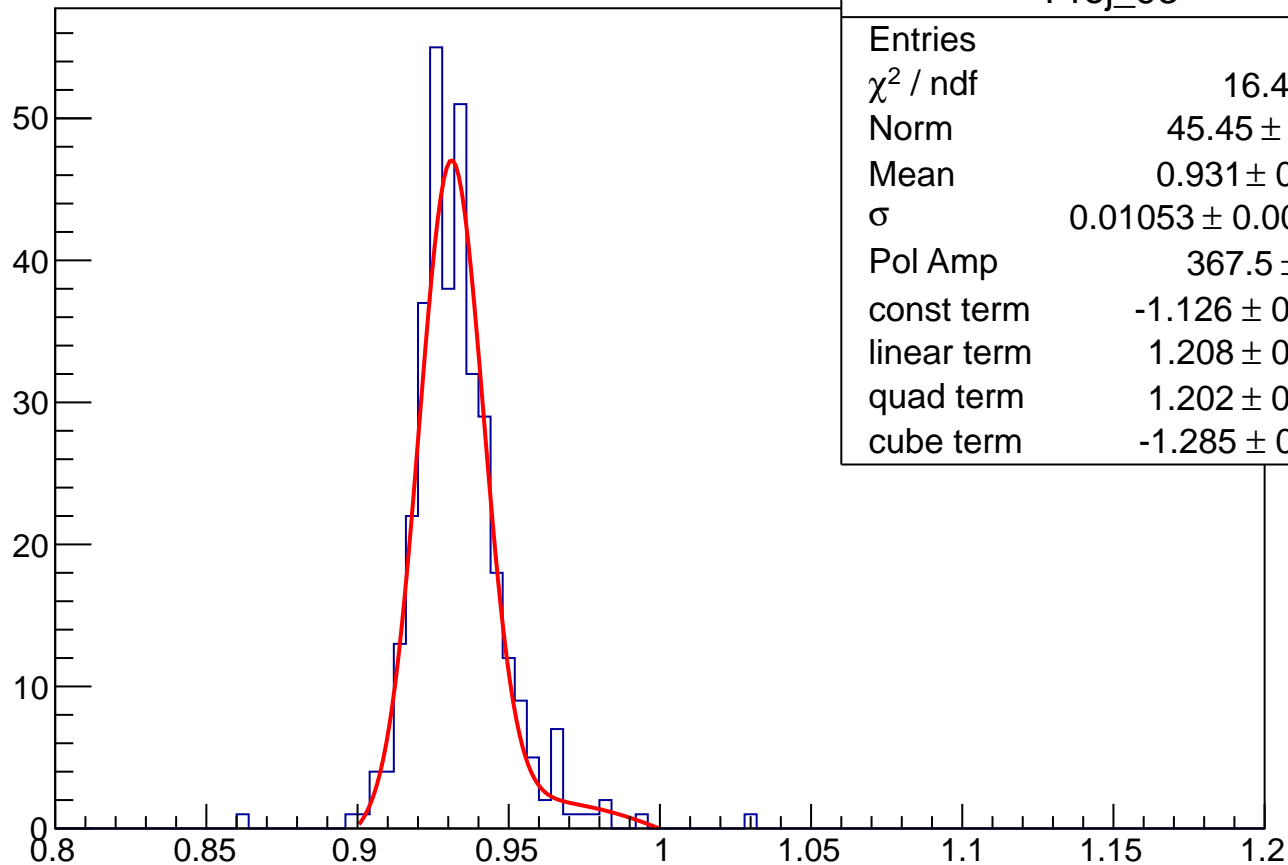
# PhiThetaMassPip



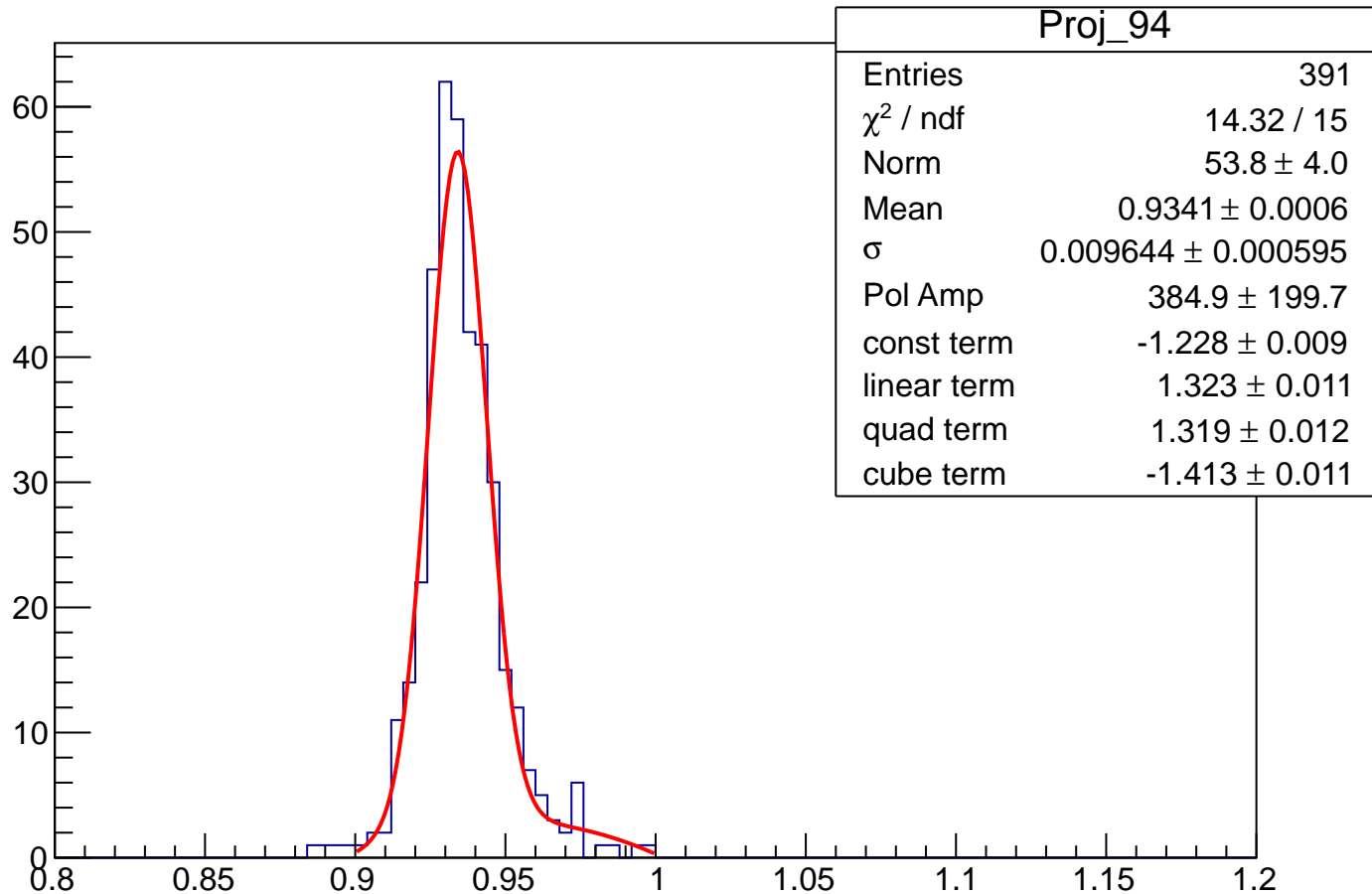
# PhiThetaMassPip



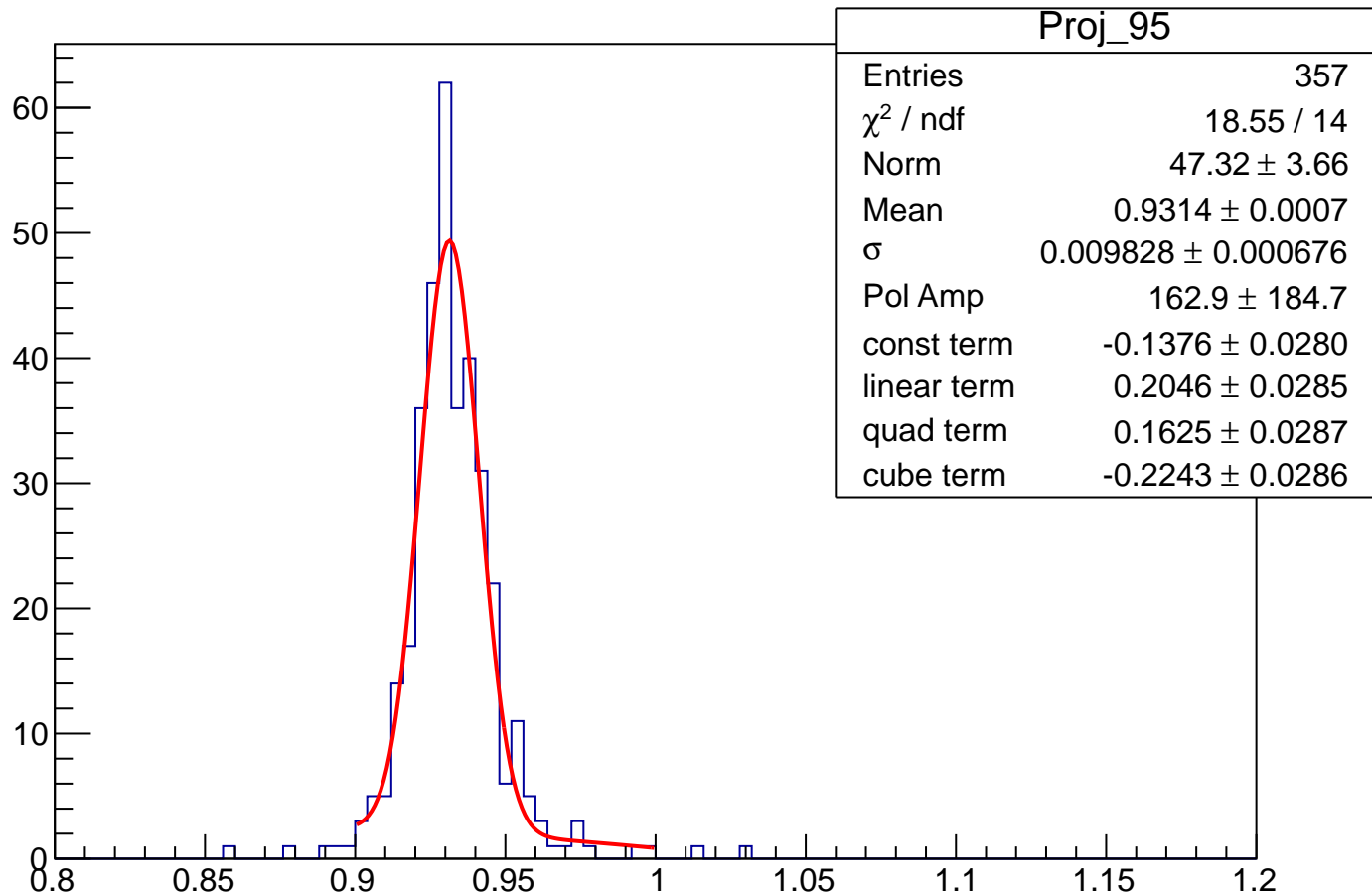
# PhiThetaMassPip



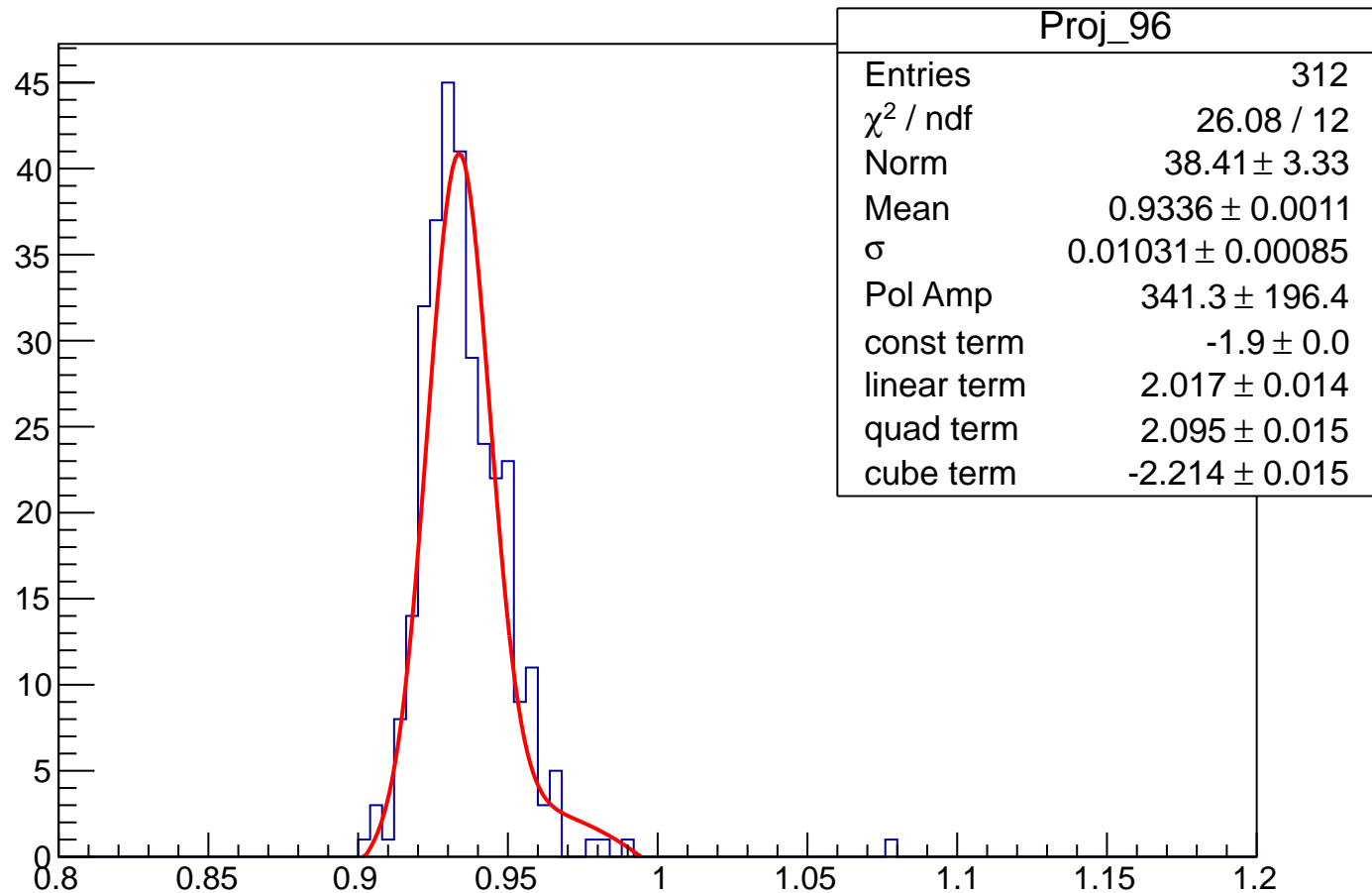
# PhiThetaMassPip



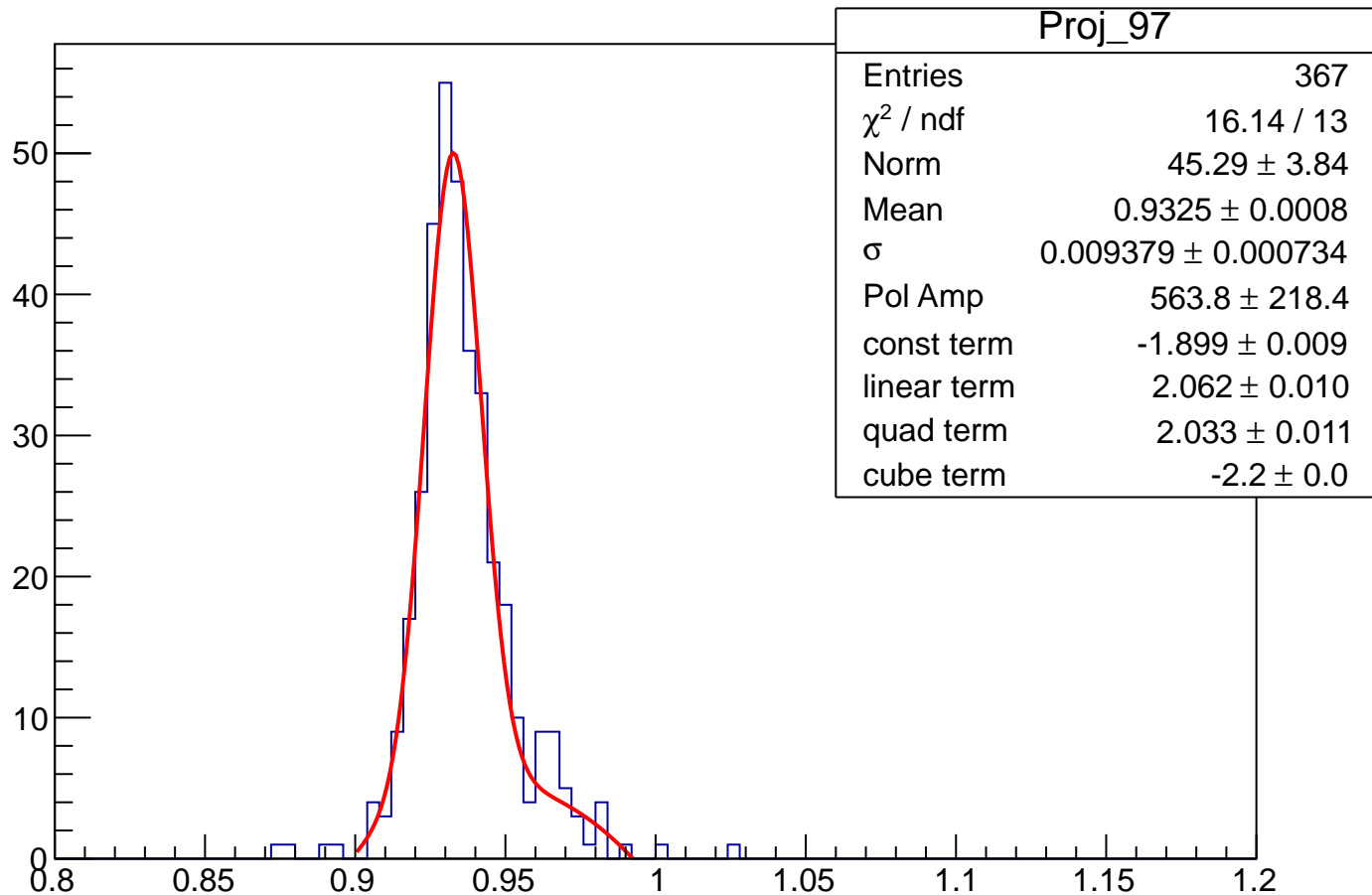
# PhiThetaMassPip



# PhiThetaMassPip

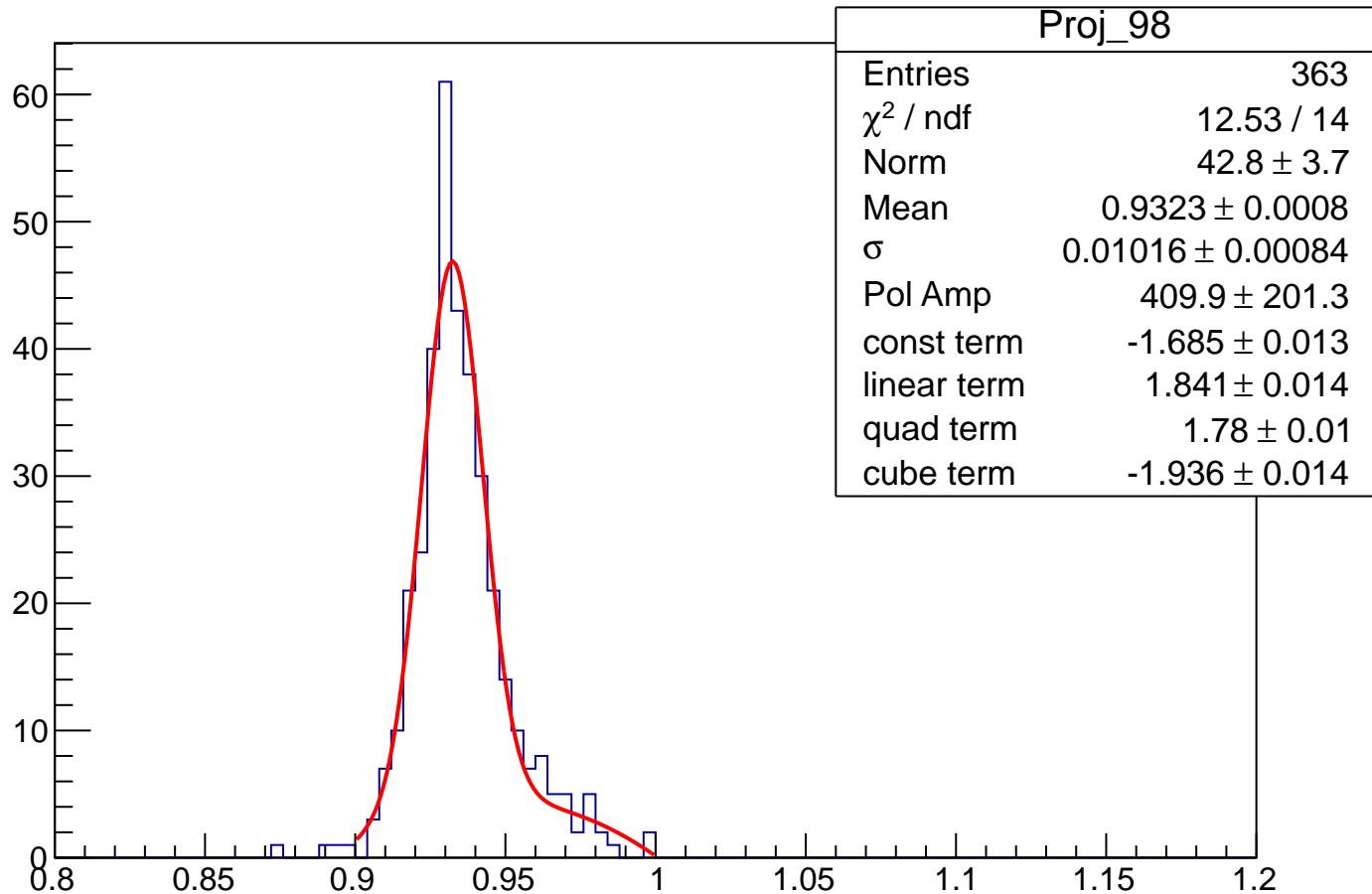


# PhiThetaMassPip

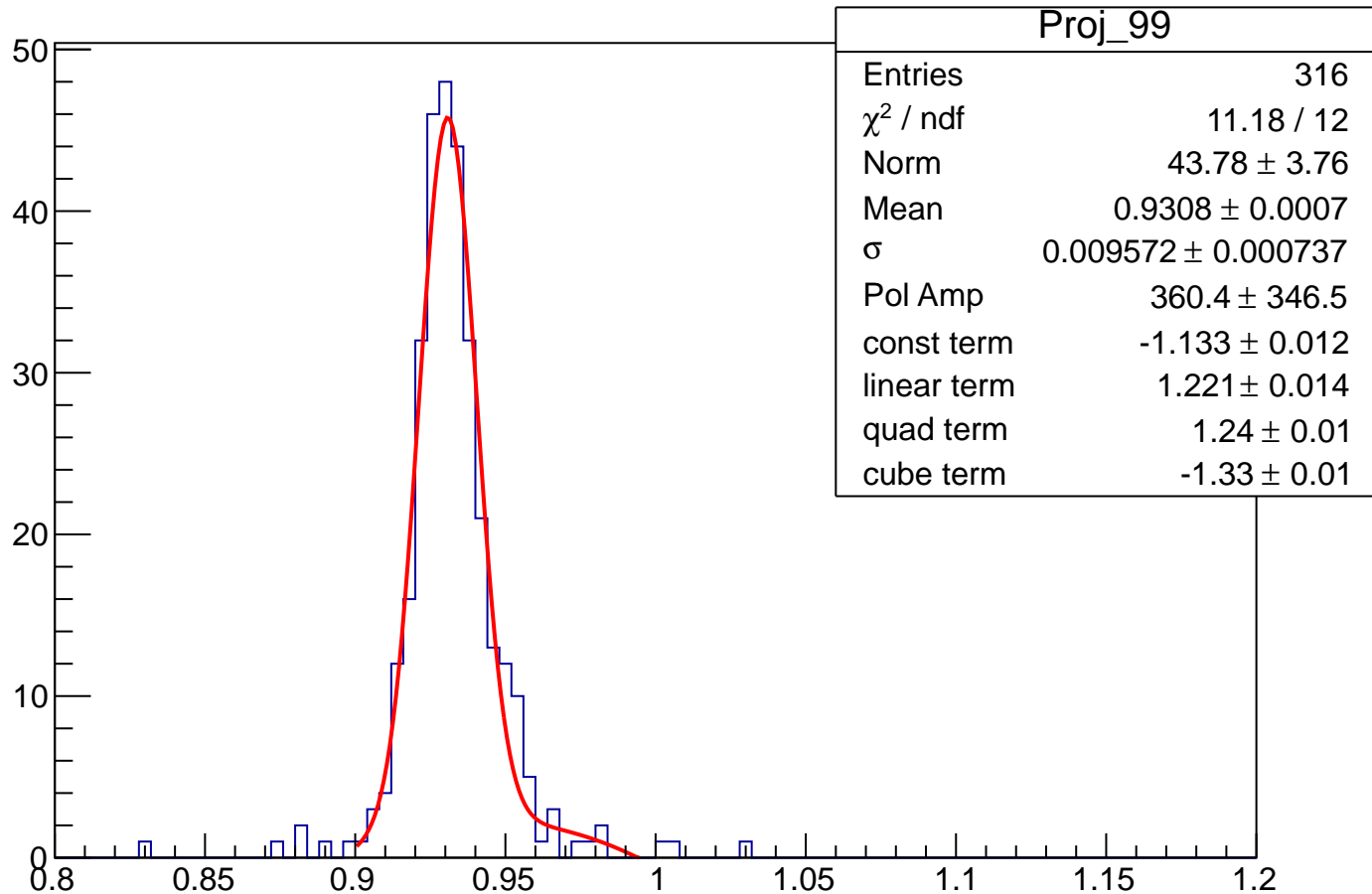




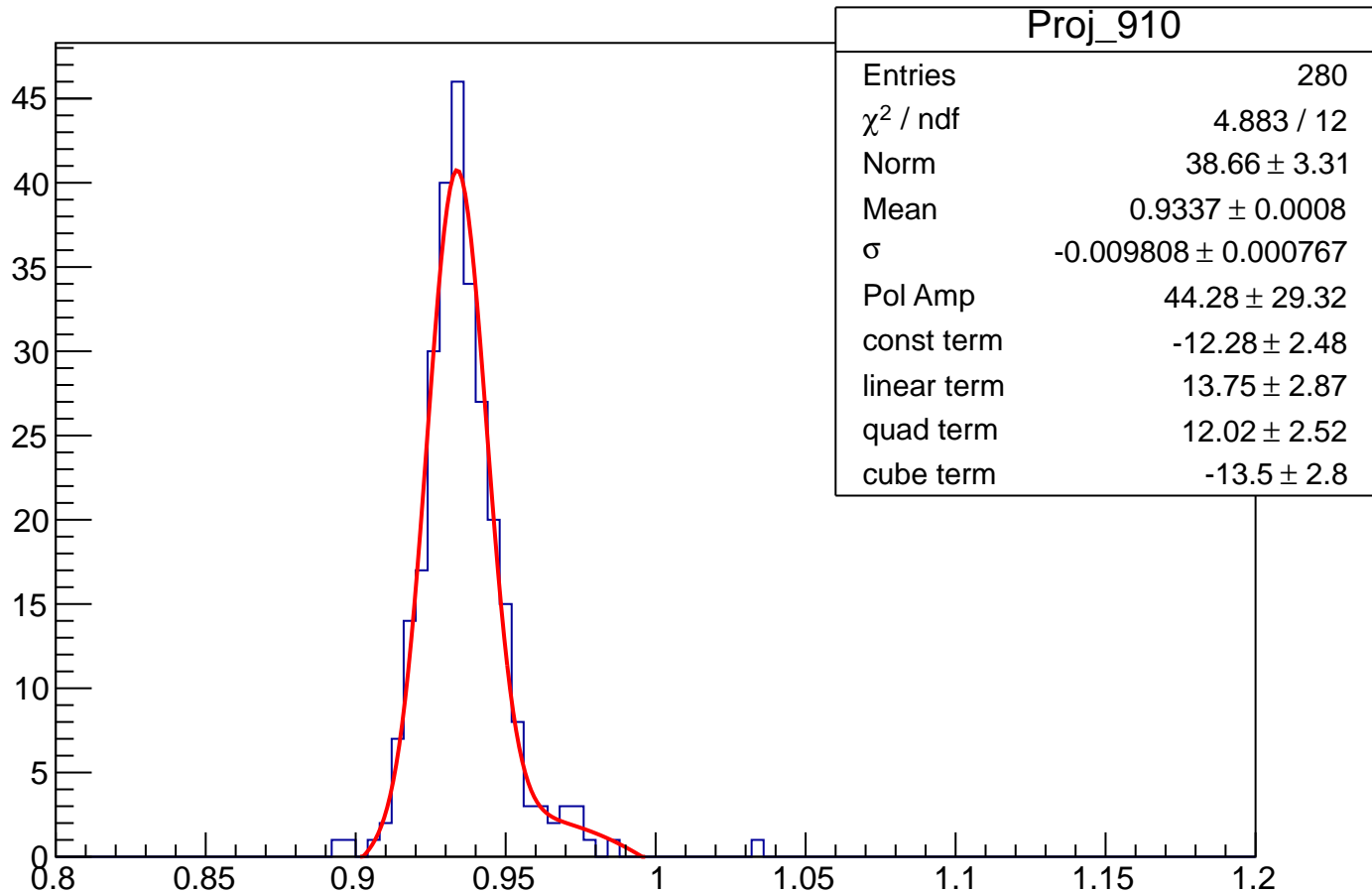
# PhiThetaMassPip



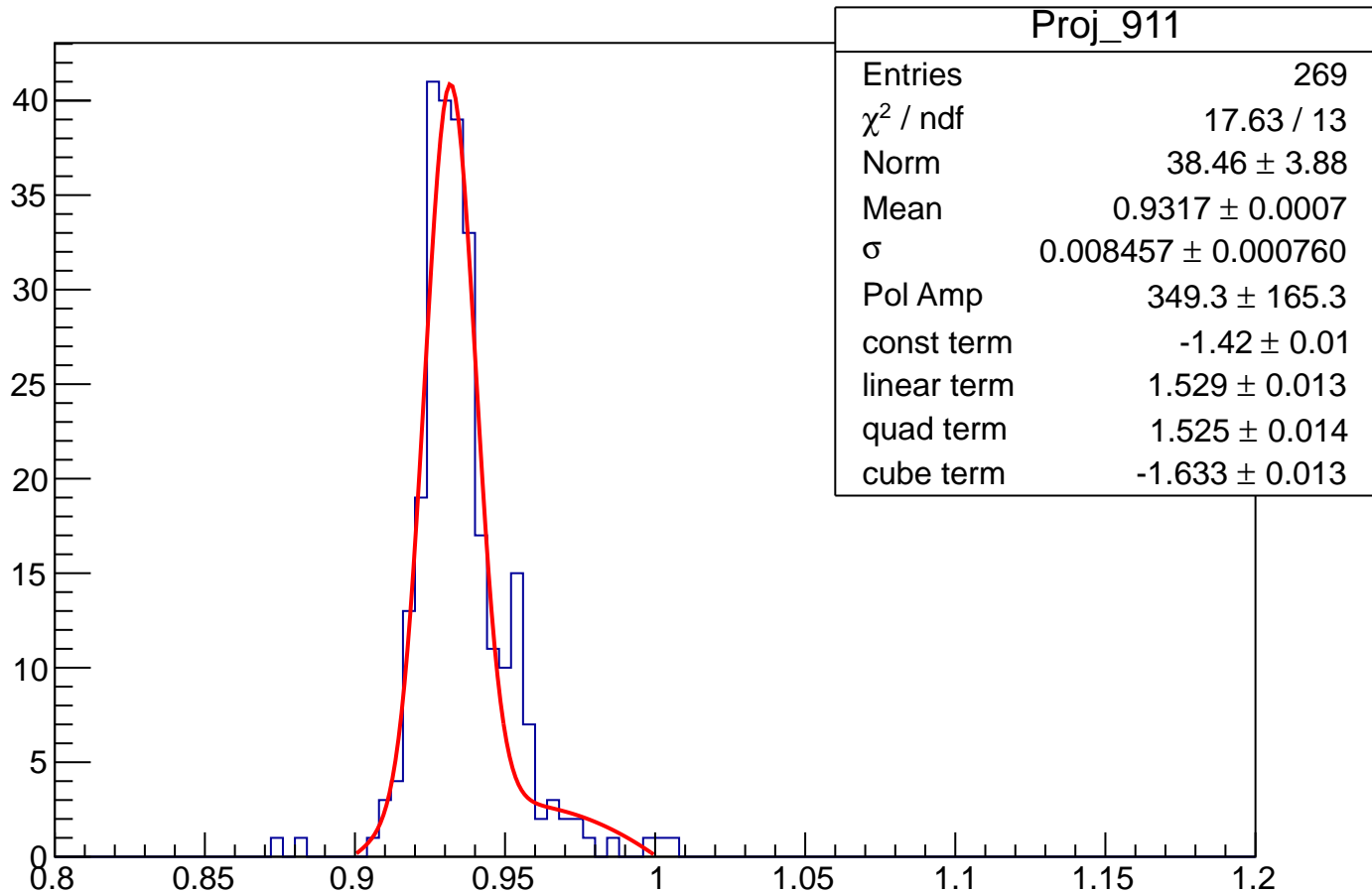
# PhiThetaMassPip



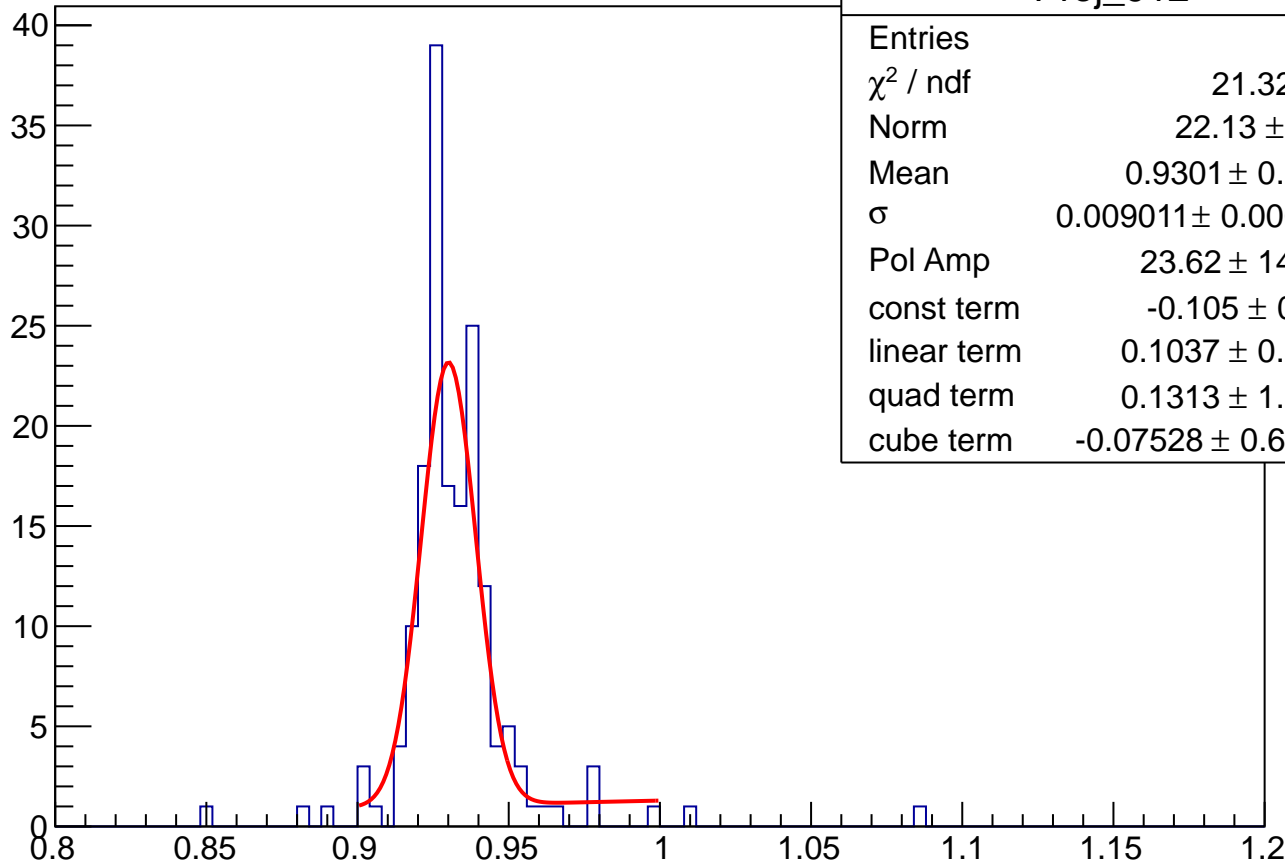
# PhiThetaMassPip



# PhiThetaMassPip



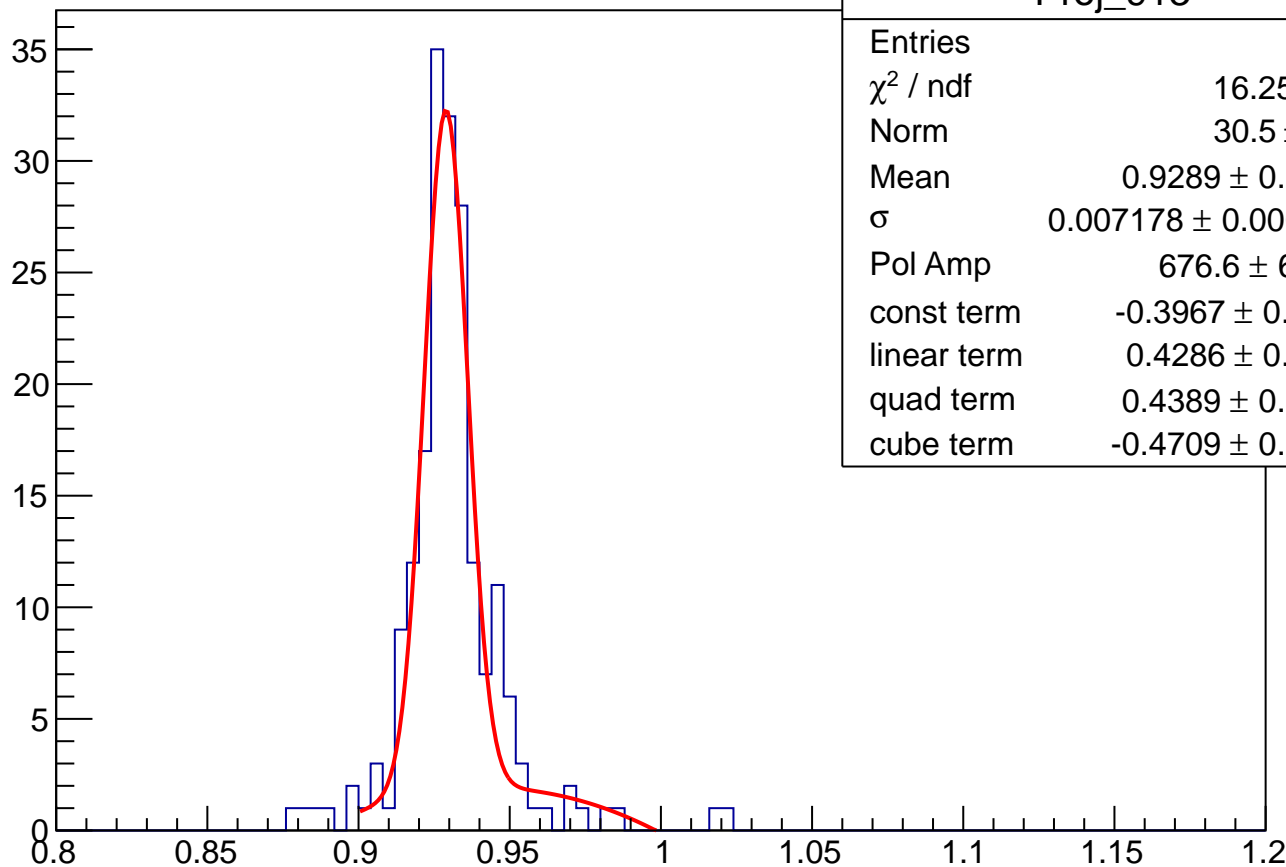
# PhiThetaMassPip



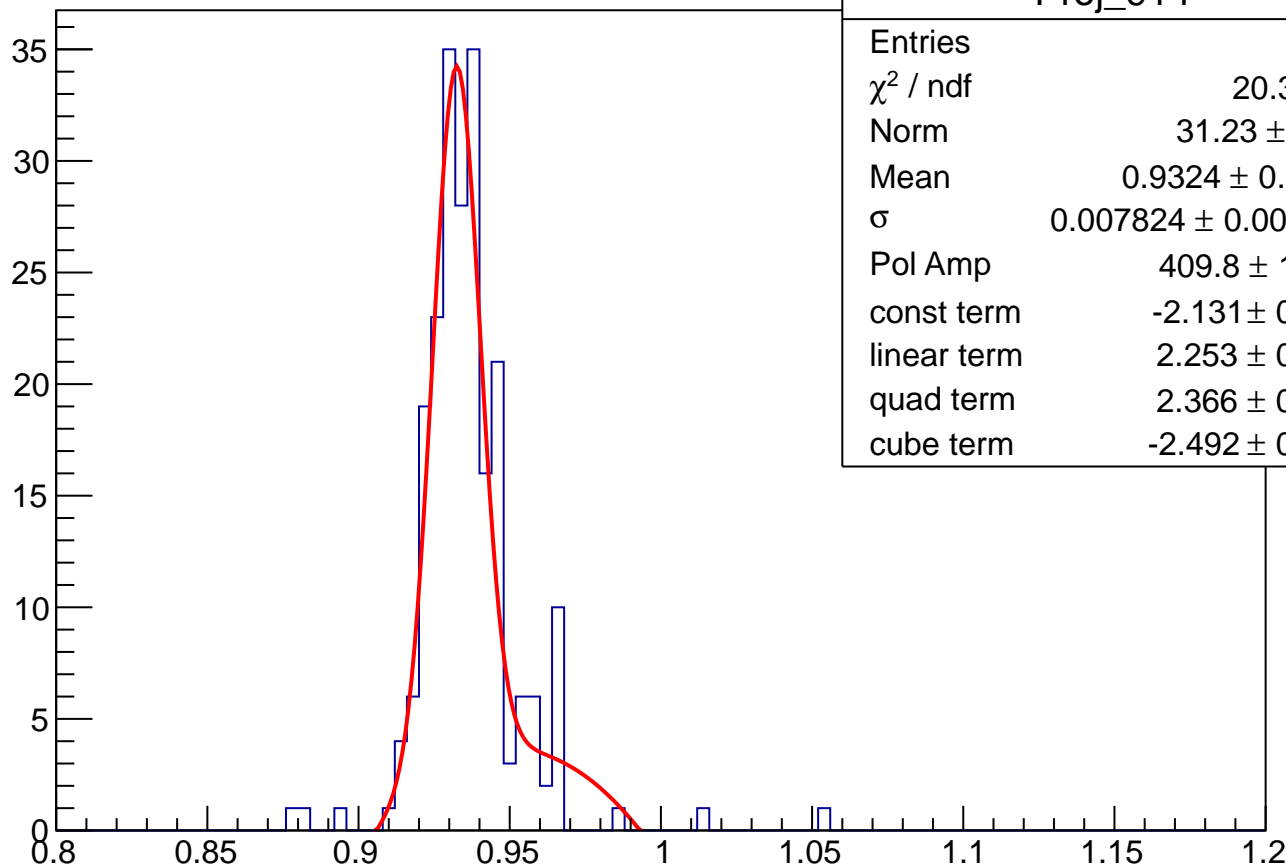
Proj\_912

Entries	169
$\chi^2 / \text{ndf}$	21.32 / 10
Norm	$22.13 \pm 2.45$
Mean	$0.9301 \pm 0.0010$
$\sigma$	$0.009011 \pm 0.000887$
Pol Amp	$23.62 \pm 140.55$
const term	$-0.105 \pm 0.912$
linear term	$0.1037 \pm 0.8096$
quad term	$0.1313 \pm 1.0150$
cube term	$-0.07528 \pm 0.64976$

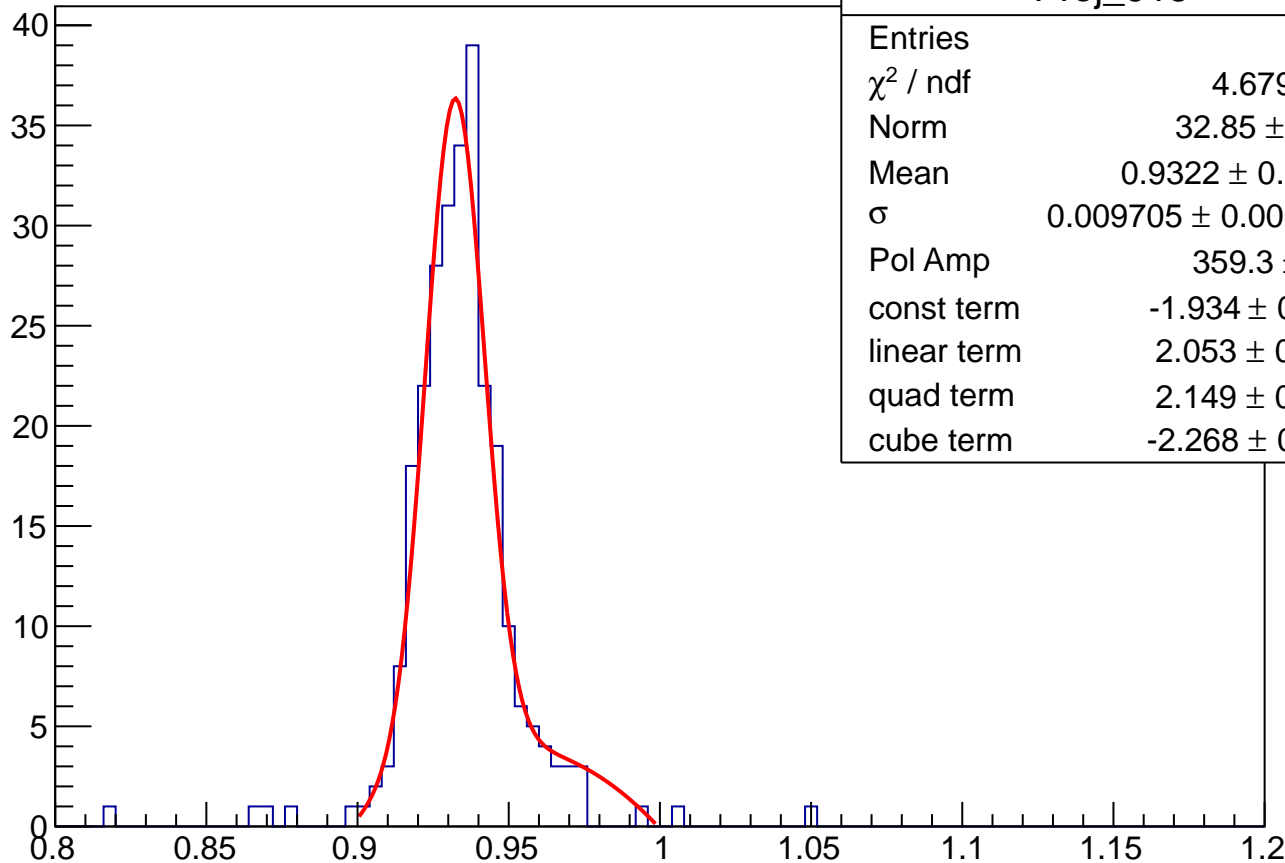
# PhiThetaMassPip



# PhiThetaMassPip

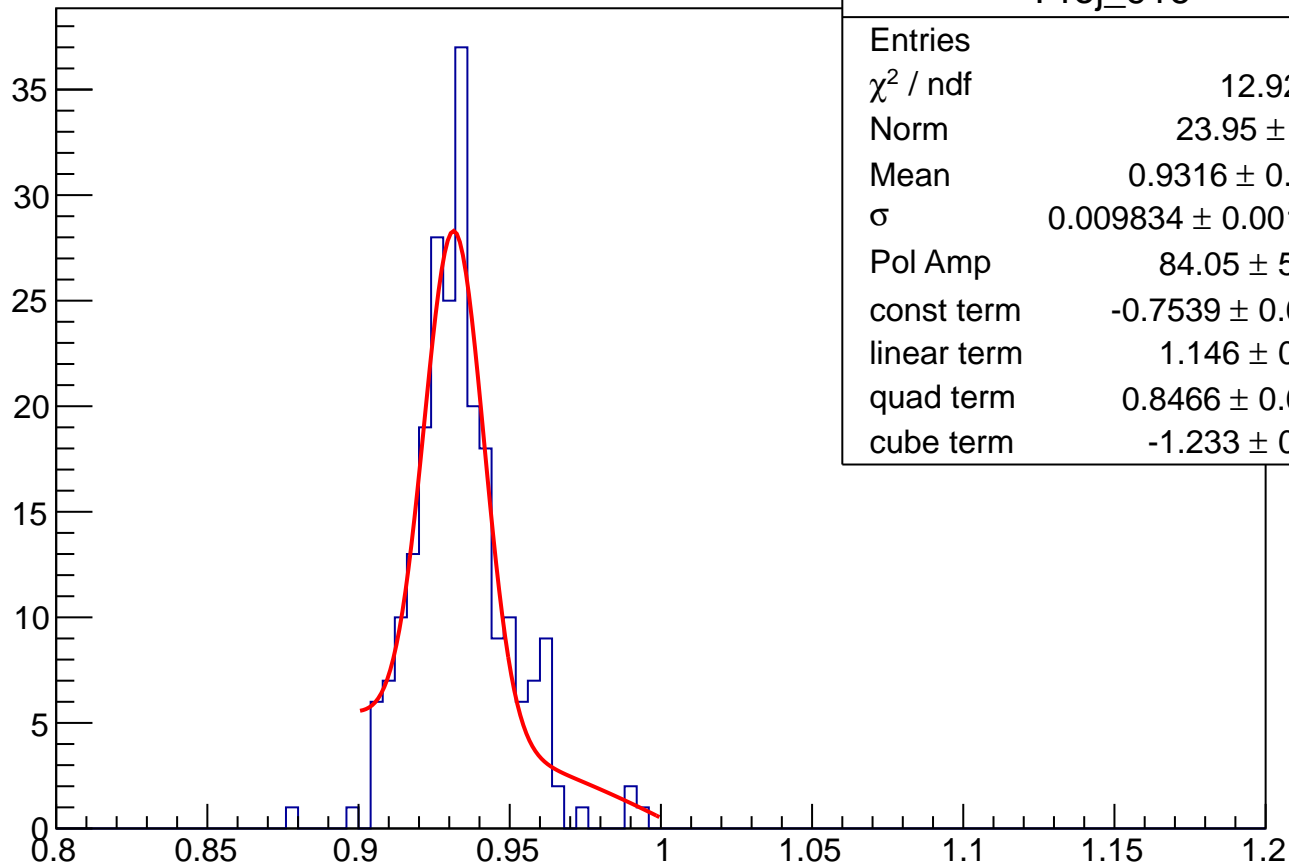


# PhiThetaMassPip

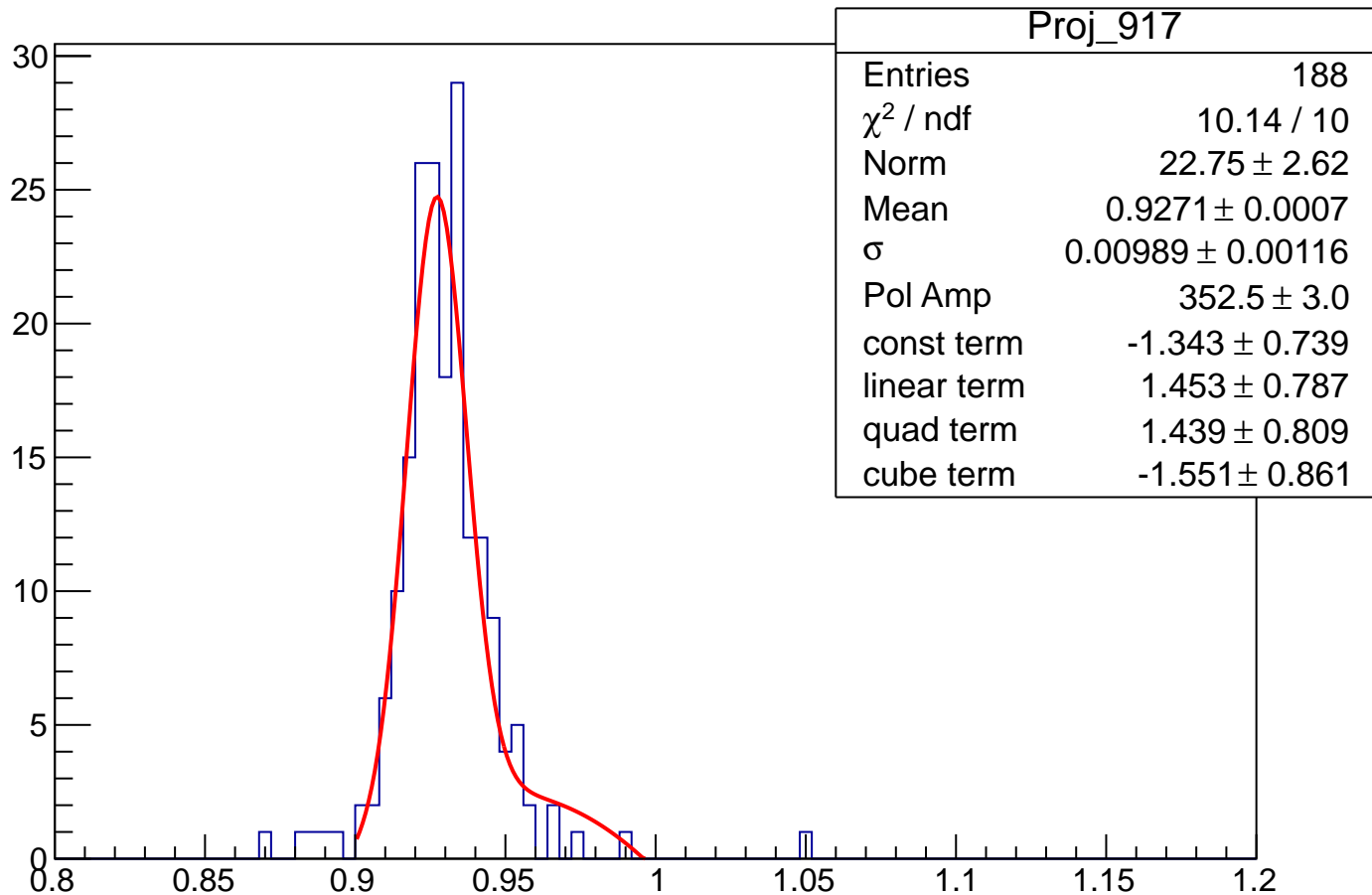




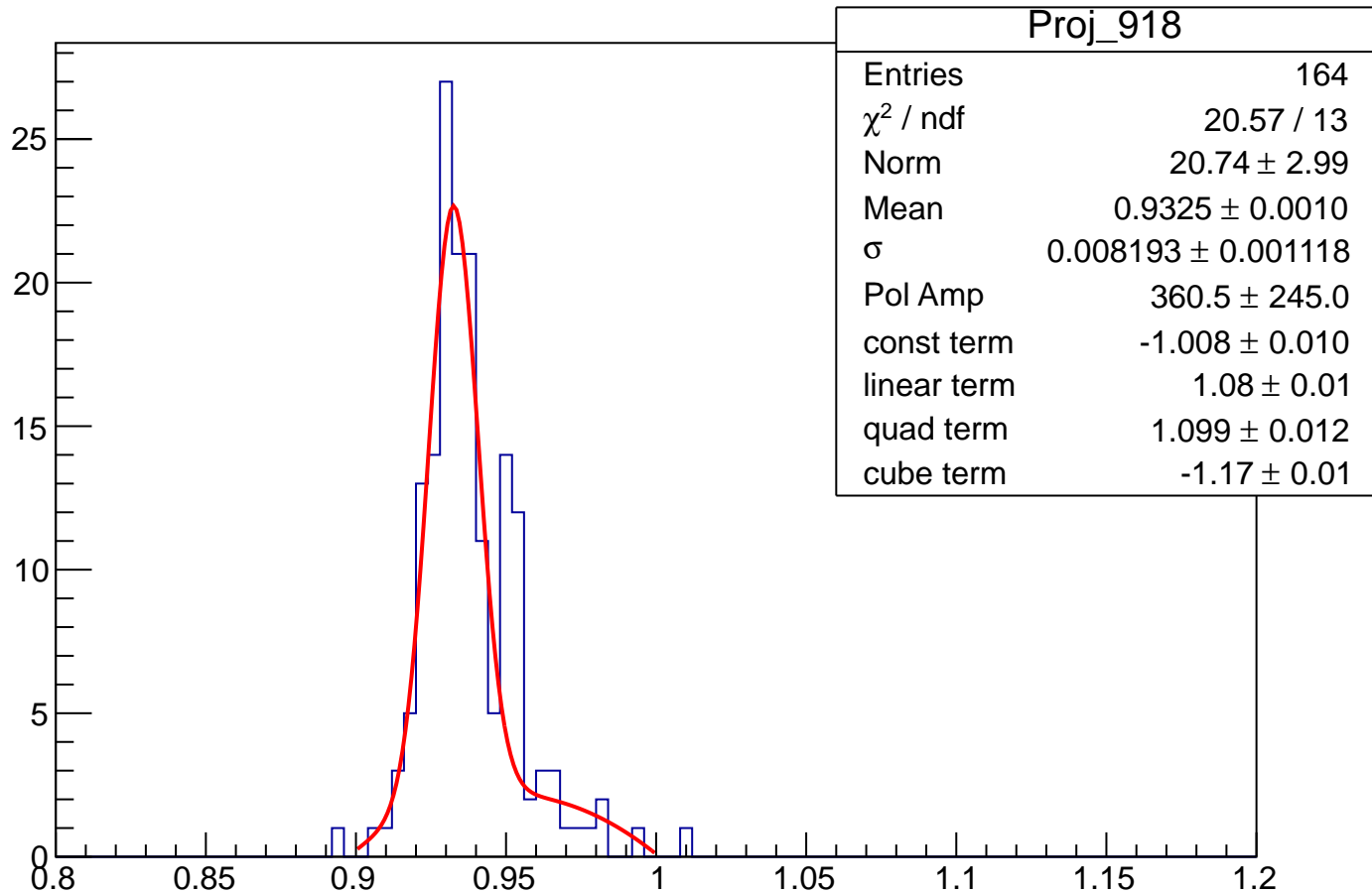
# PhiThetaMassPip



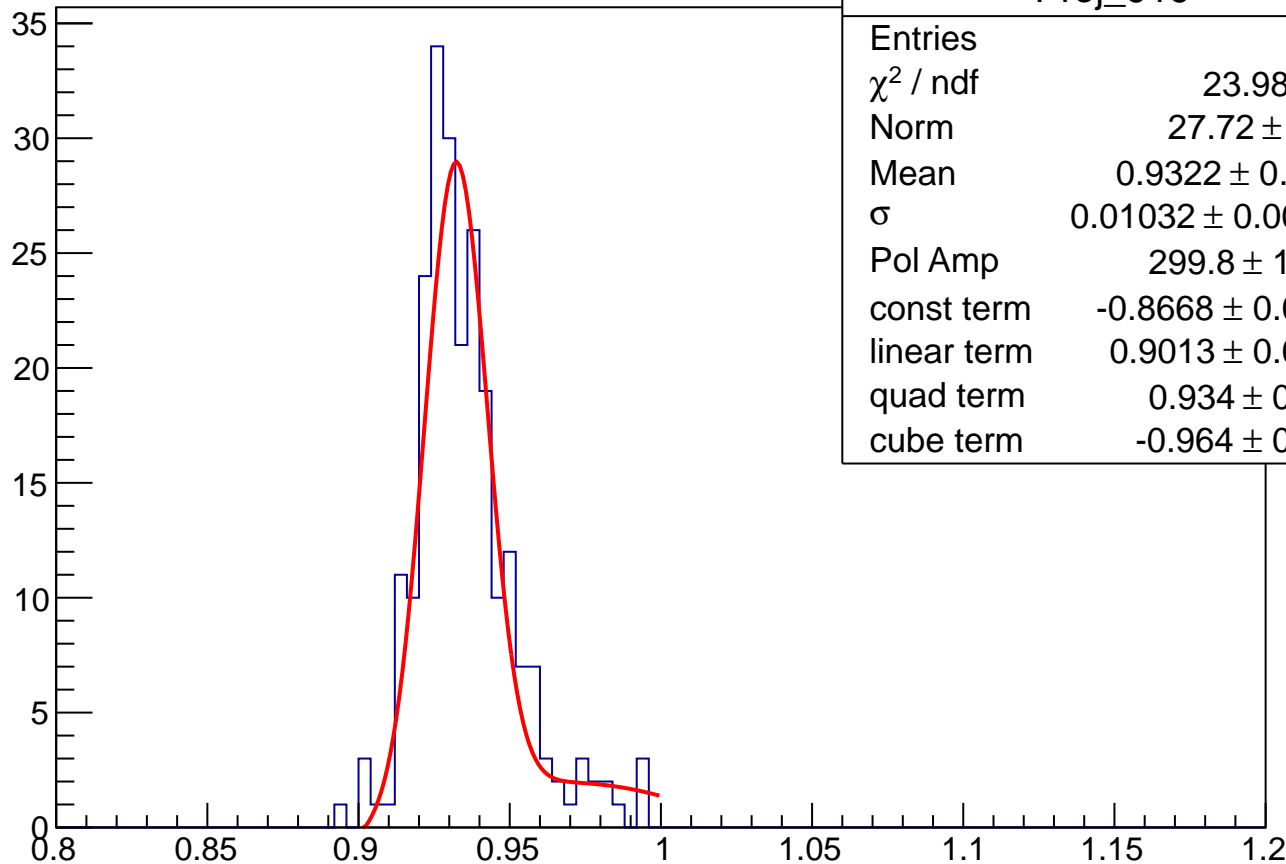
# PhiThetaMassPip



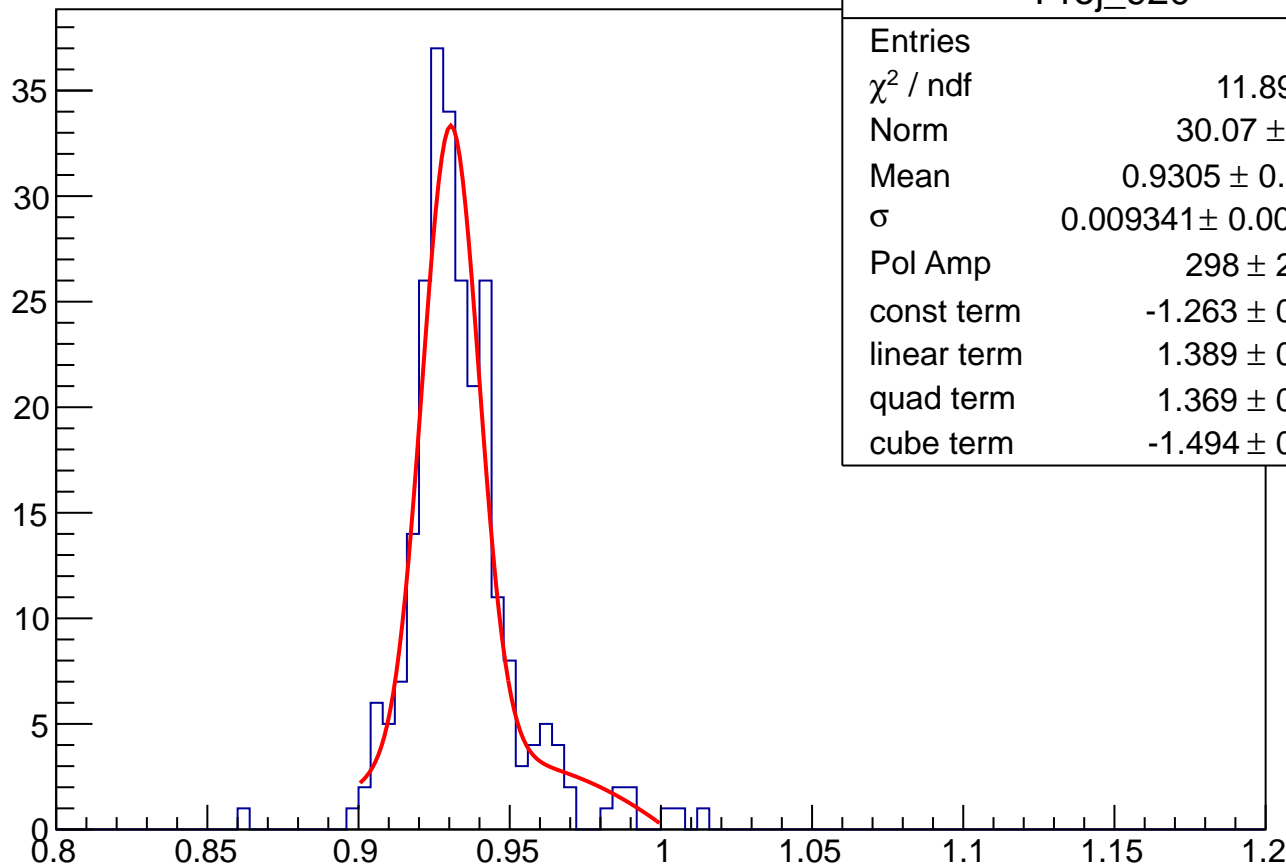
# PhiThetaMassPip



# PhiThetaMassPip



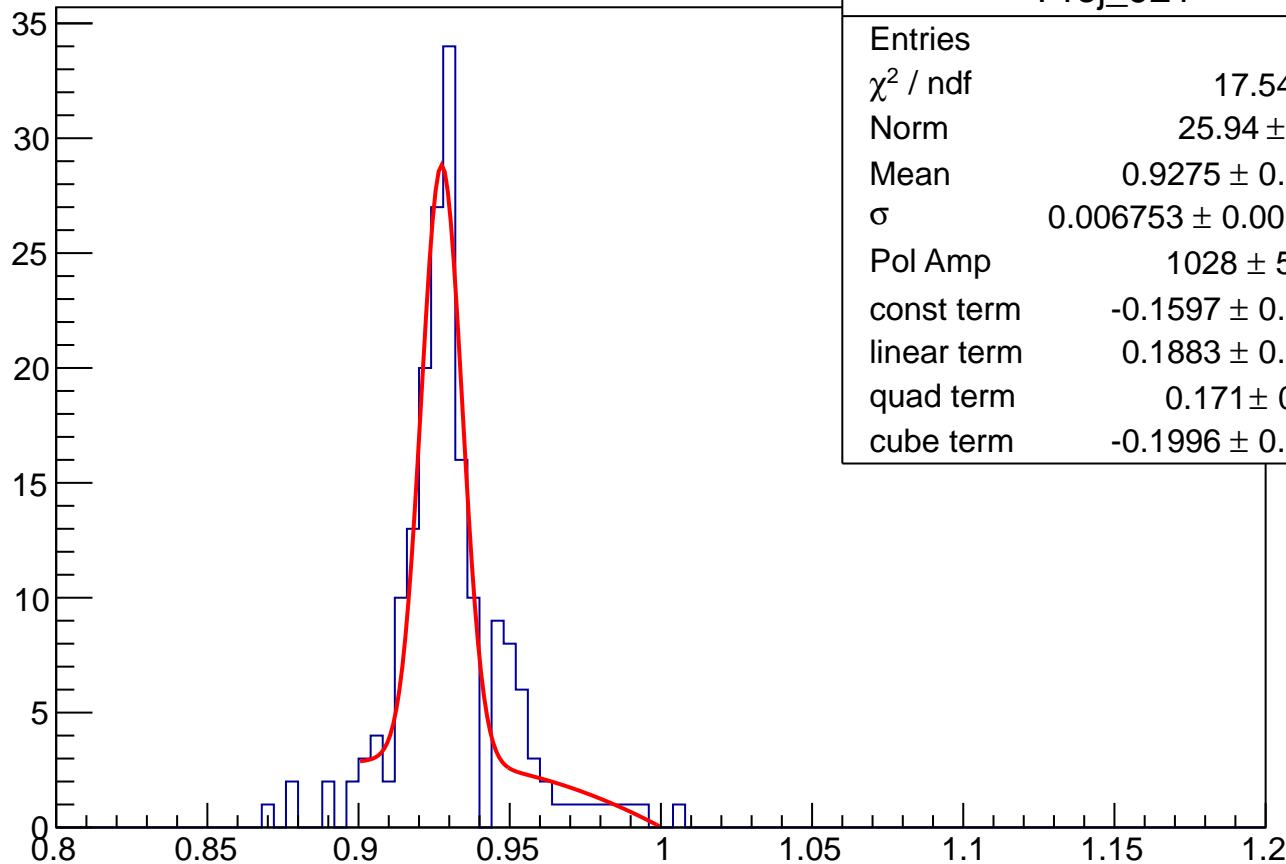
# PhiThetaMassPip



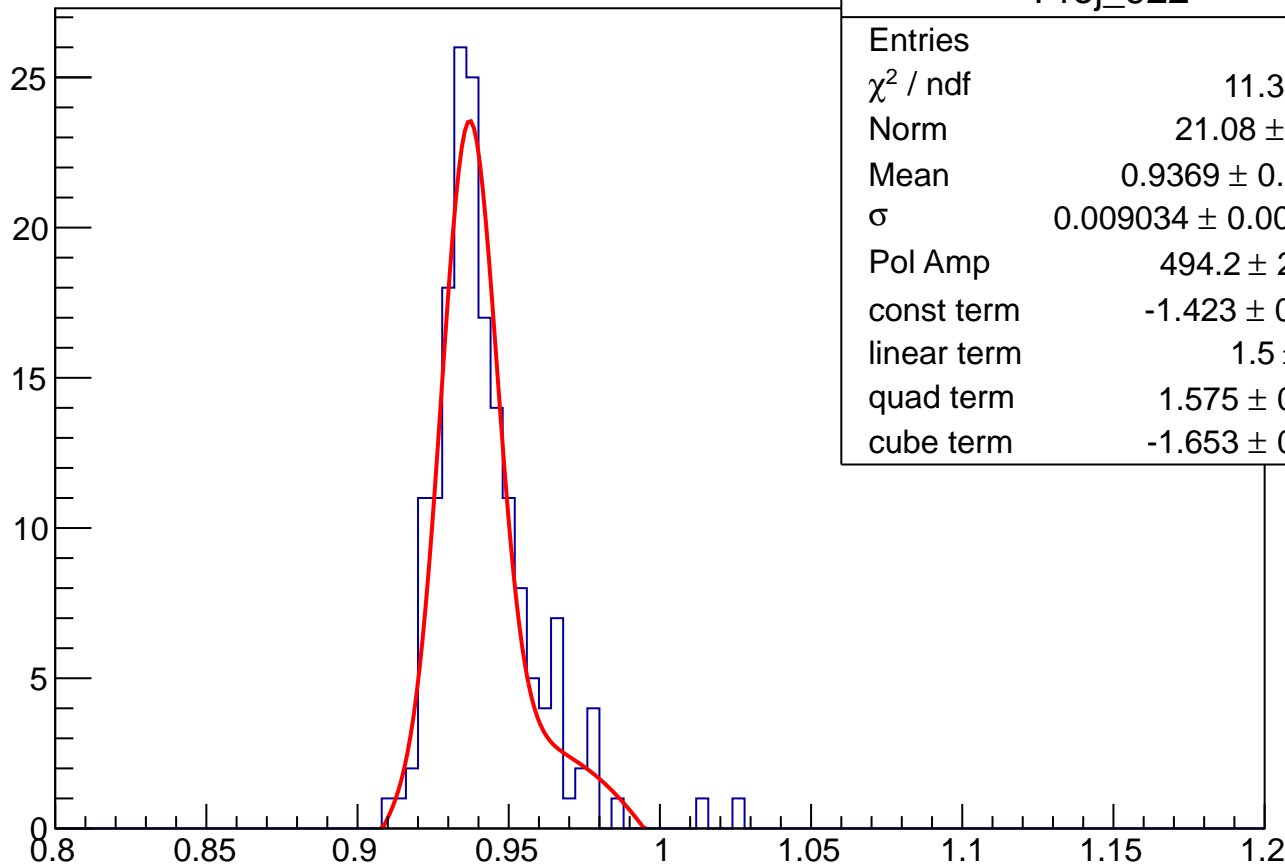
Proj\_920

Entries	251
$\chi^2 / \text{ndf}$	11.89 / 13
Norm	$30.07 \pm 3.13$
Mean	$0.9305 \pm 0.0009$
$\sigma$	$0.009341 \pm 0.000941$
Pol Amp	$298 \pm 246.9$
const term	$-1.263 \pm 0.016$
linear term	$1.389 \pm 0.018$
quad term	$1.369 \pm 0.019$
cube term	$-1.494 \pm 0.018$

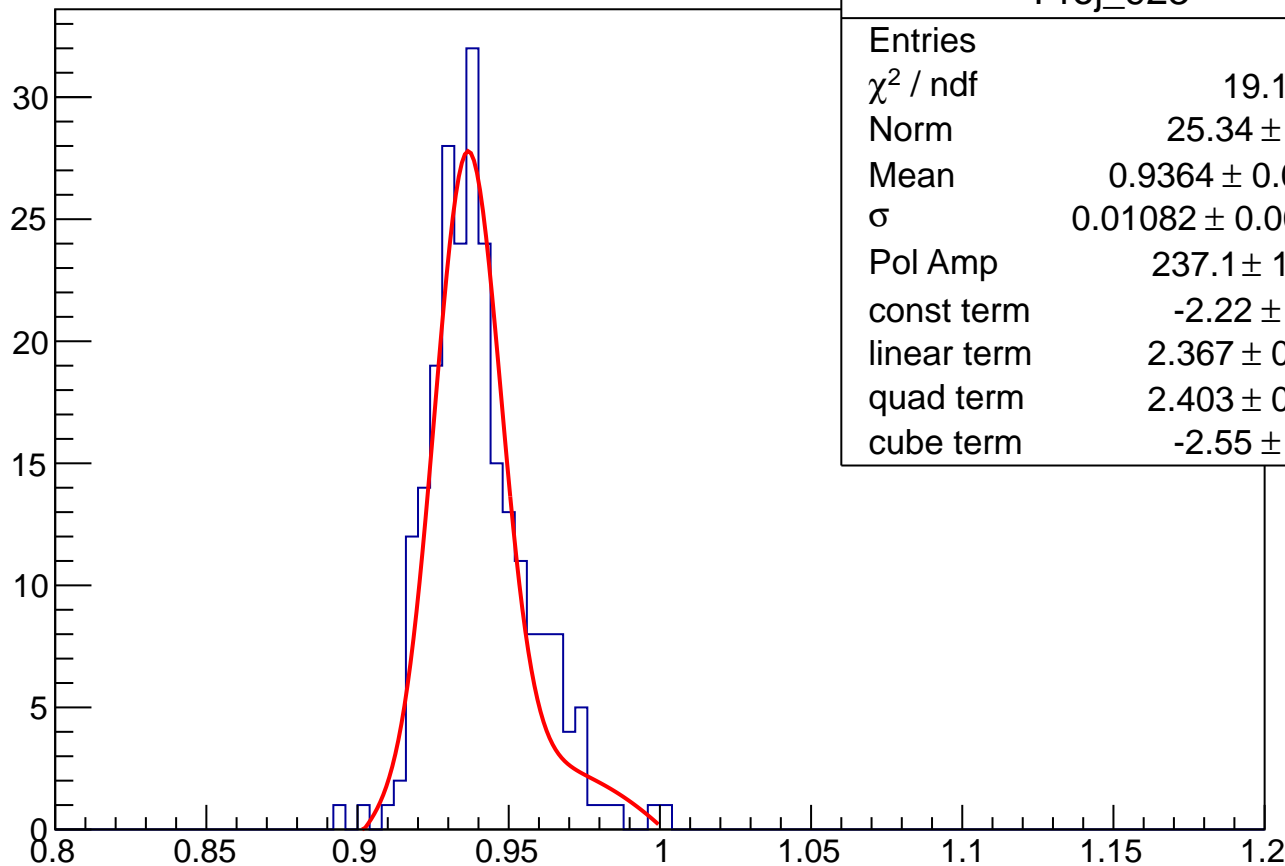
# PhiThetaMassPip



# PhiThetaMassPip

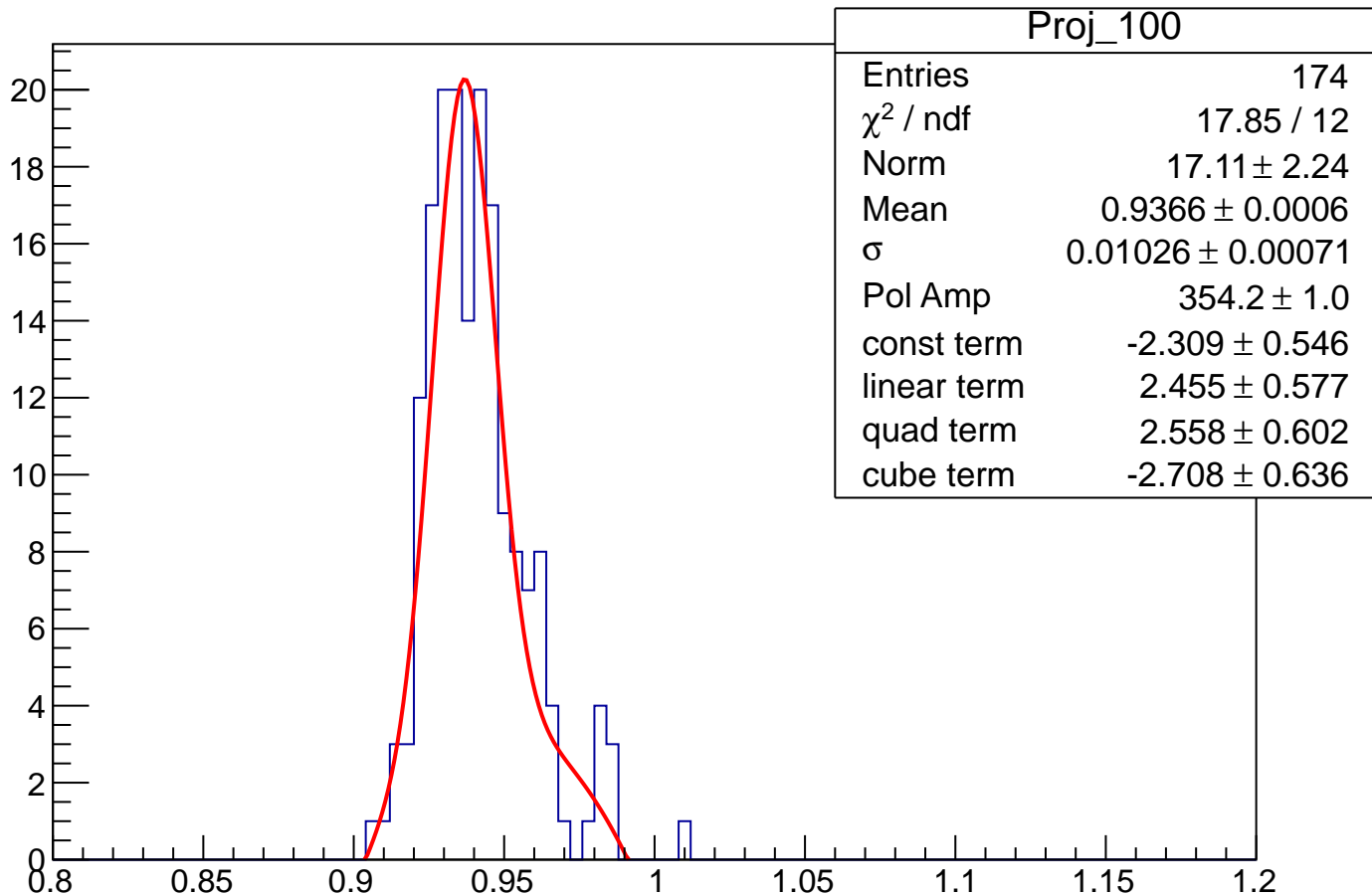


# PhiThetaMassPip

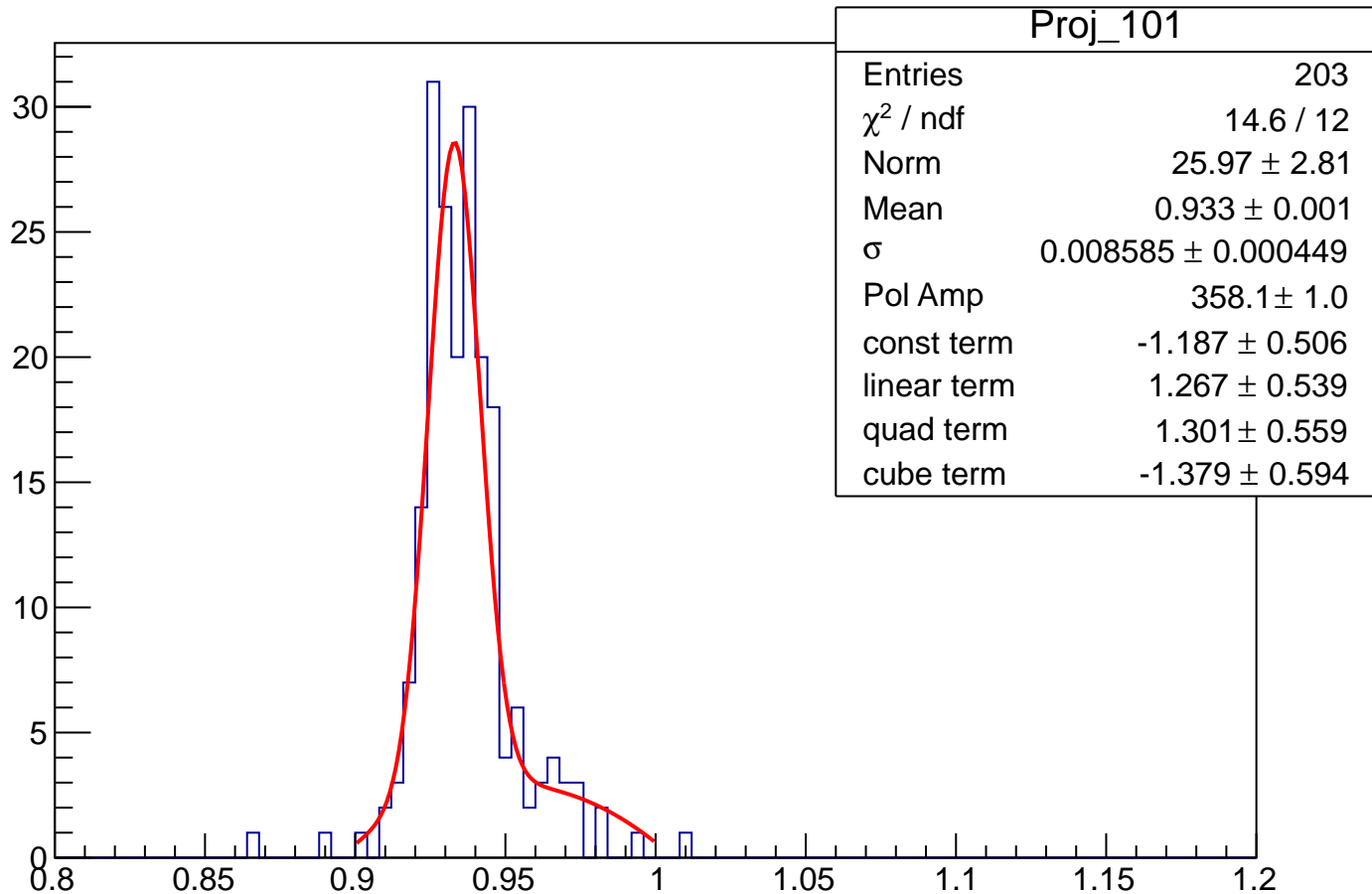




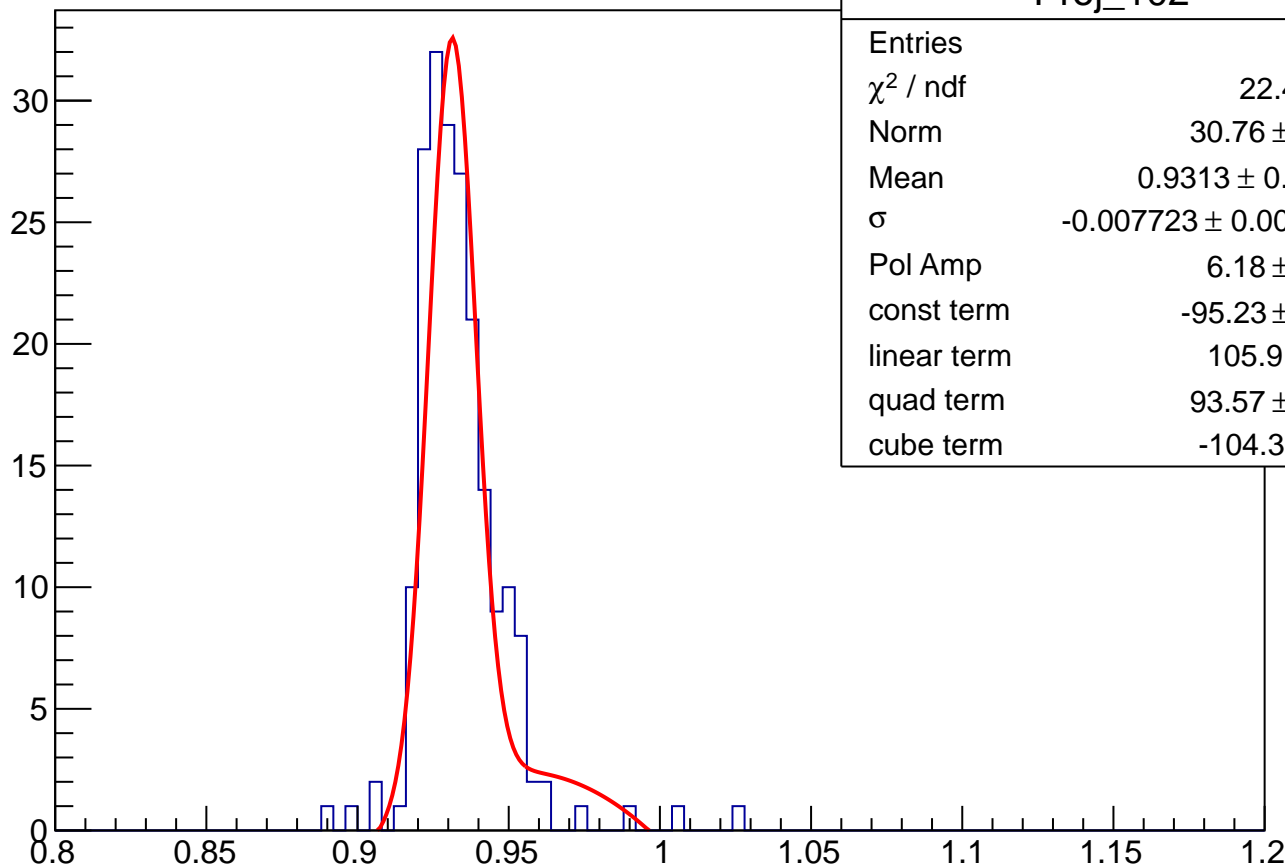
# PhiThetaMassPip



# PhiThetaMassPip



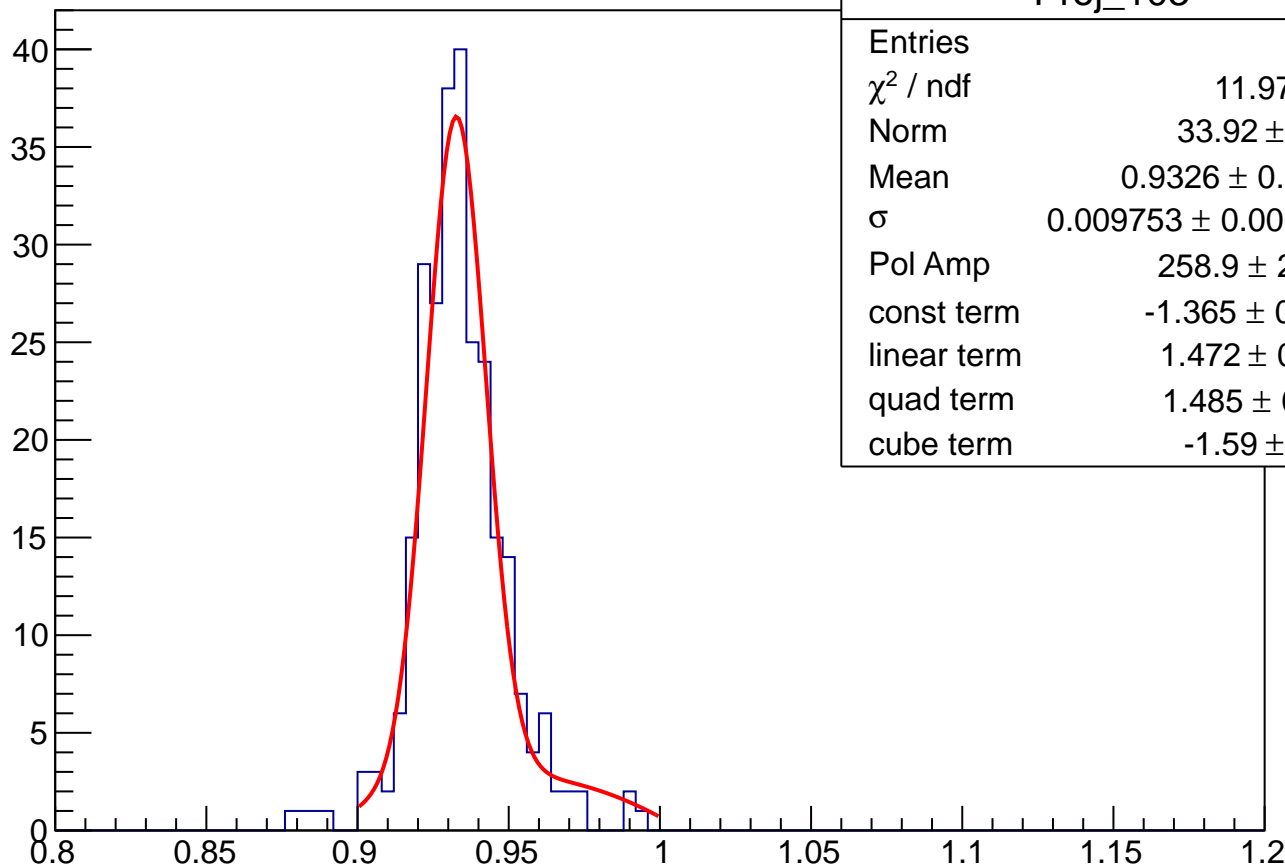
# PhiThetaMassPip



Proj\_102

Entries	201
$\chi^2 / \text{ndf}$	22.49 / 8
Norm	$30.76 \pm 3.44$
Mean	$0.9313 \pm 0.0010$
$\sigma$	$-0.007723 \pm 0.000745$
Pol Amp	$6.18 \pm 3.43$
const term	$-95.23 \pm 0.76$
linear term	$105.9 \pm 0.9$
quad term	$93.57 \pm 0.93$
cube term	$-104.3 \pm 0.9$

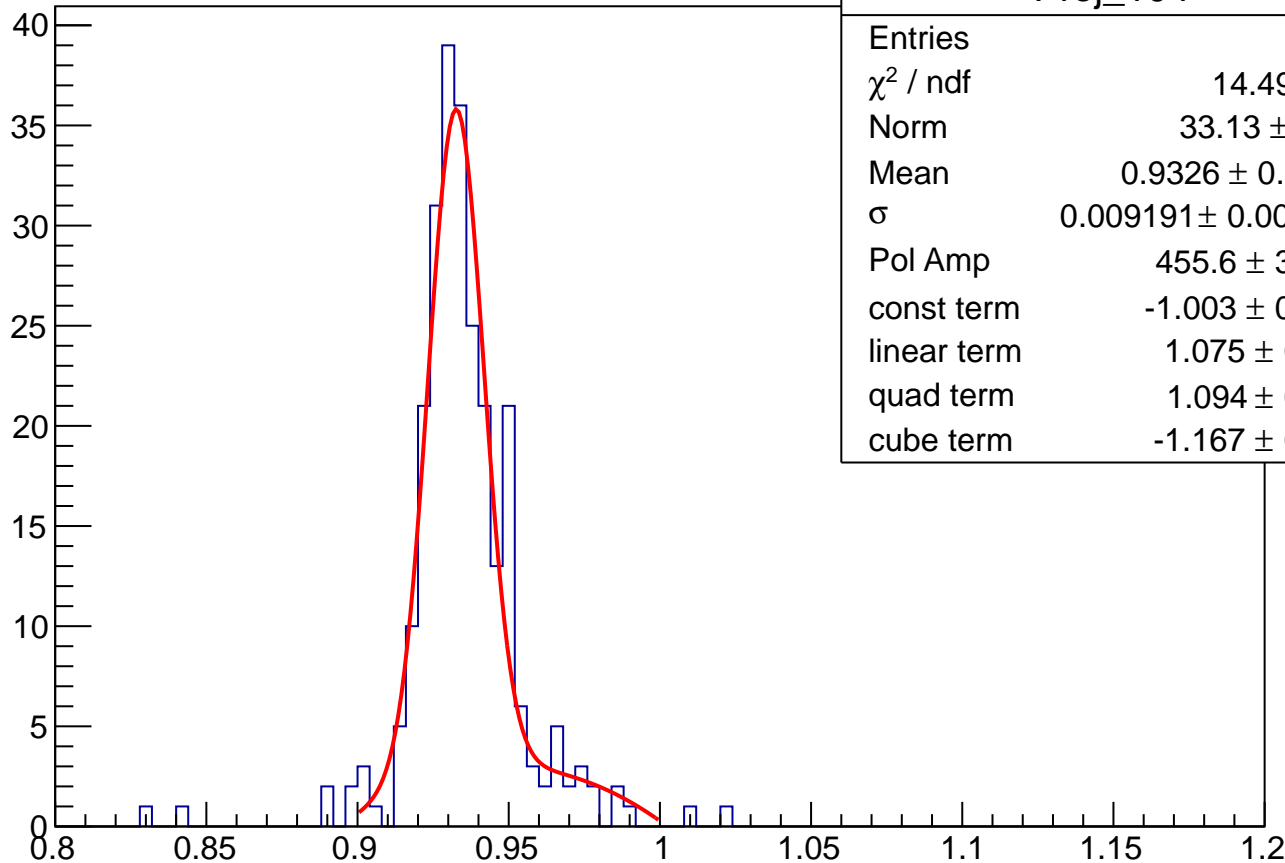
# PhiThetaMassPip



Proj\_103

Entries	271
$\chi^2 / \text{ndf}$	11.97 / 13
Norm	$33.92 \pm 3.18$
Mean	$0.9326 \pm 0.0009$
$\sigma$	$0.009753 \pm 0.000827$
Pol Amp	$258.9 \pm 202.2$
const term	$-1.365 \pm 0.017$
linear term	$1.472 \pm 0.020$
quad term	$1.485 \pm 0.021$
cube term	$-1.59 \pm 0.02$

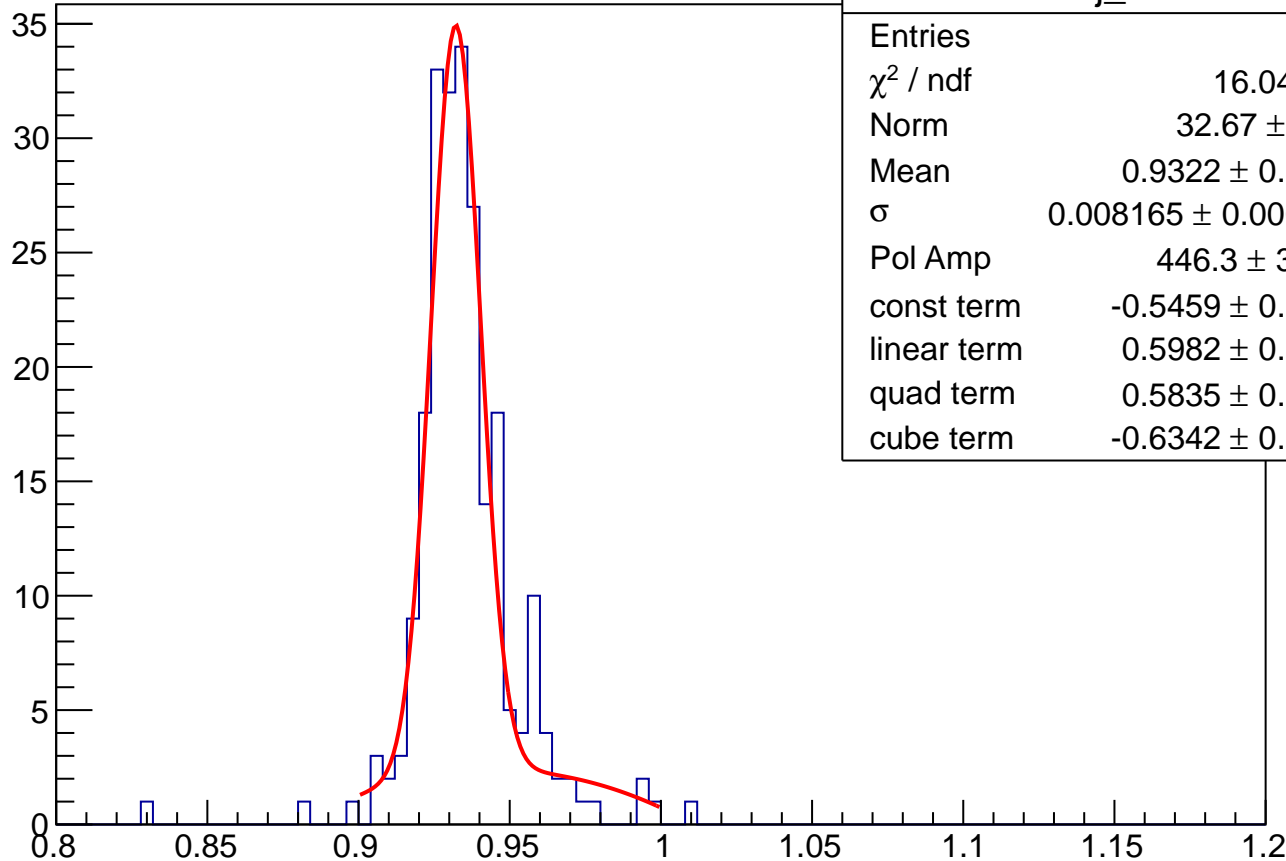
# PhiThetaMassPip



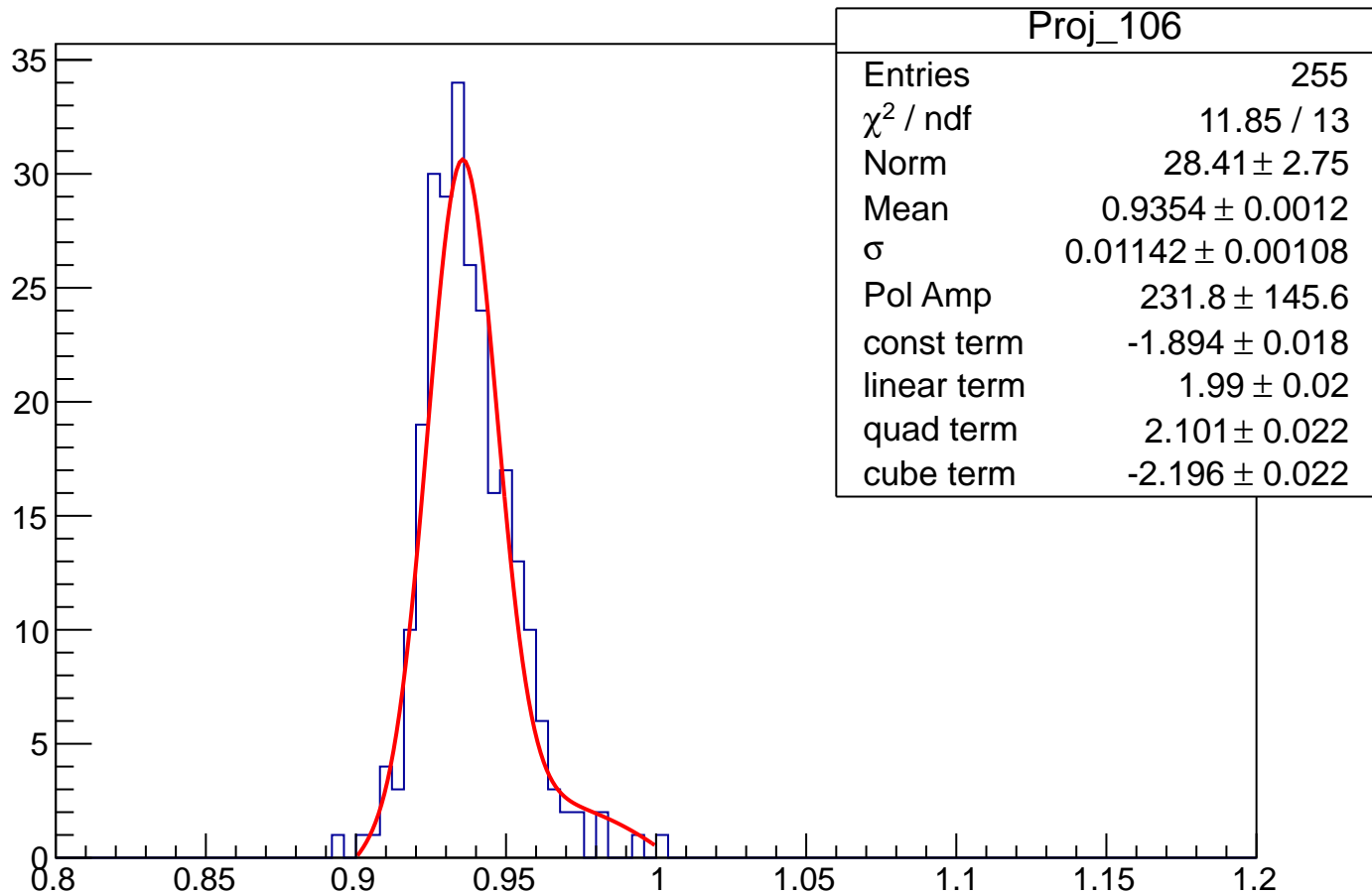
Proj\_104

Entries	260
$\chi^2 / \text{ndf}$	14.49 / 13
Norm	$33.13 \pm 3.31$
Mean	$0.9326 \pm 0.0009$
$\sigma$	$0.009191 \pm 0.000851$
Pol Amp	$455.6 \pm 300.6$
const term	$-1.003 \pm 0.009$
linear term	$1.075 \pm 0.011$
quad term	$1.094 \pm 0.011$
cube term	$-1.167 \pm 0.011$

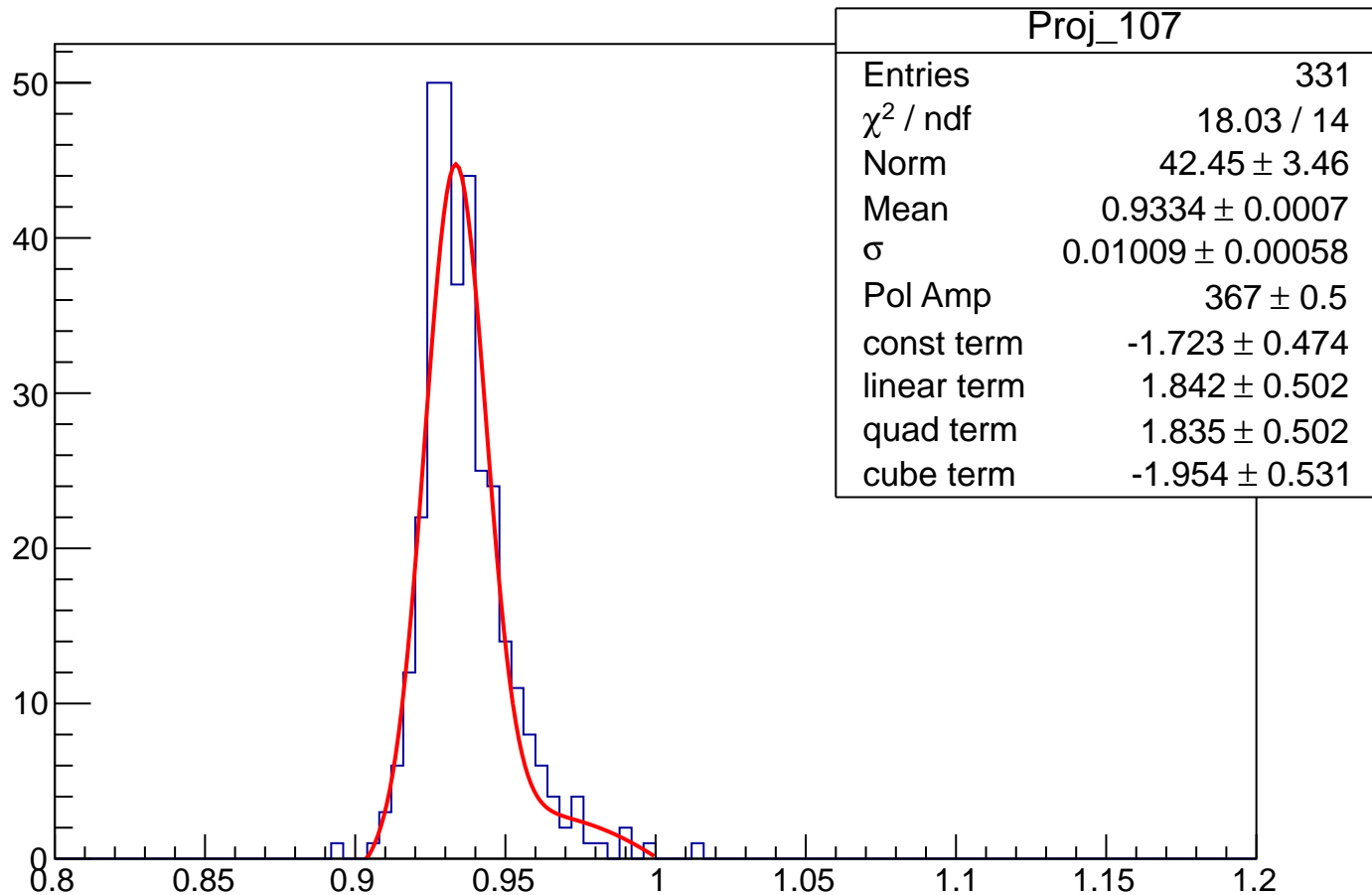
# PhiThetaMassPip



# PhiThetaMassPip

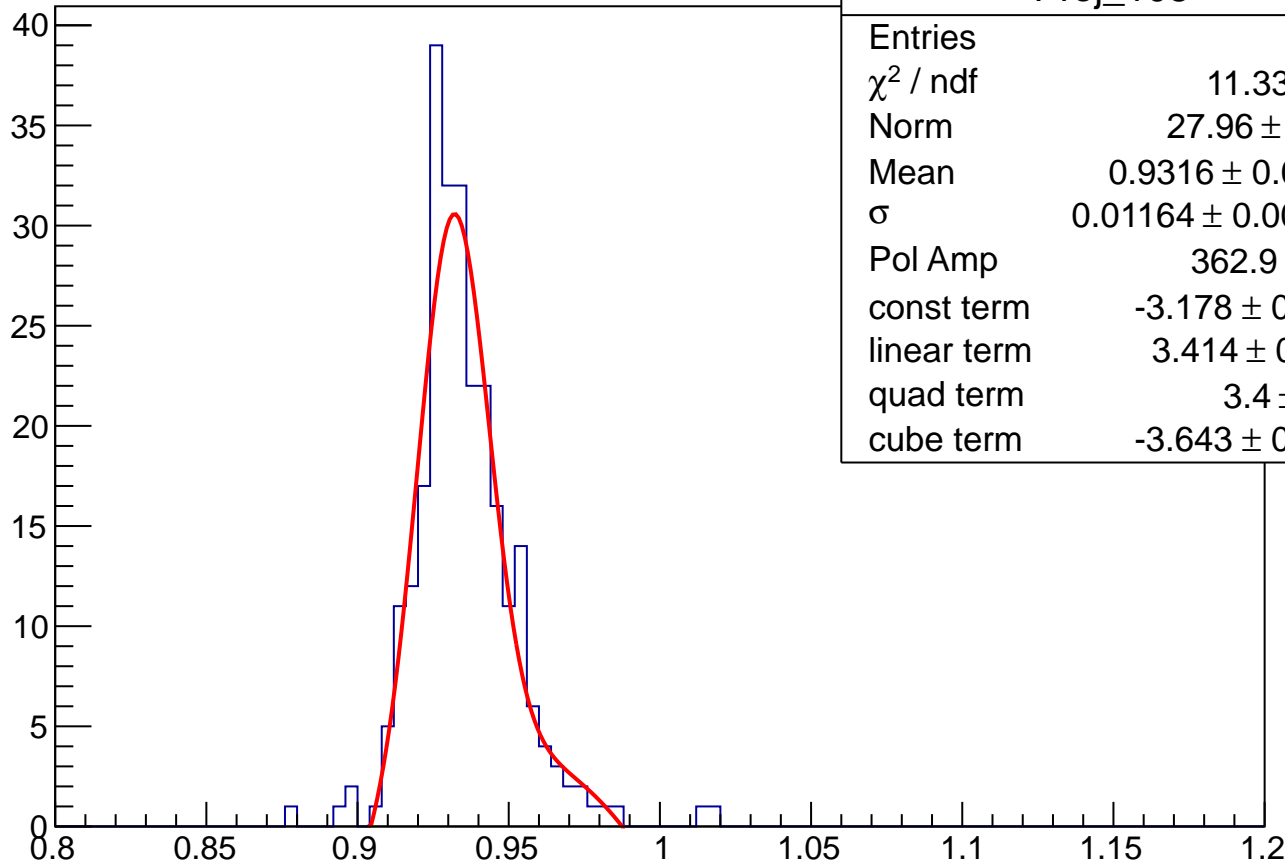


# PhiThetaMassPip

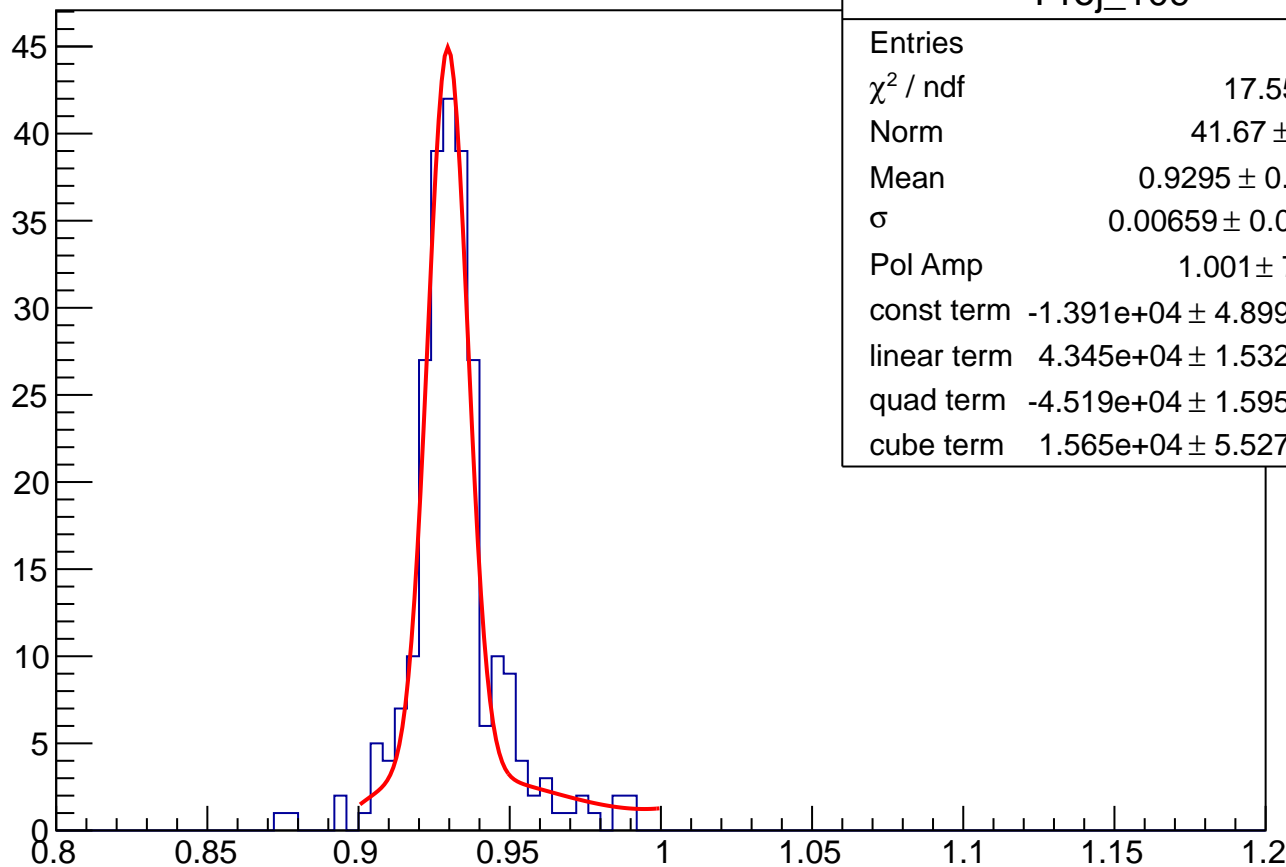




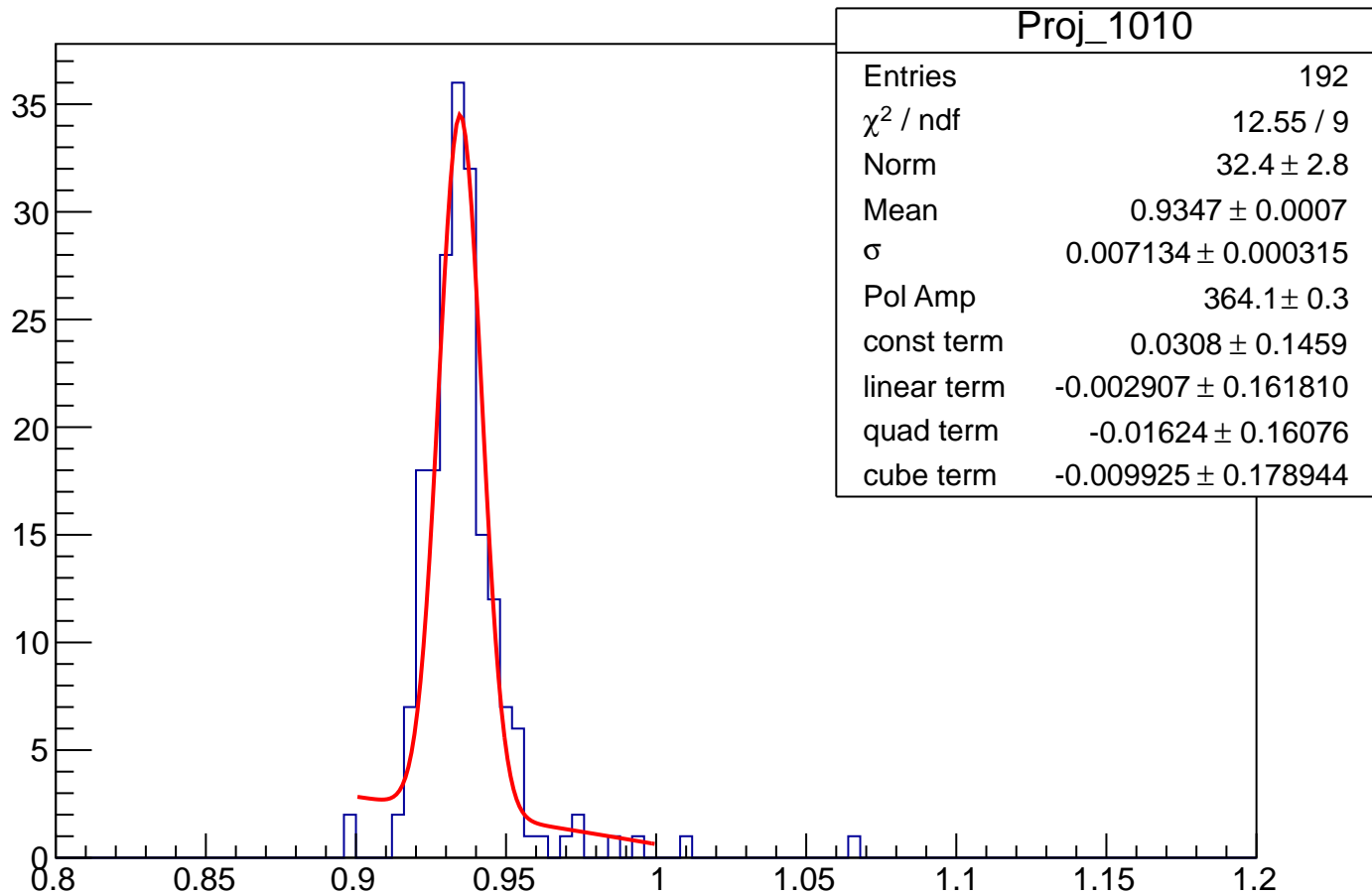
# PhiThetaMassPip



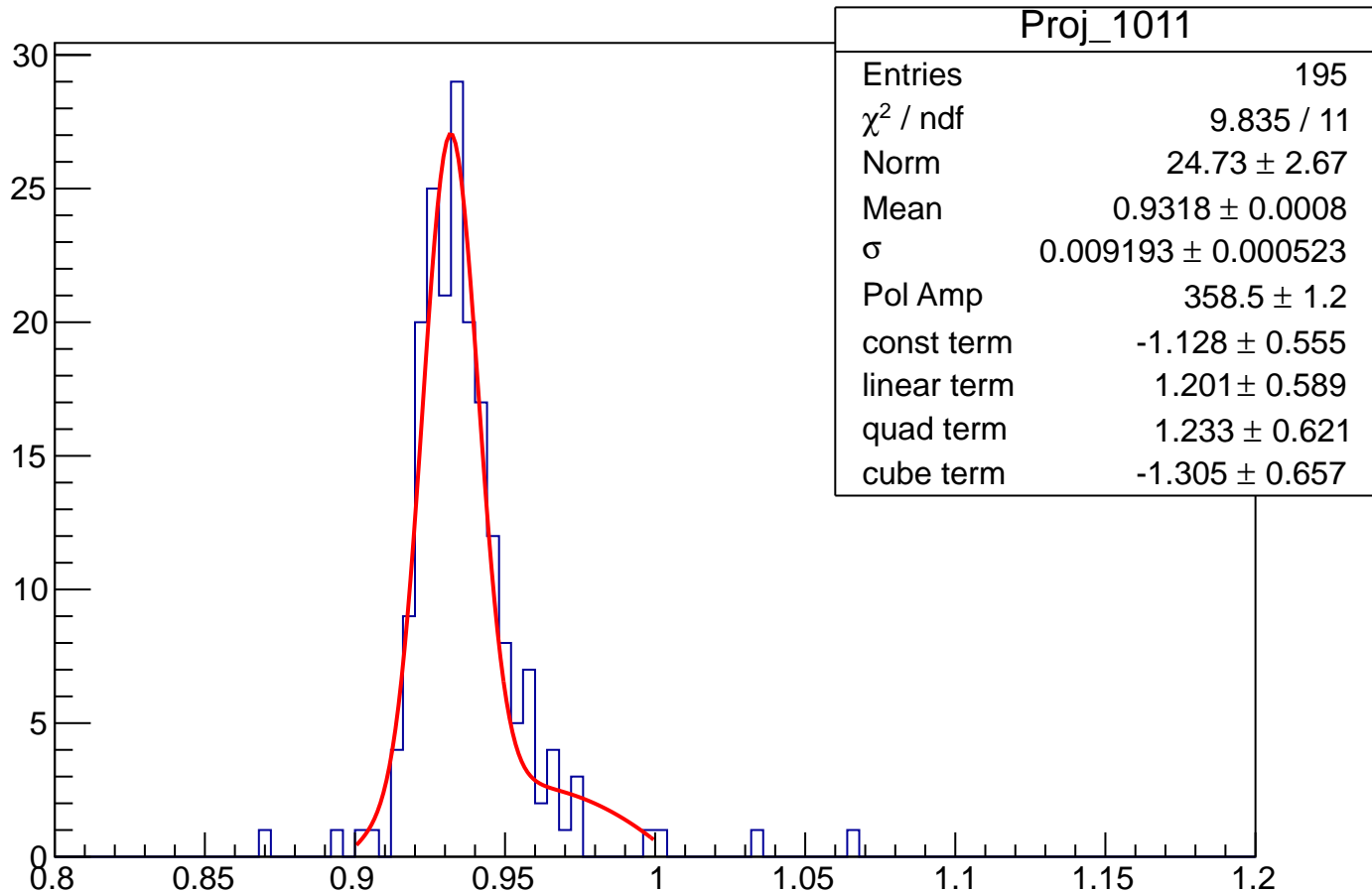
# PhiThetaMassPip



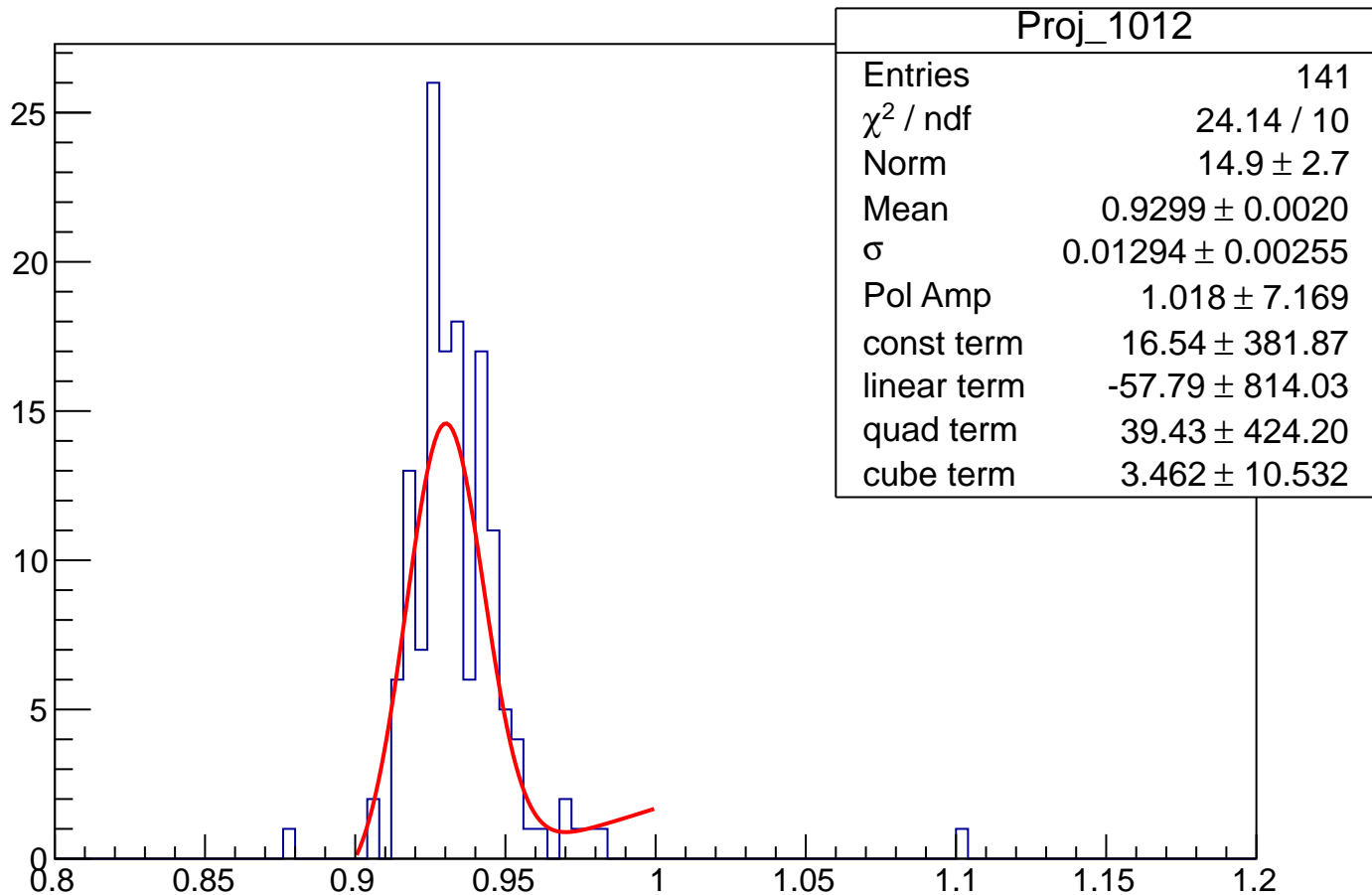
# PhiThetaMassPip



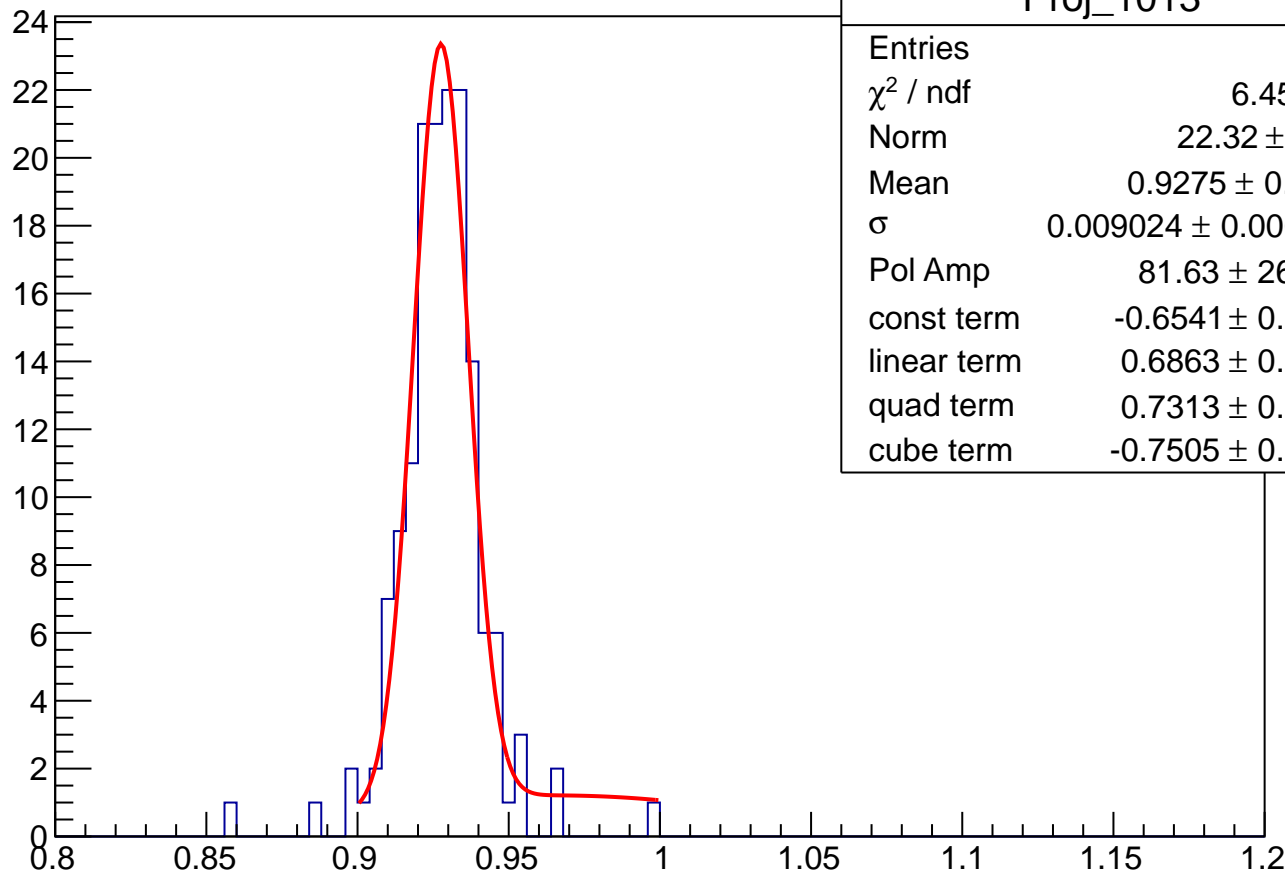
# PhiThetaMassPip



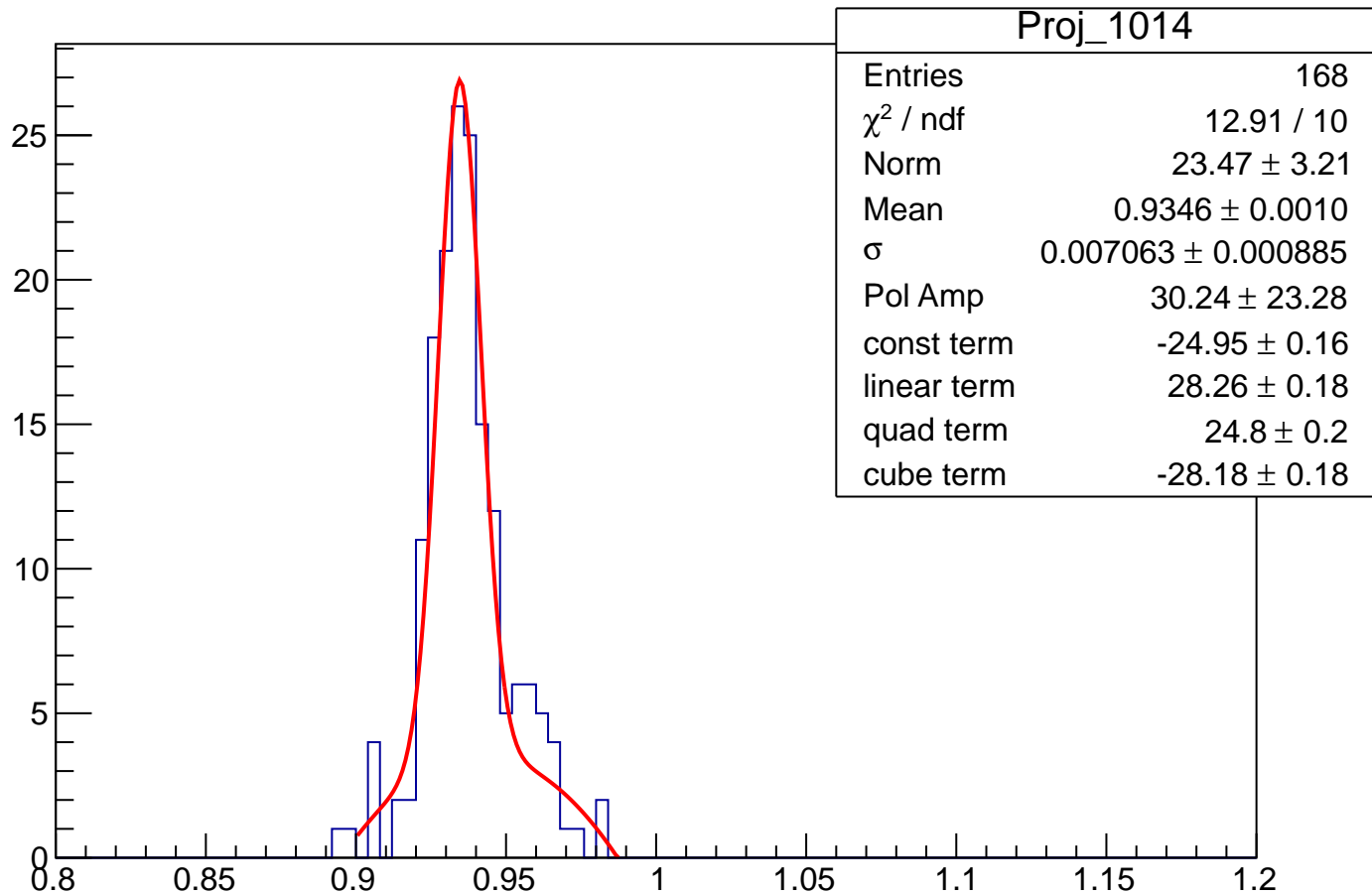
# PhiThetaMassPip



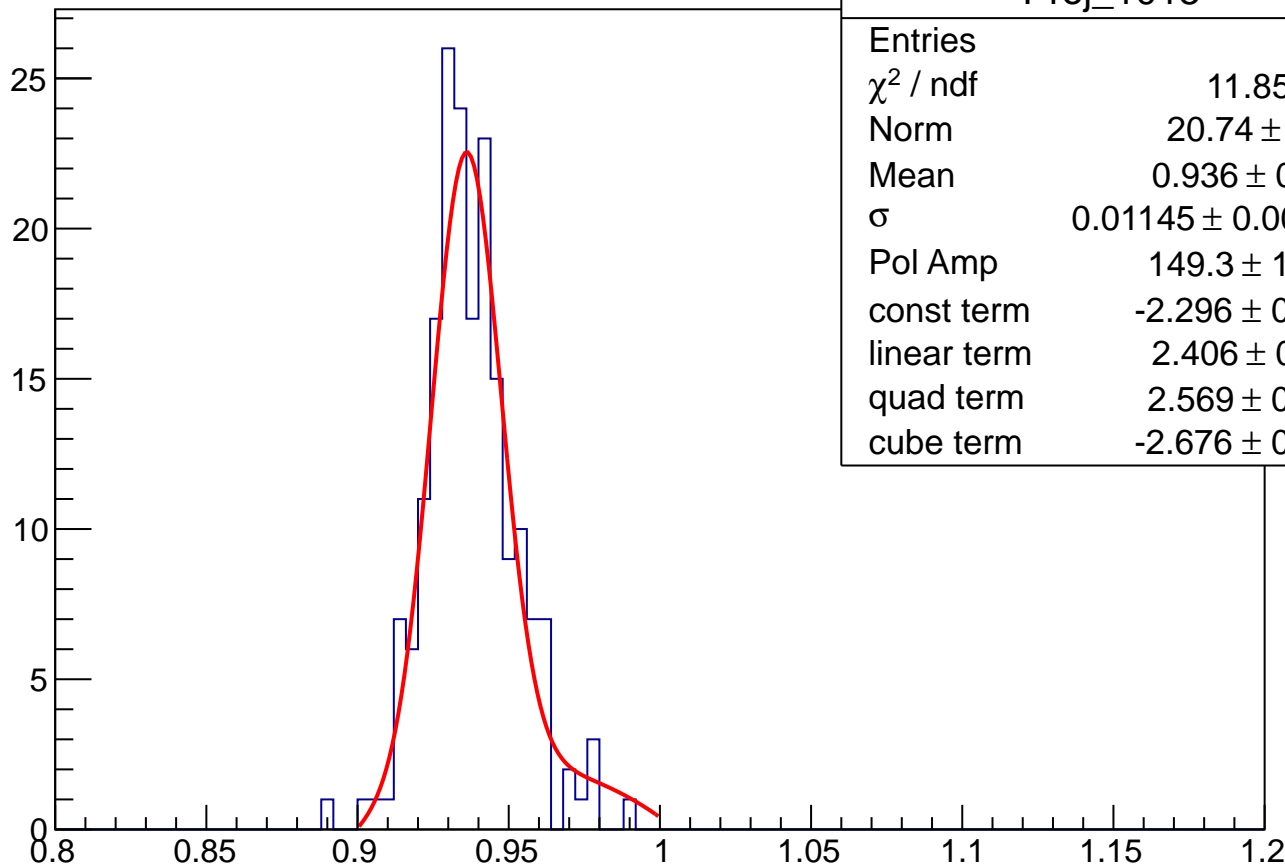
# PhiThetaMassPip



# PhiThetaMassPip

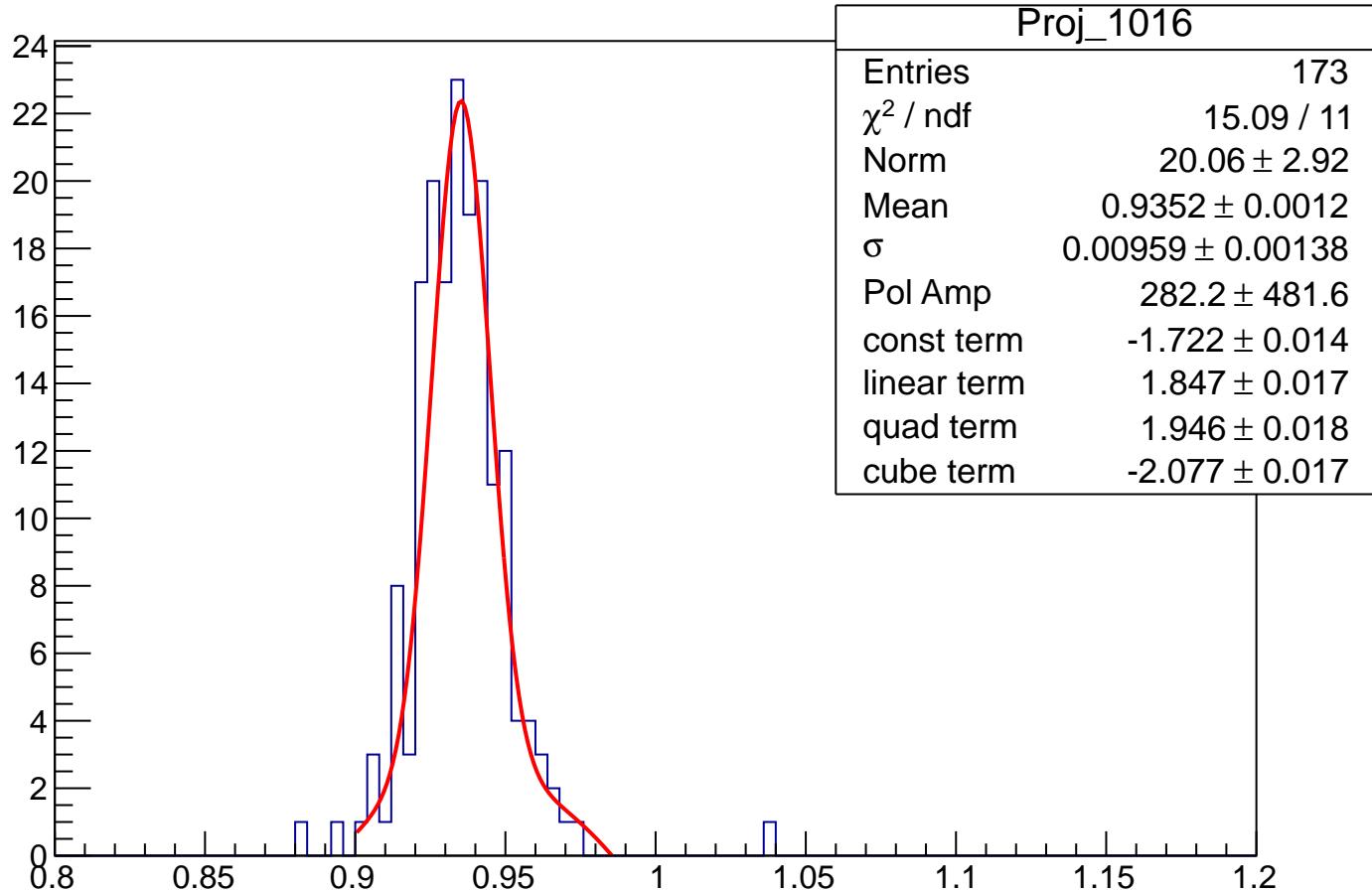


# PhiThetaMassPip

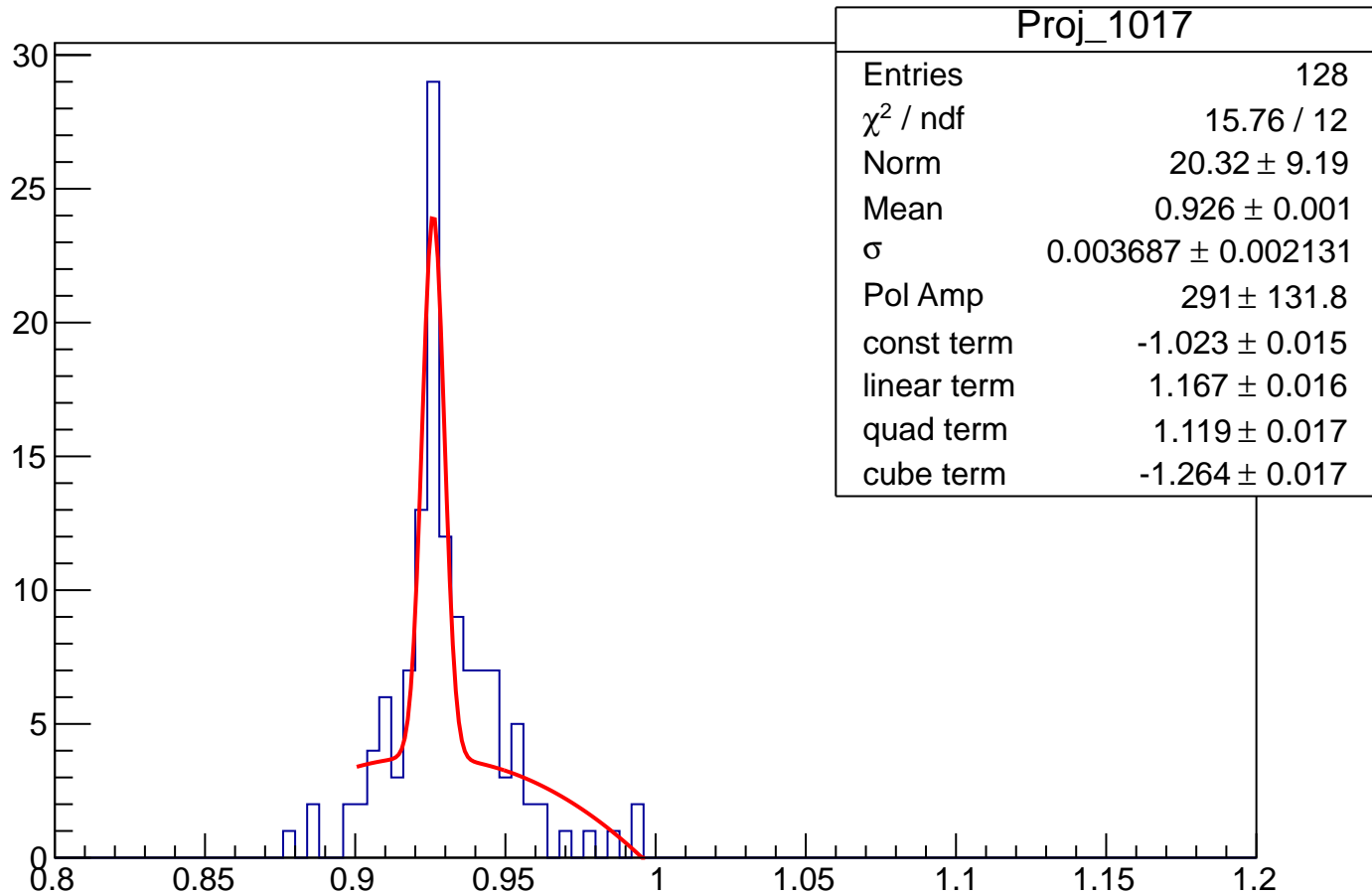




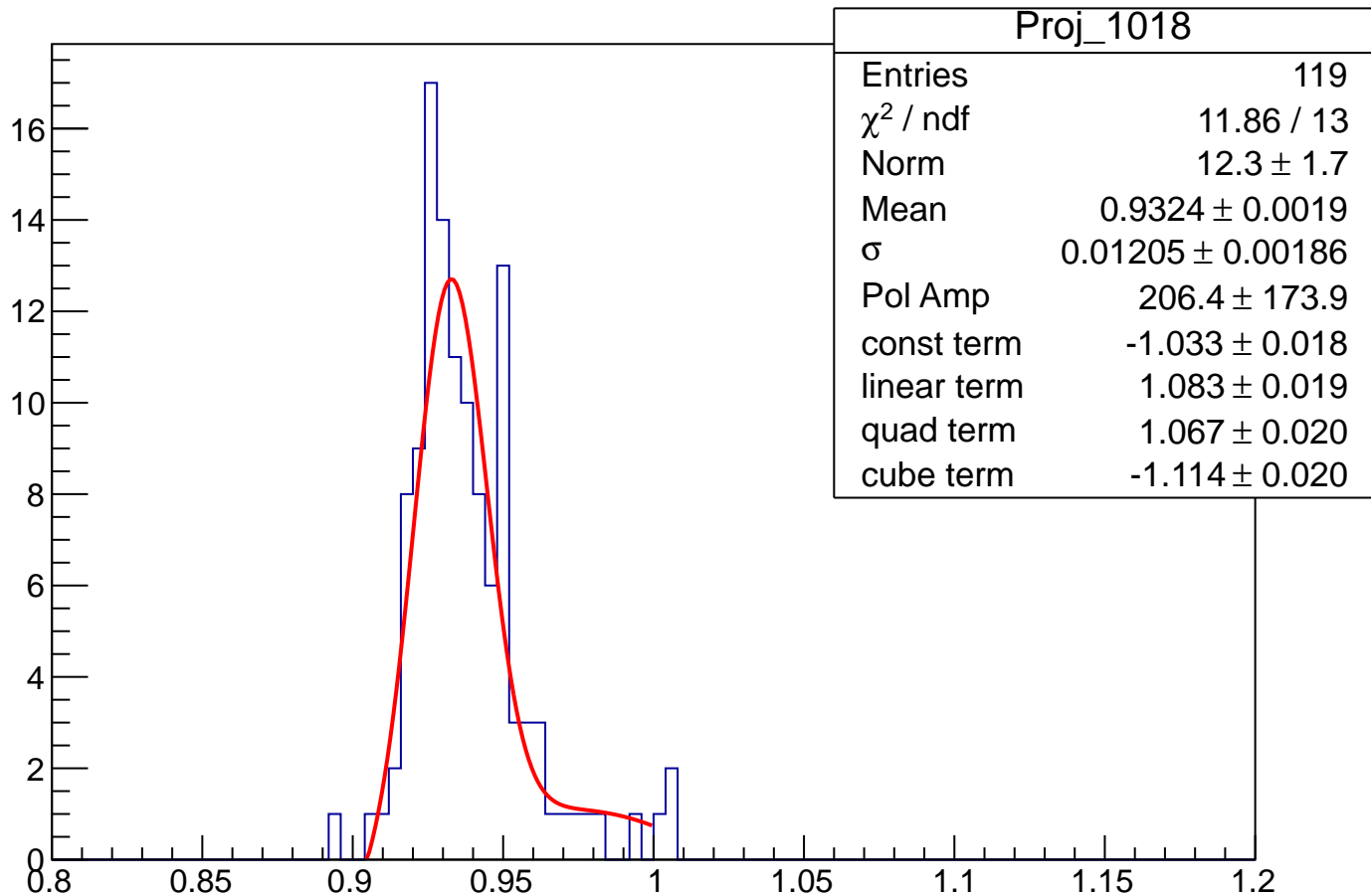
# PhiThetaMassPip



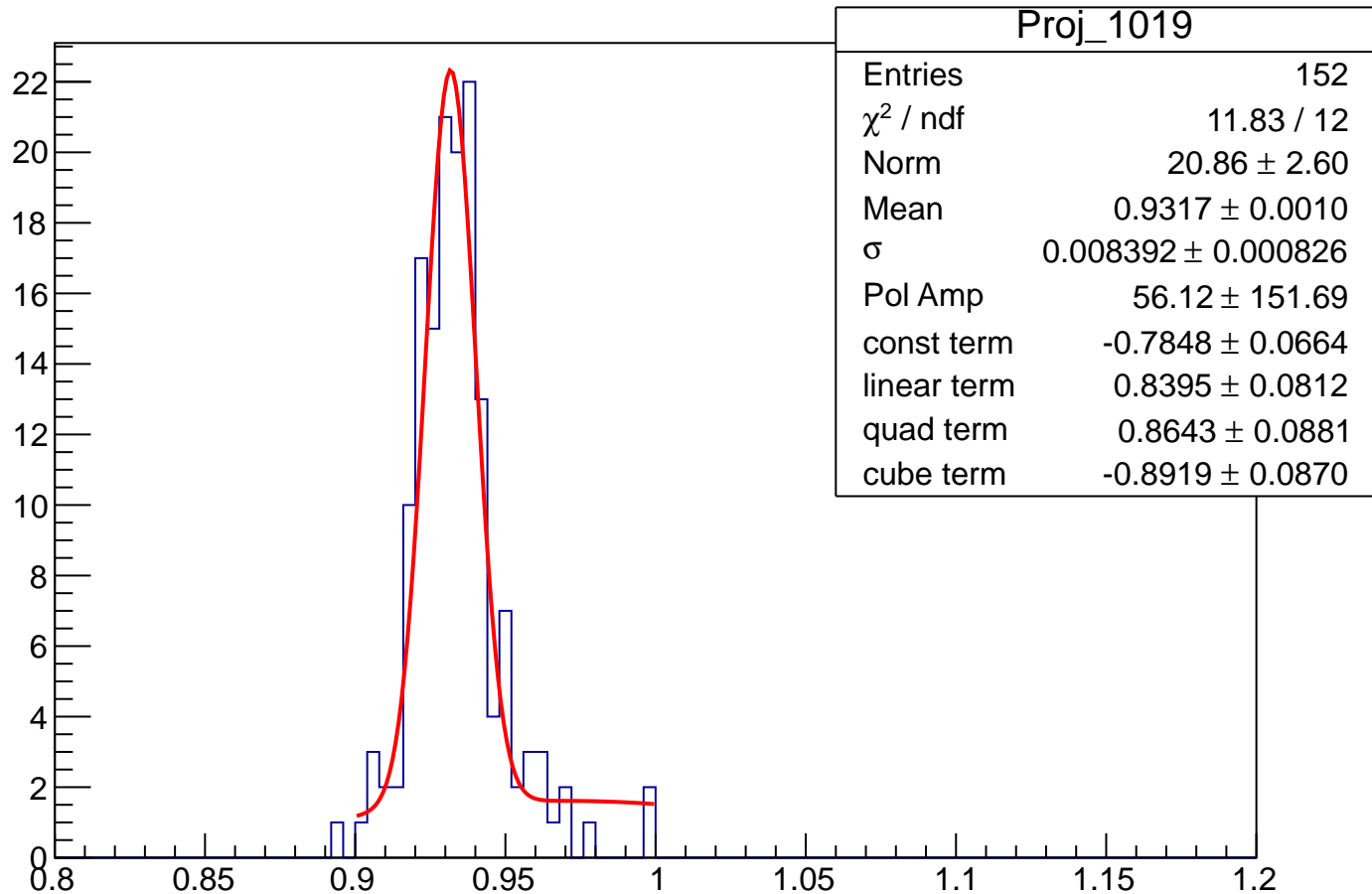
# PhiThetaMassPip



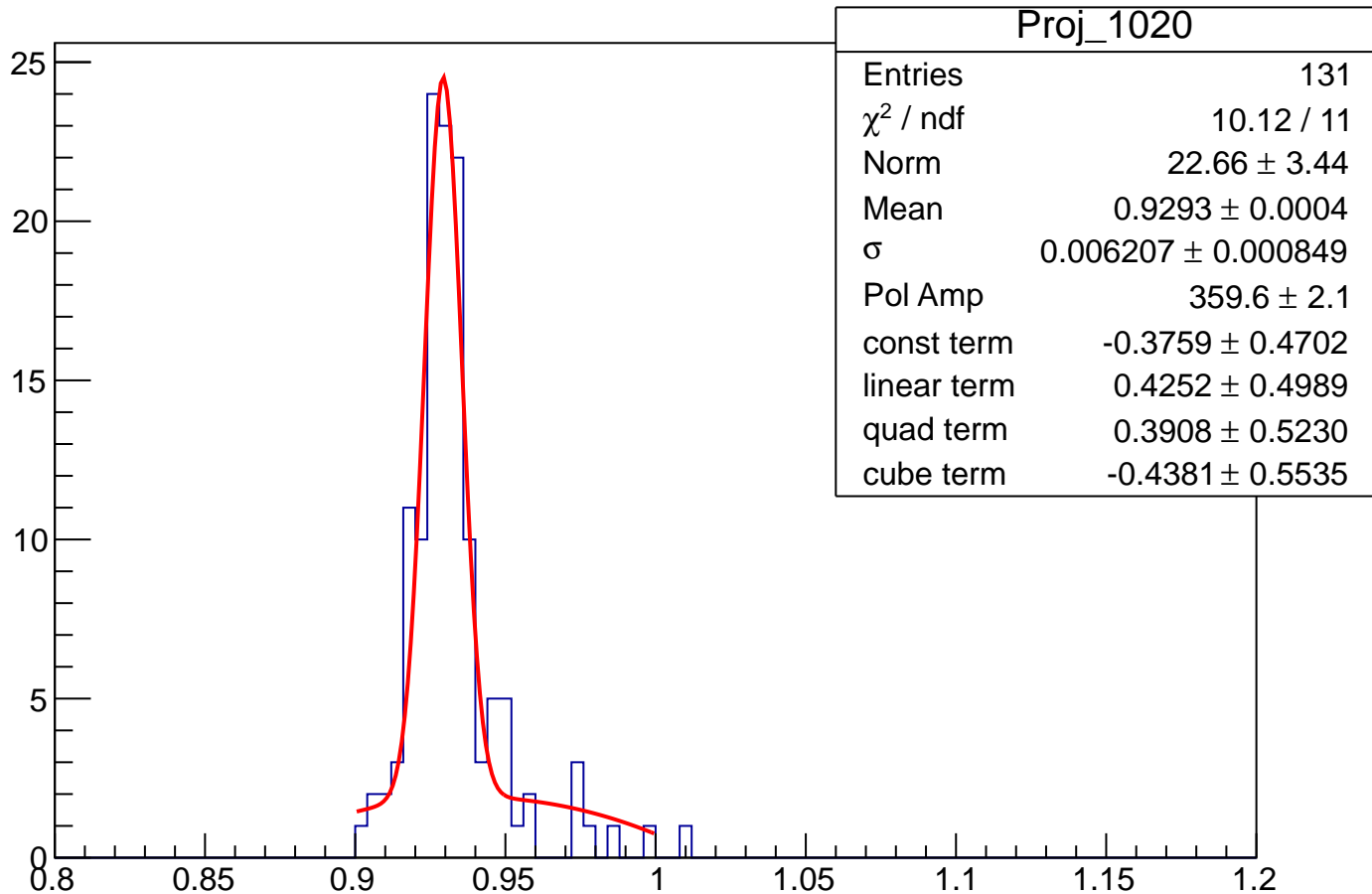
# PhiThetaMassPip



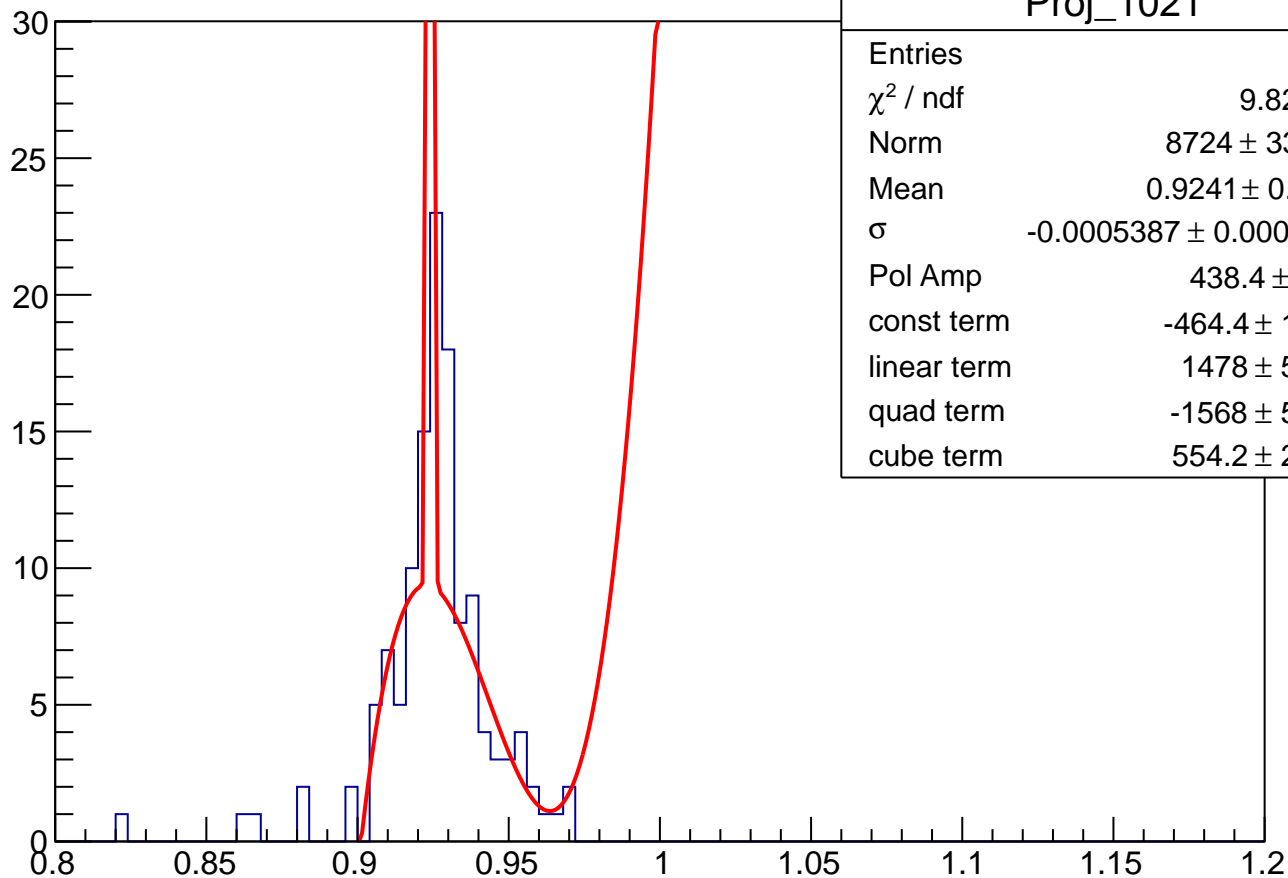
# PhiThetaMassPip



# PhiThetaMassPip



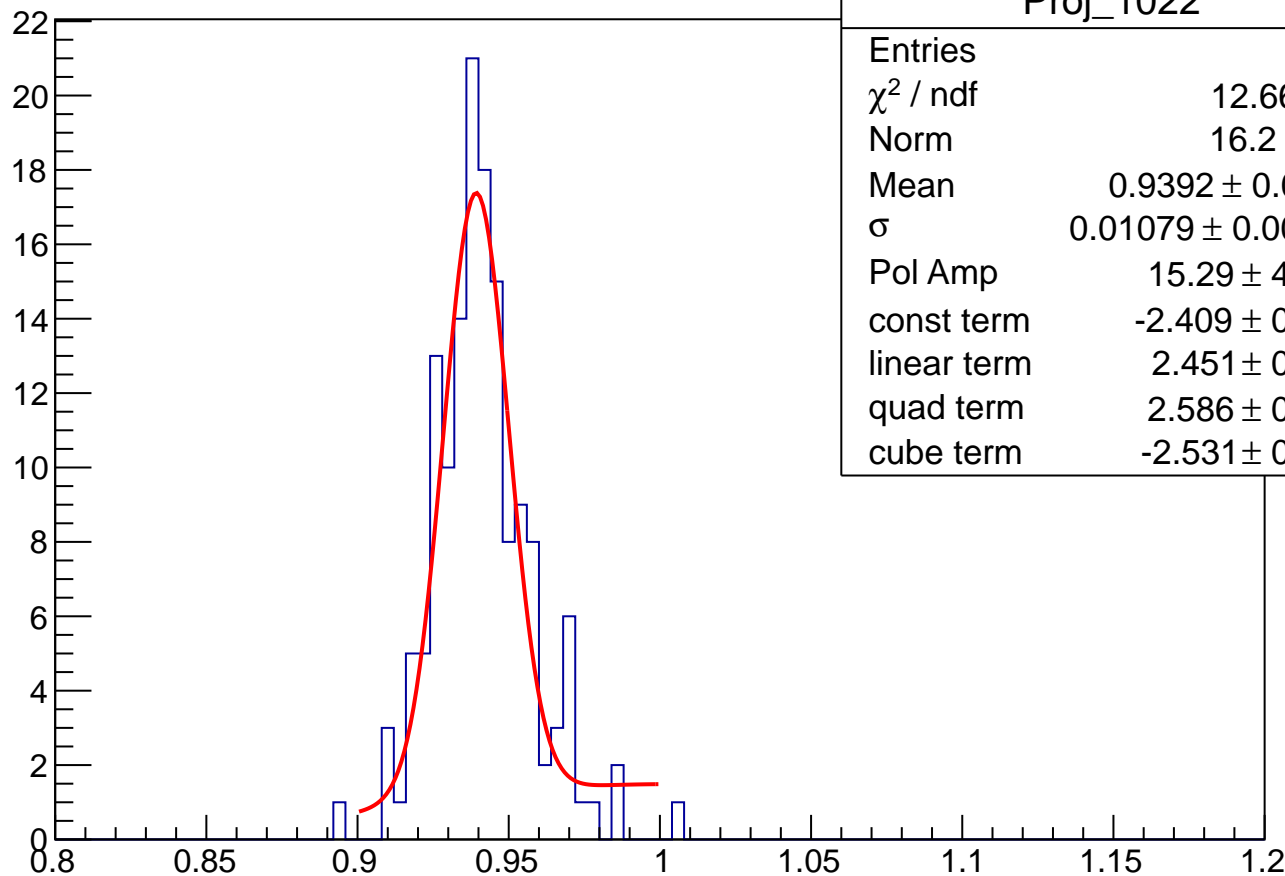
# PhiThetaMassPip



Proj\_1021

Entries	127
$\chi^2 / \text{ndf}$	9.825 / 9
Norm	$8724 \pm 3367.2$
Mean	$0.9241 \pm 0.0001$
$\sigma$	$-0.0005387 \pm 0.0000304$
Pol Amp	$438.4 \pm 71.0$
const term	$-464.4 \pm 165.4$
linear term	$1478 \pm 528.8$
quad term	$-1568 \pm 563.4$
cube term	$554.2 \pm 200.0$

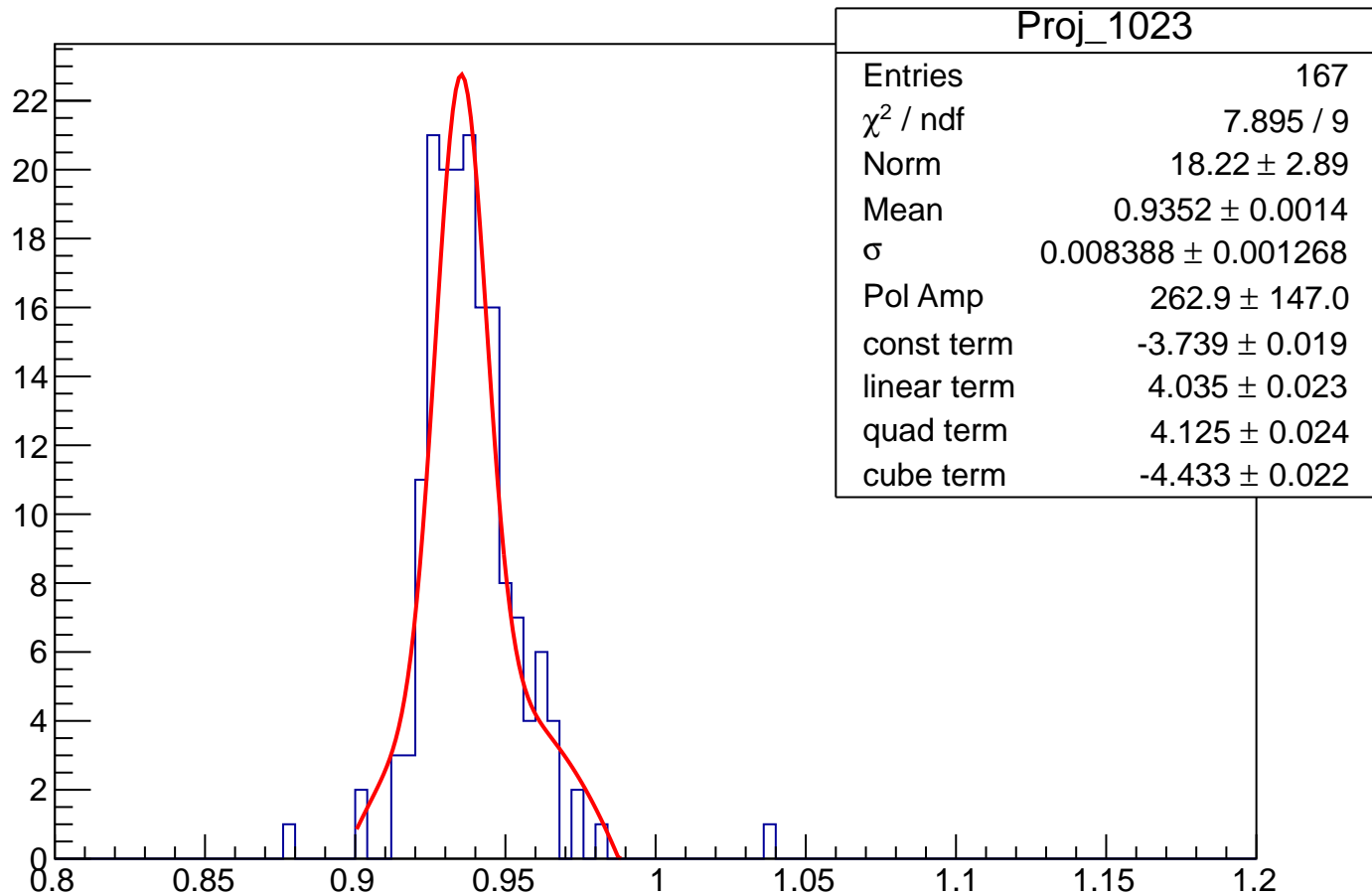
# PhiThetaMassPip



Proj\_1022

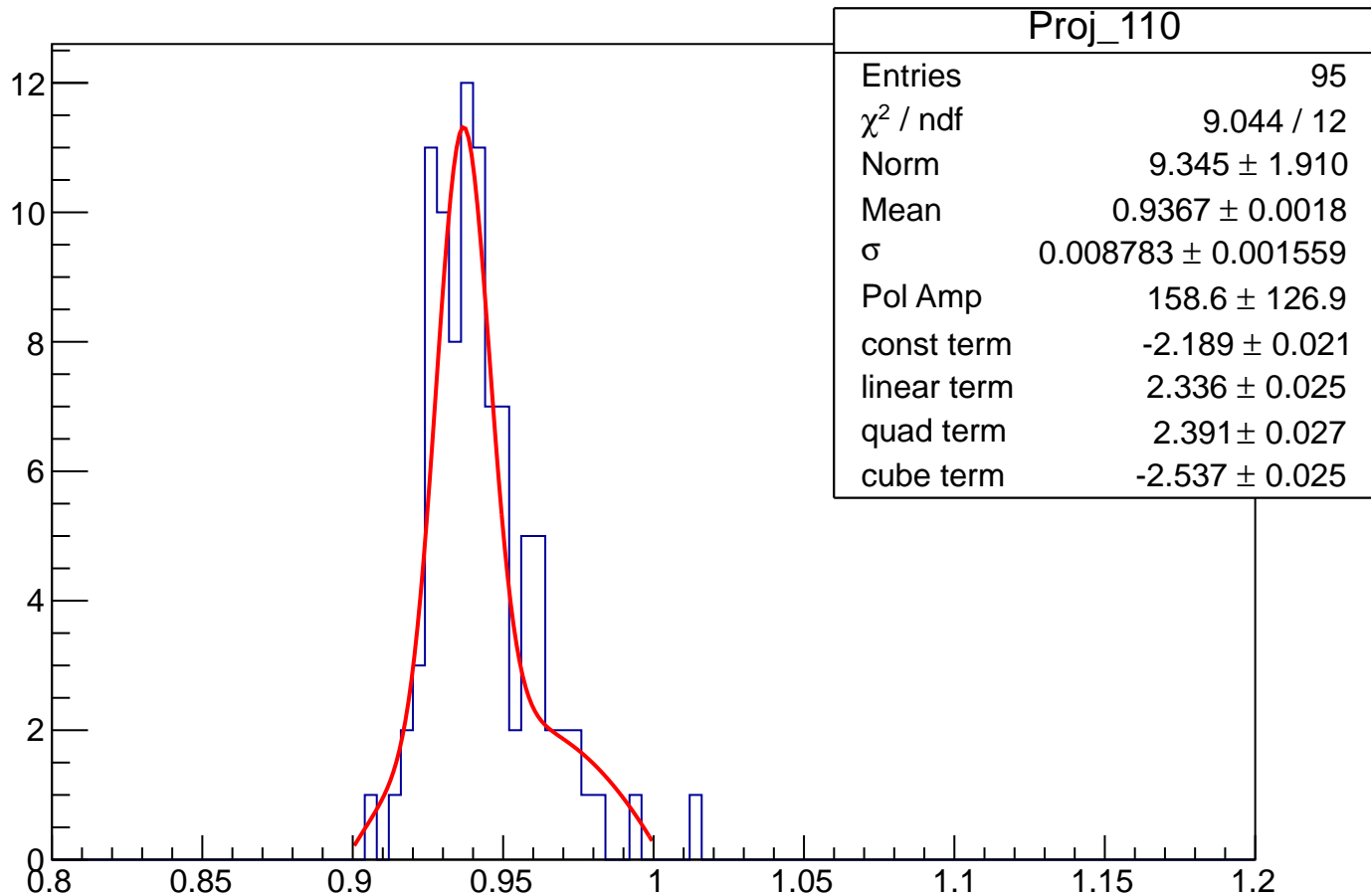
Entries	148
$\chi^2 / \text{ndf}$	12.66 / 11
Norm	$16.2 \pm 2.1$
Mean	$0.9392 \pm 0.0014$
$\sigma$	$0.01079 \pm 0.00148$
Pol Amp	$15.29 \pm 43.06$
const term	$-2.409 \pm 0.277$
linear term	$2.451 \pm 0.310$
quad term	$2.586 \pm 0.335$
cube term	$-2.531 \pm 0.352$

# PhiThetaMassPip

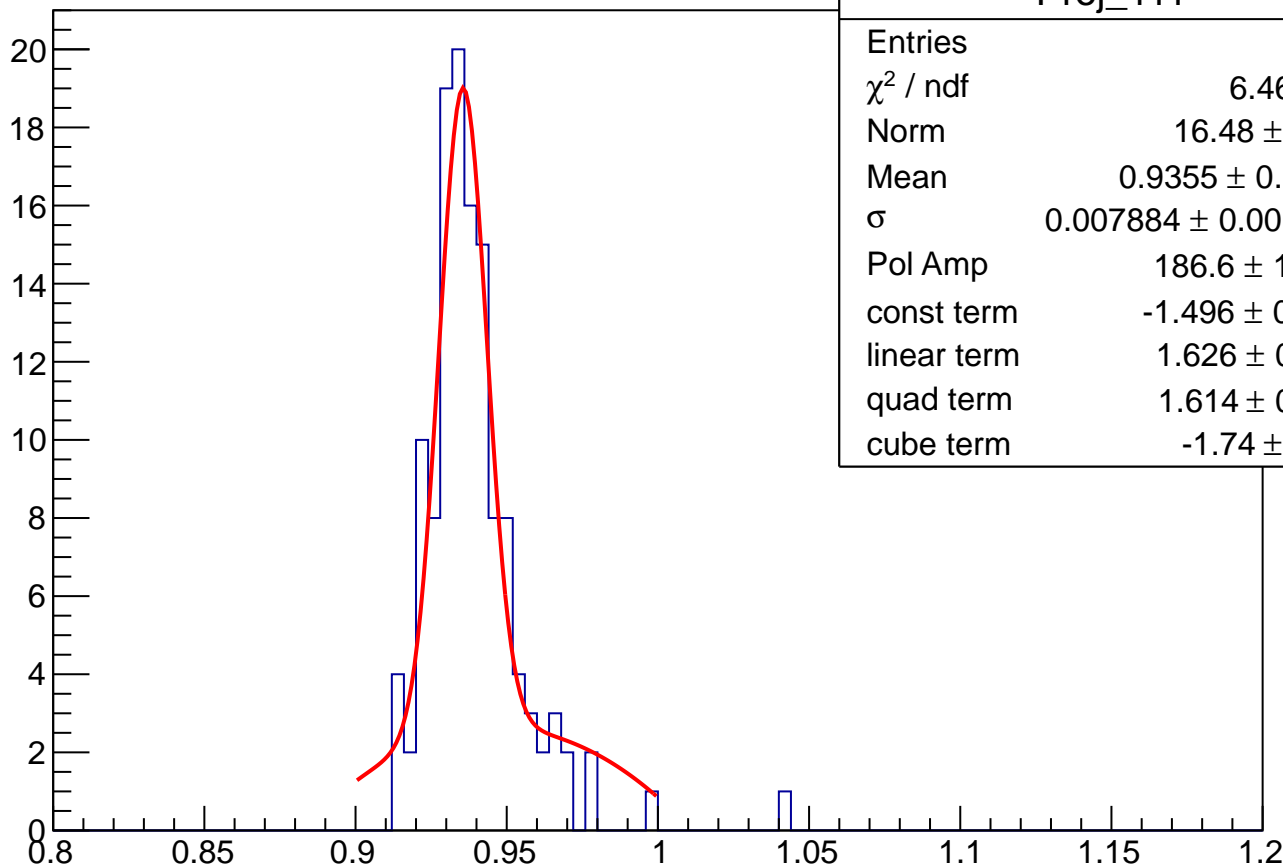




# PhiThetaMassPip



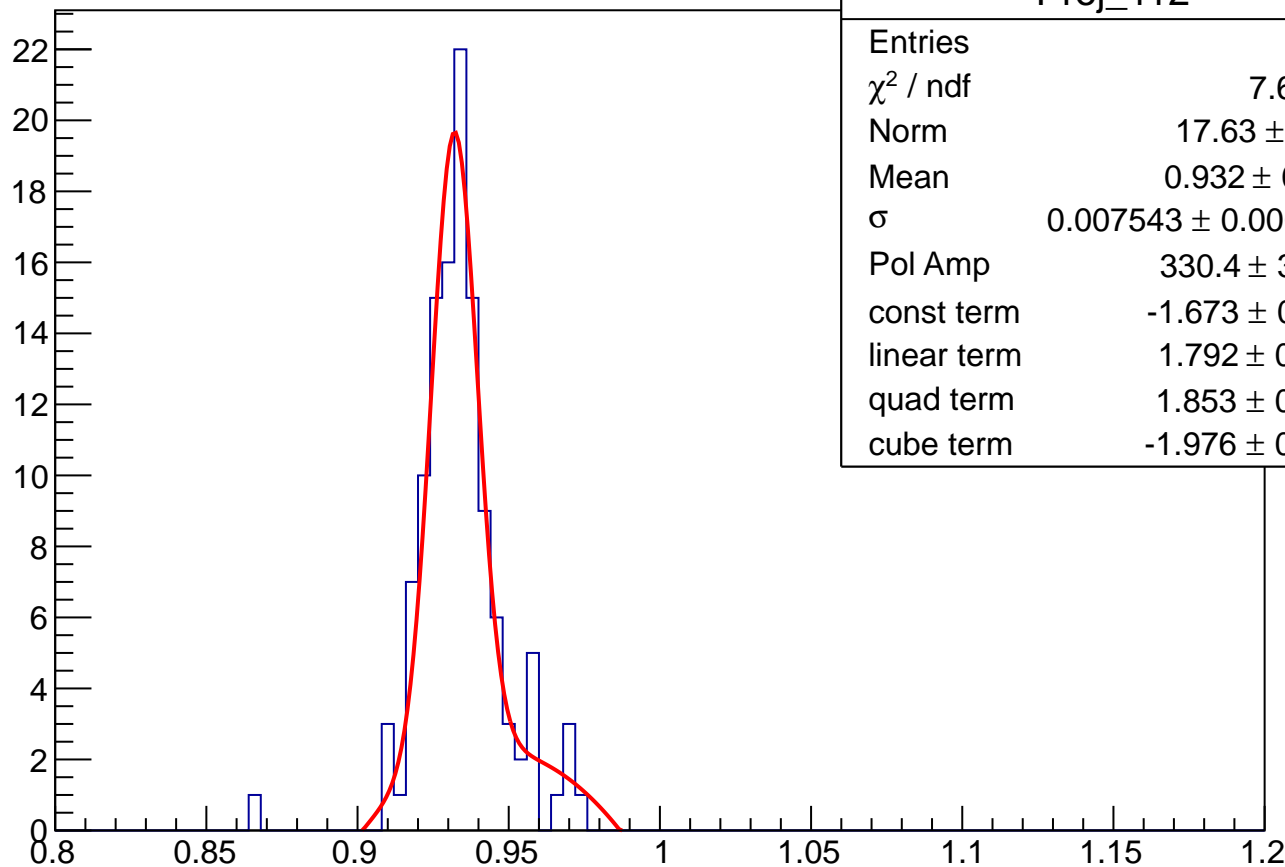
# PhiThetaMassPip



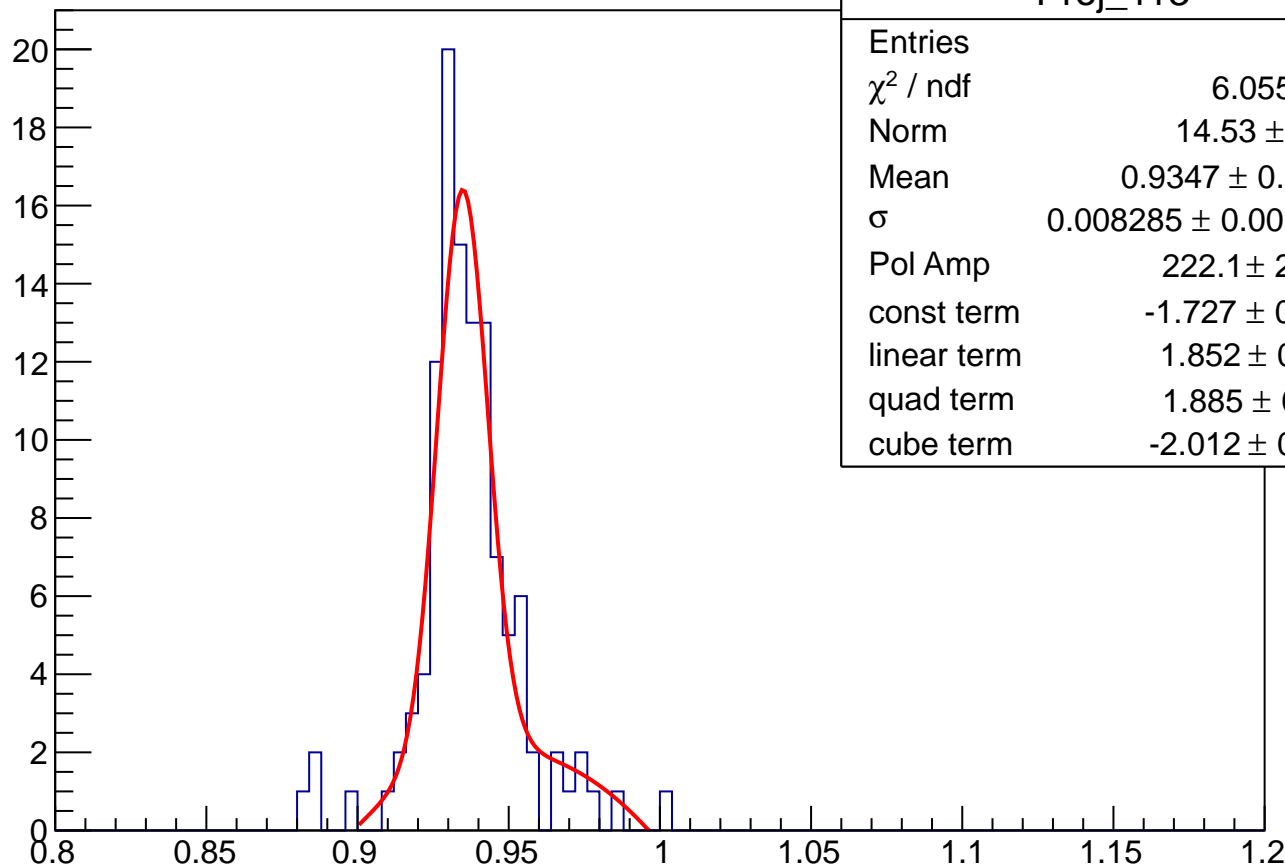
Proj\_111

Entries	128
$\chi^2 / \text{ndf}$	6.465 / 9
Norm	$16.48 \pm 2.63$
Mean	$0.9355 \pm 0.0012$
$\sigma$	$0.007884 \pm 0.001265$
Pol Amp	$186.6 \pm 157.7$
const term	$-1.496 \pm 0.028$
linear term	$1.626 \pm 0.030$
quad term	$1.614 \pm 0.030$
cube term	$-1.74 \pm 0.03$

# PhiThetaMassPip



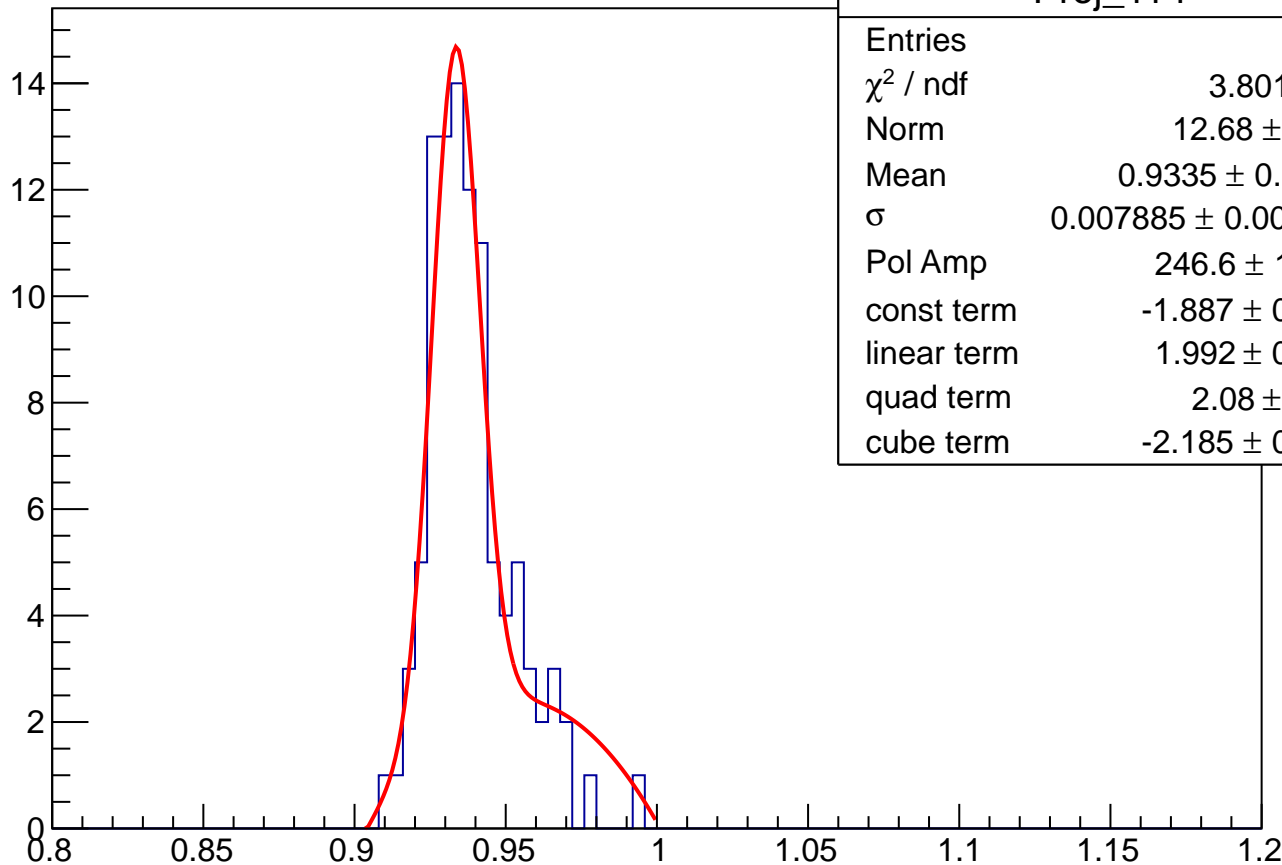
# PhiThetaMassPip



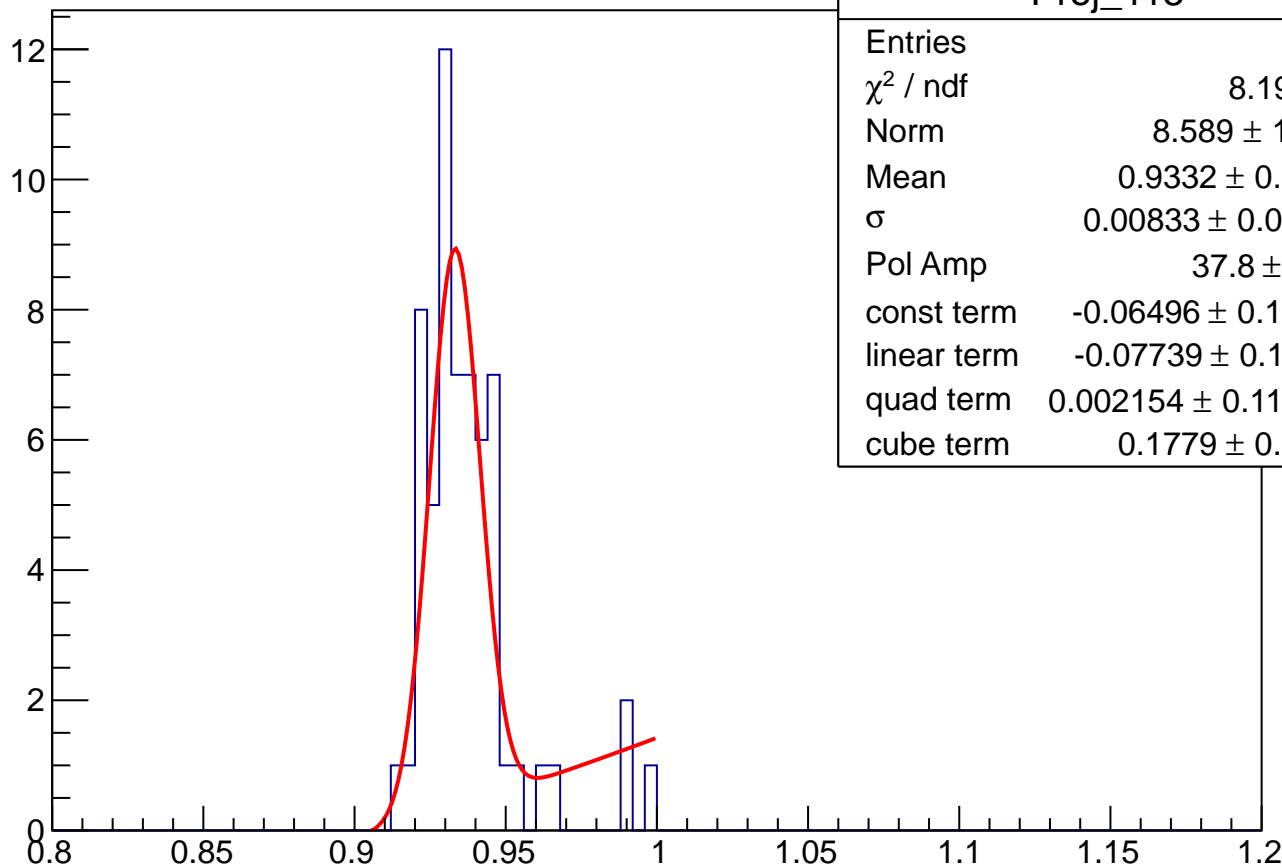
Proj\_113

Entries	115
$\chi^2 / \text{ndf}$	6.055 / 10
Norm	$14.53 \pm 2.44$
Mean	$0.9347 \pm 0.0014$
$\sigma$	$0.008285 \pm 0.001377$
Pol Amp	$222.1 \pm 233.6$
const term	$-1.727 \pm 0.017$
linear term	$1.852 \pm 0.020$
quad term	$1.885 \pm 0.021$
cube term	$-2.012 \pm 0.020$

# PhiThetaMassPip



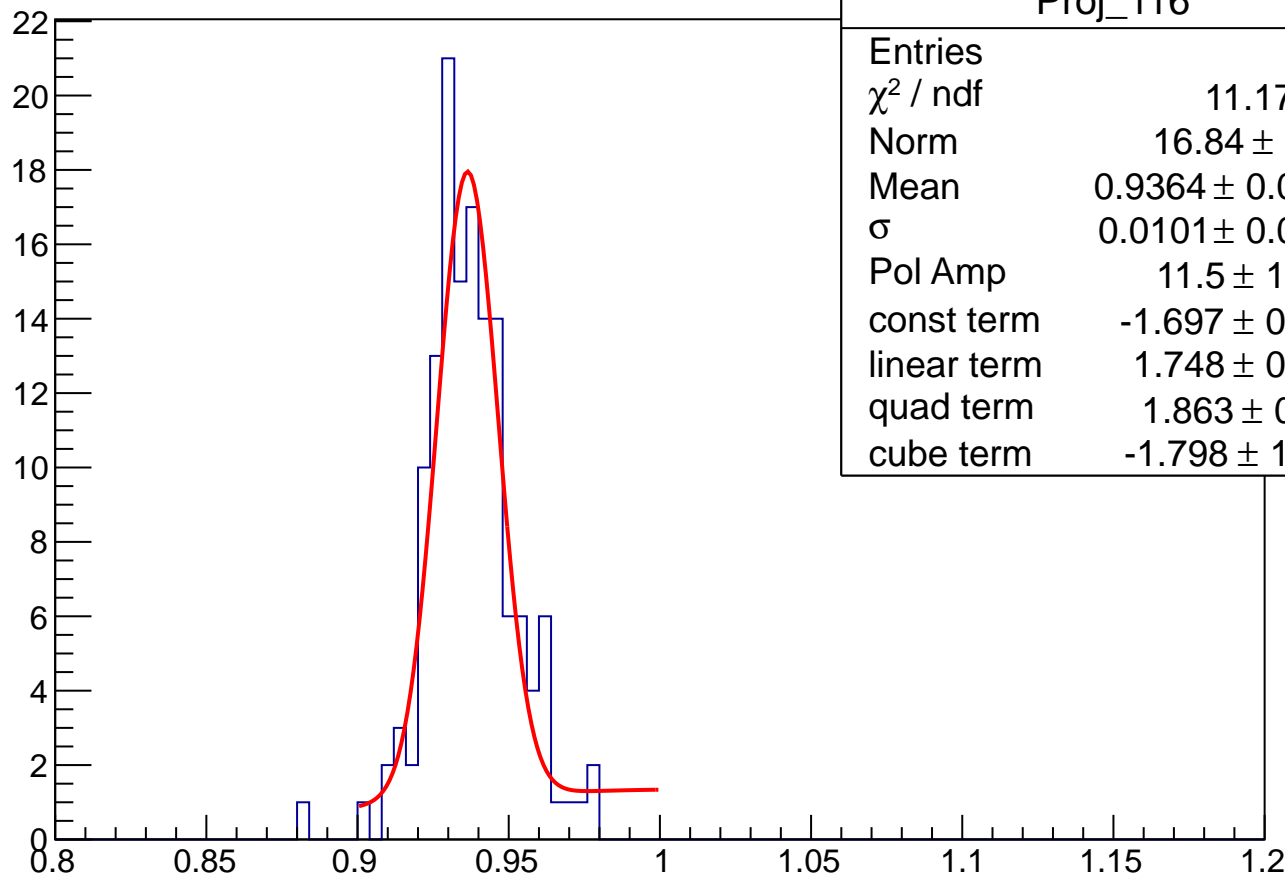
# PhiThetaMassPip



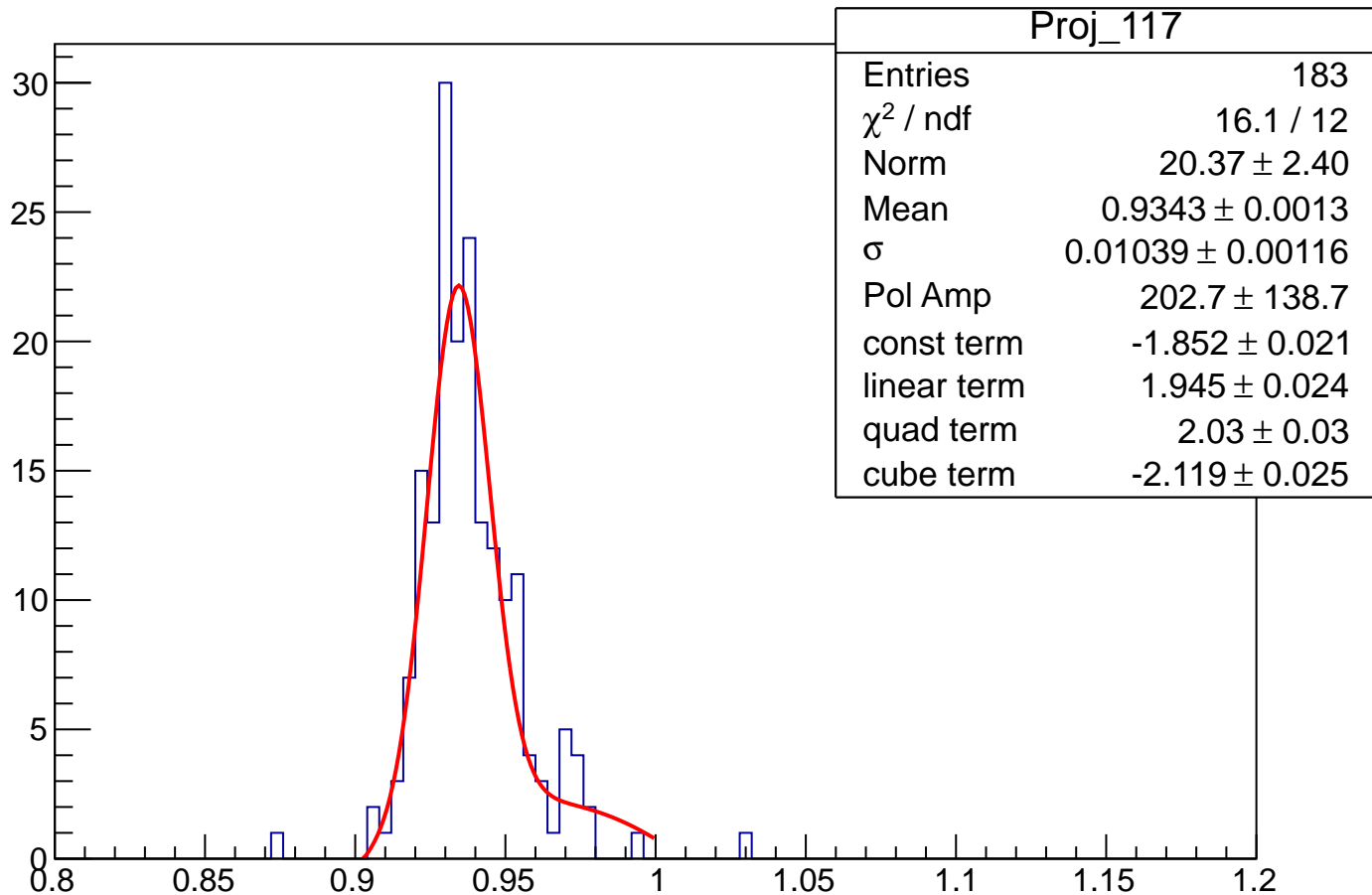
Proj\_115

Entries	61
$\chi^2 / \text{ndf}$	8.197 / 7
Norm	$8.589 \pm 1.726$
Mean	$0.9332 \pm 0.0015$
$\sigma$	$0.00833 \pm 0.00165$
Pol Amp	$37.8 \pm 58.8$
const term	$-0.06496 \pm 0.10325$
linear term	$-0.07739 \pm 0.11040$
quad term	$0.002154 \pm 0.117434$
cube term	$0.1779 \pm 0.1245$

# PhiThetaMassPip

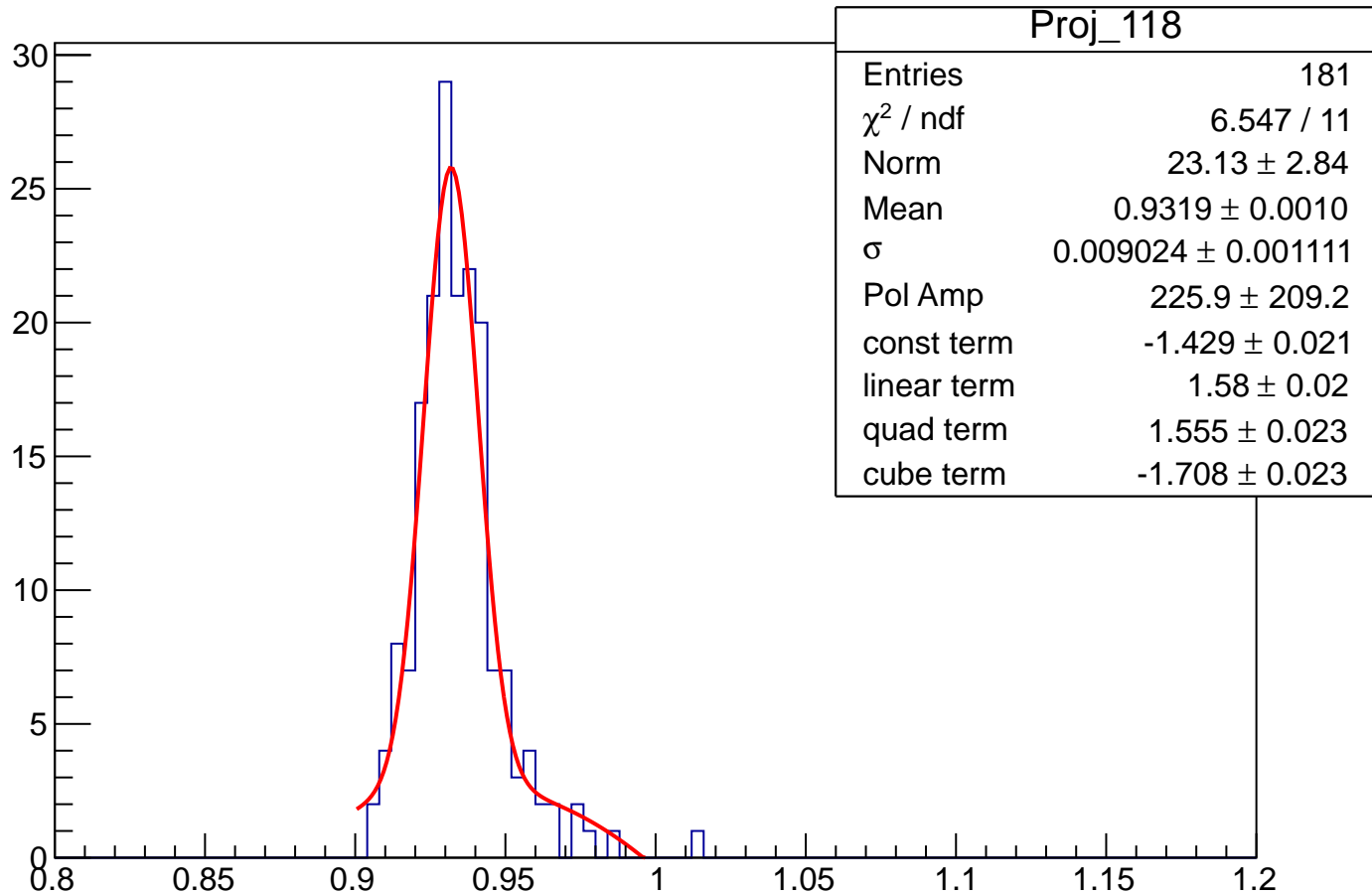


# PhiThetaMassPip

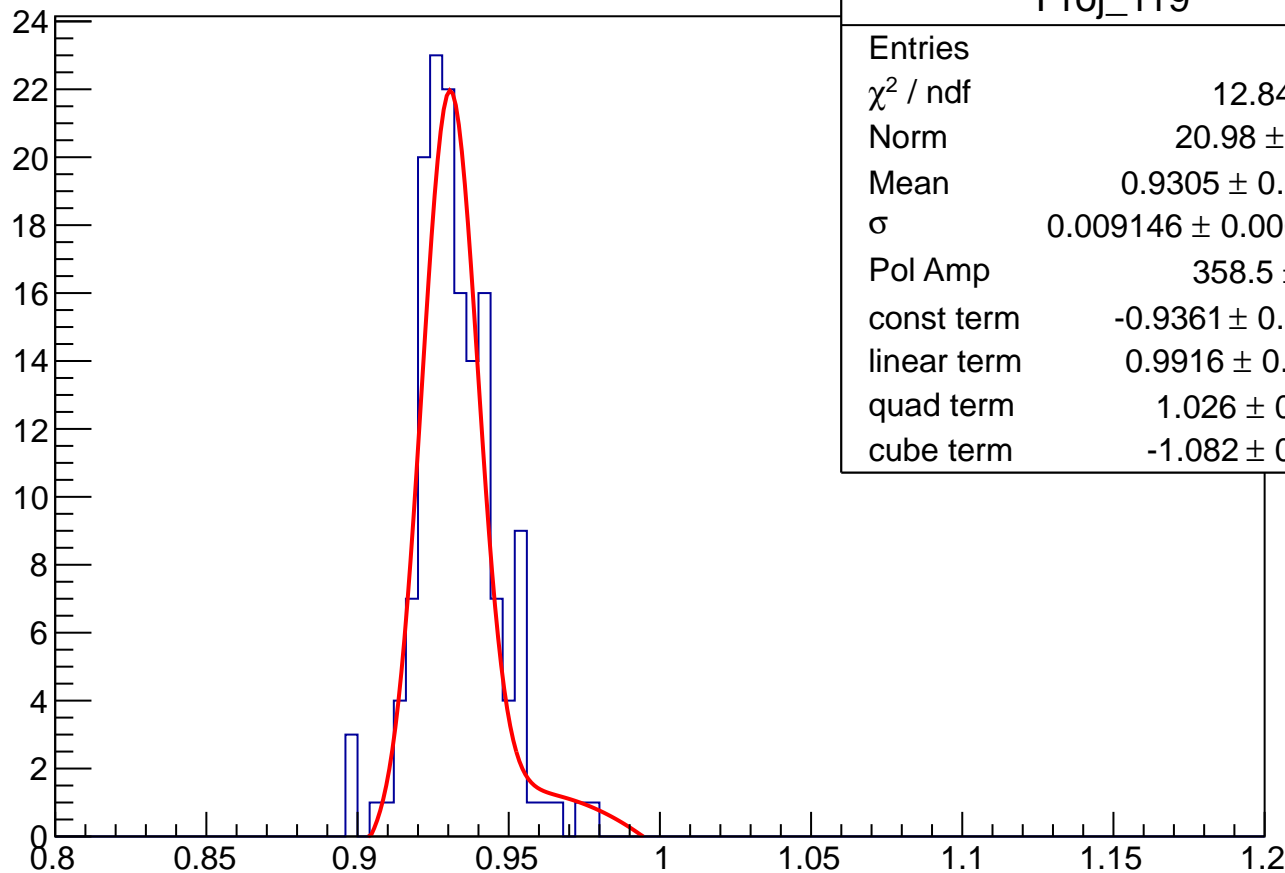




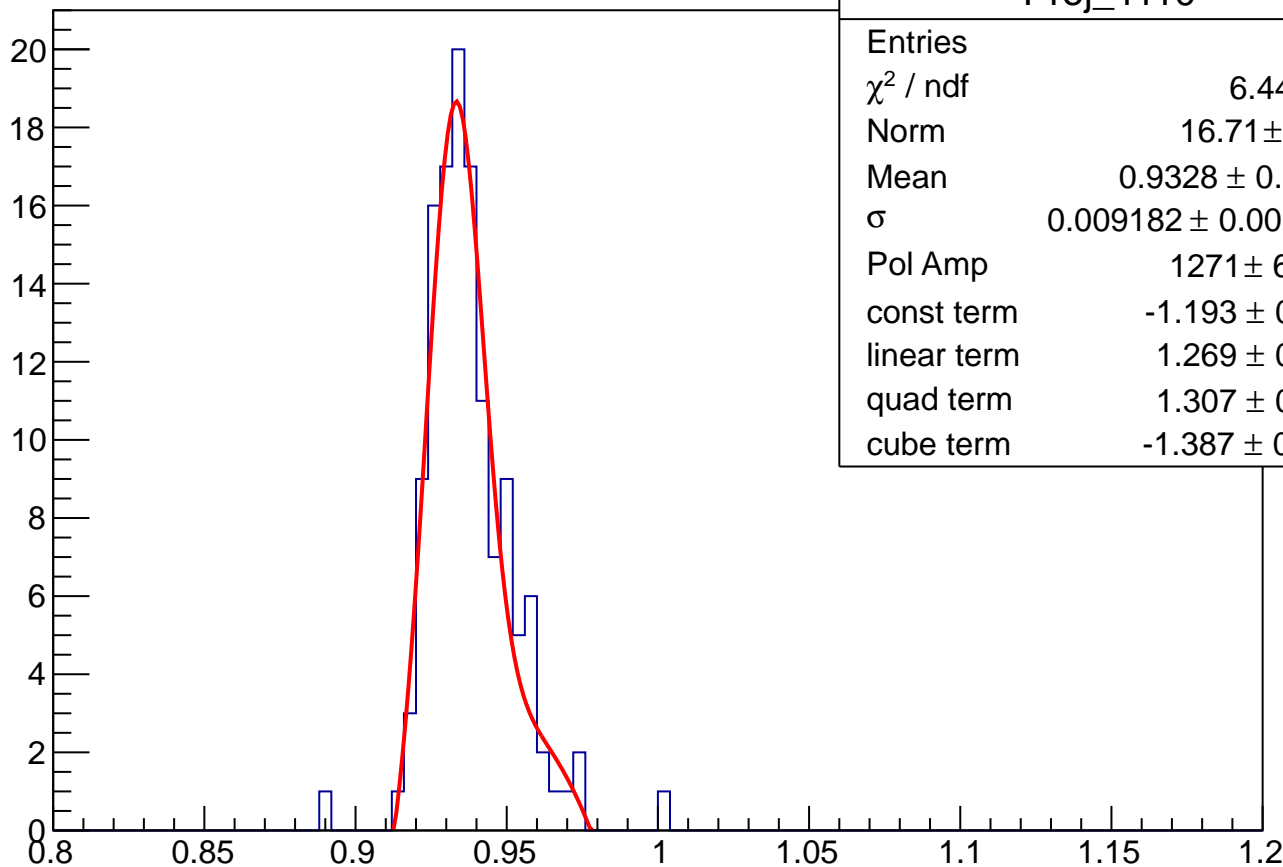
# PhiThetaMassPip



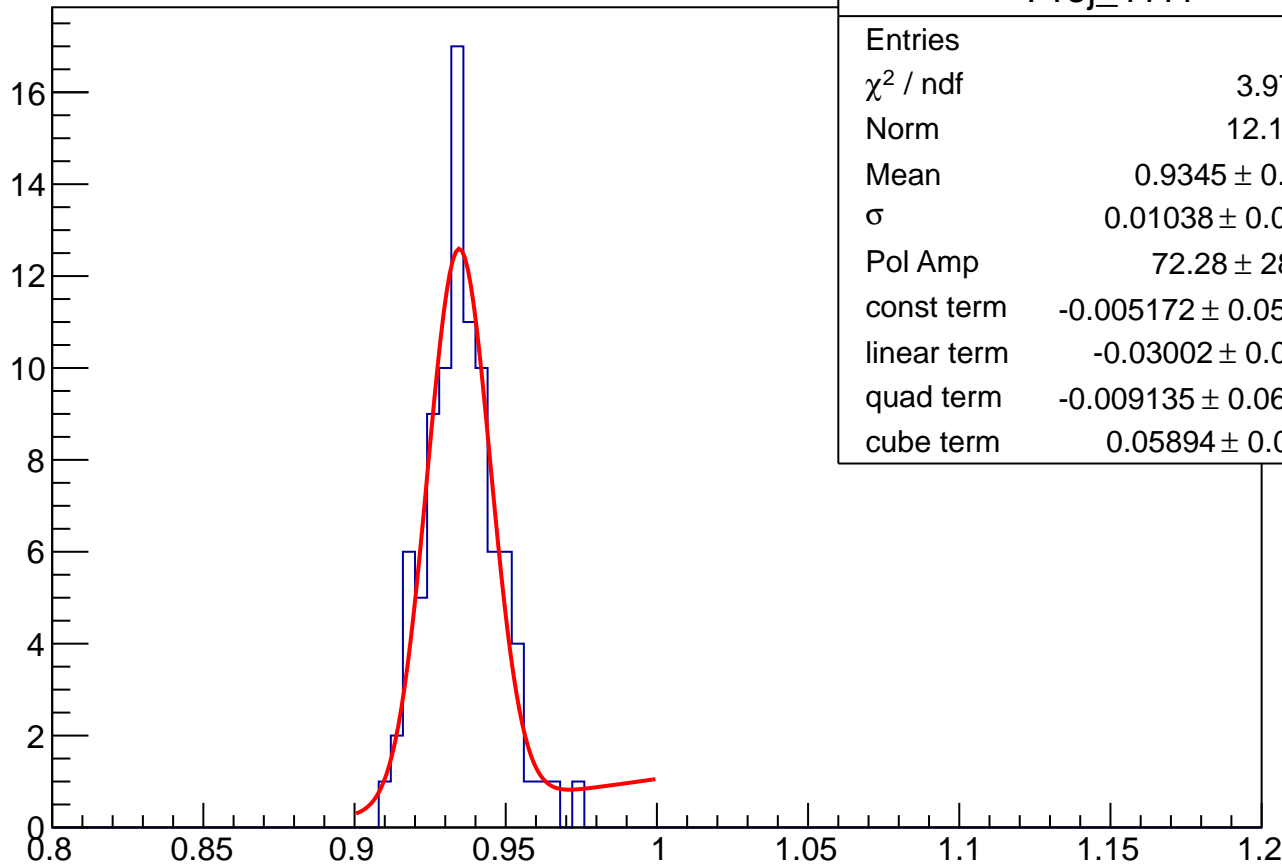
# PhiThetaMassPip



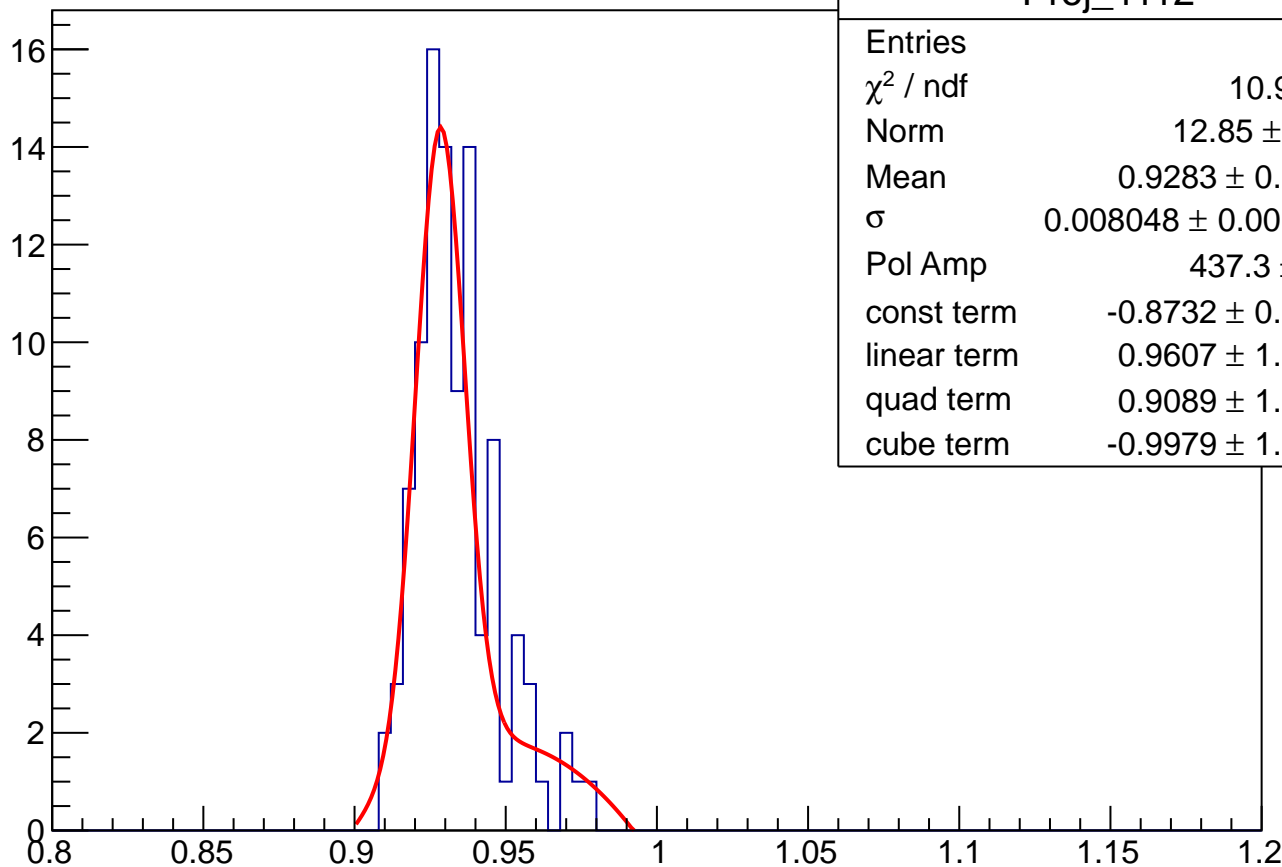
# PhiThetaMassPip



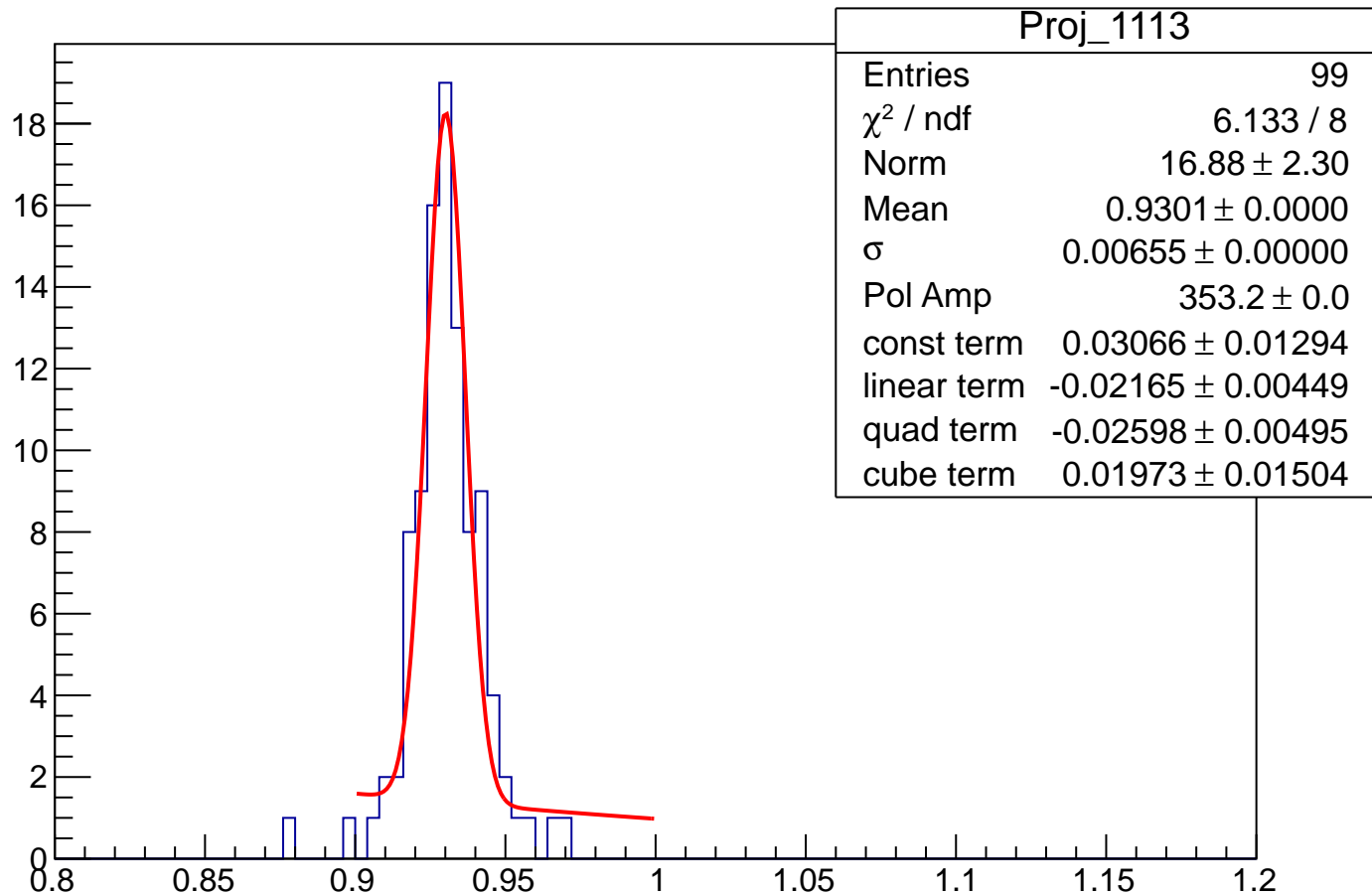
# PhiThetaMassPip



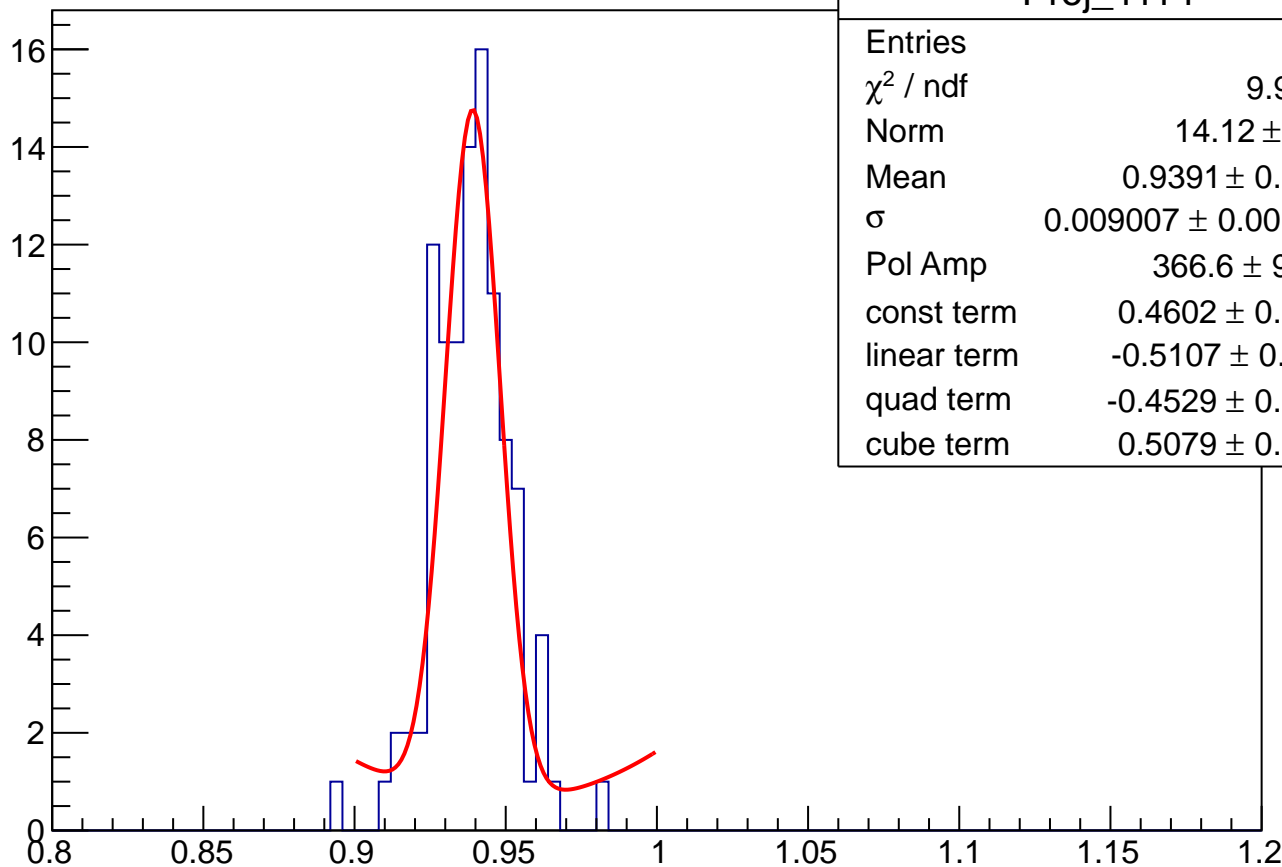
# PhiThetaMassPip



# PhiThetaMassPip



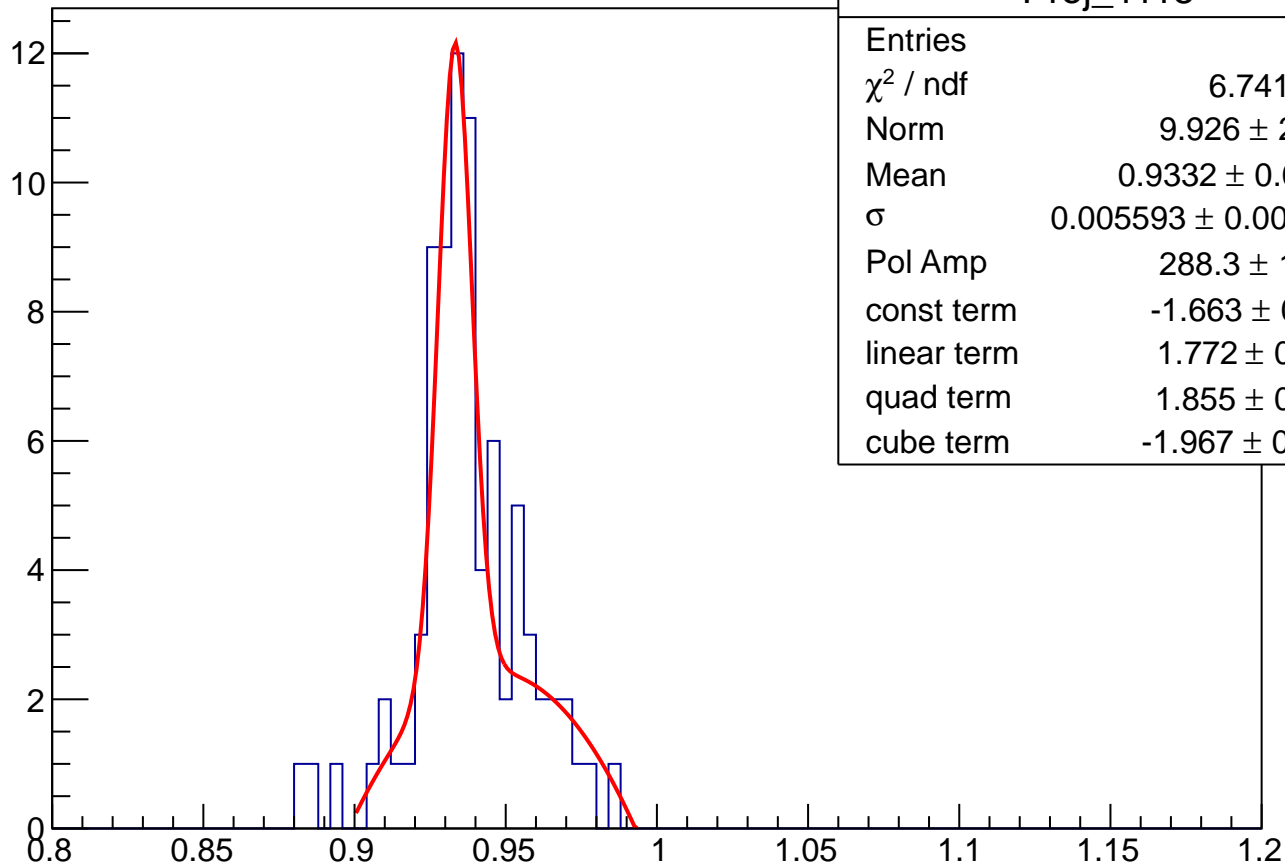
# PhiThetaMassPip



Proj\_1114

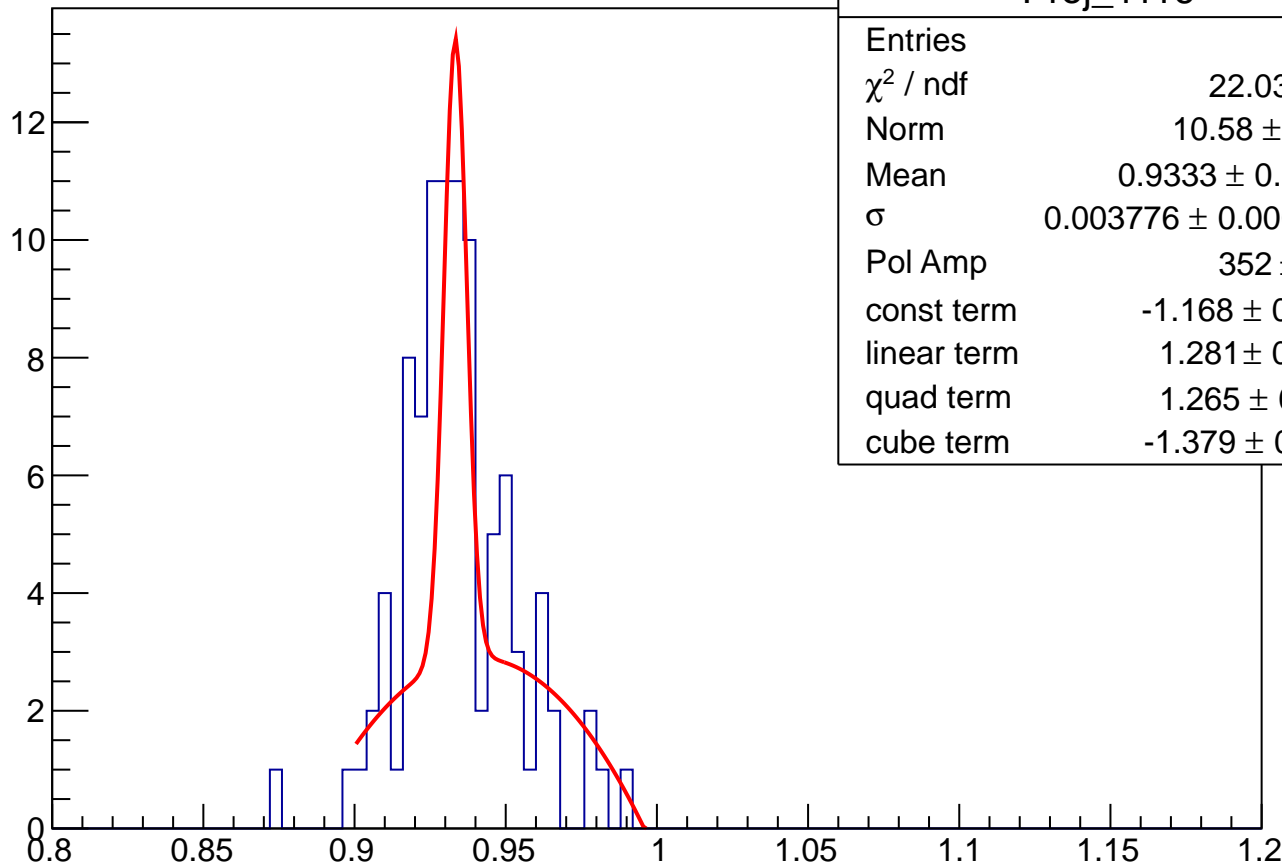
Entries	103
$\chi^2 / \text{ndf}$	9.91 / 8
Norm	$14.12 \pm 2.16$
Mean	$0.9391 \pm 0.0013$
$\sigma$	$0.009007 \pm 0.001230$
Pol Amp	$366.6 \pm 959.6$
const term	$0.4602 \pm 0.0120$
linear term	$-0.5107 \pm 0.0131$
quad term	$-0.4529 \pm 0.0135$
cube term	$0.5079 \pm 0.0129$

# PhiThetaMassPip





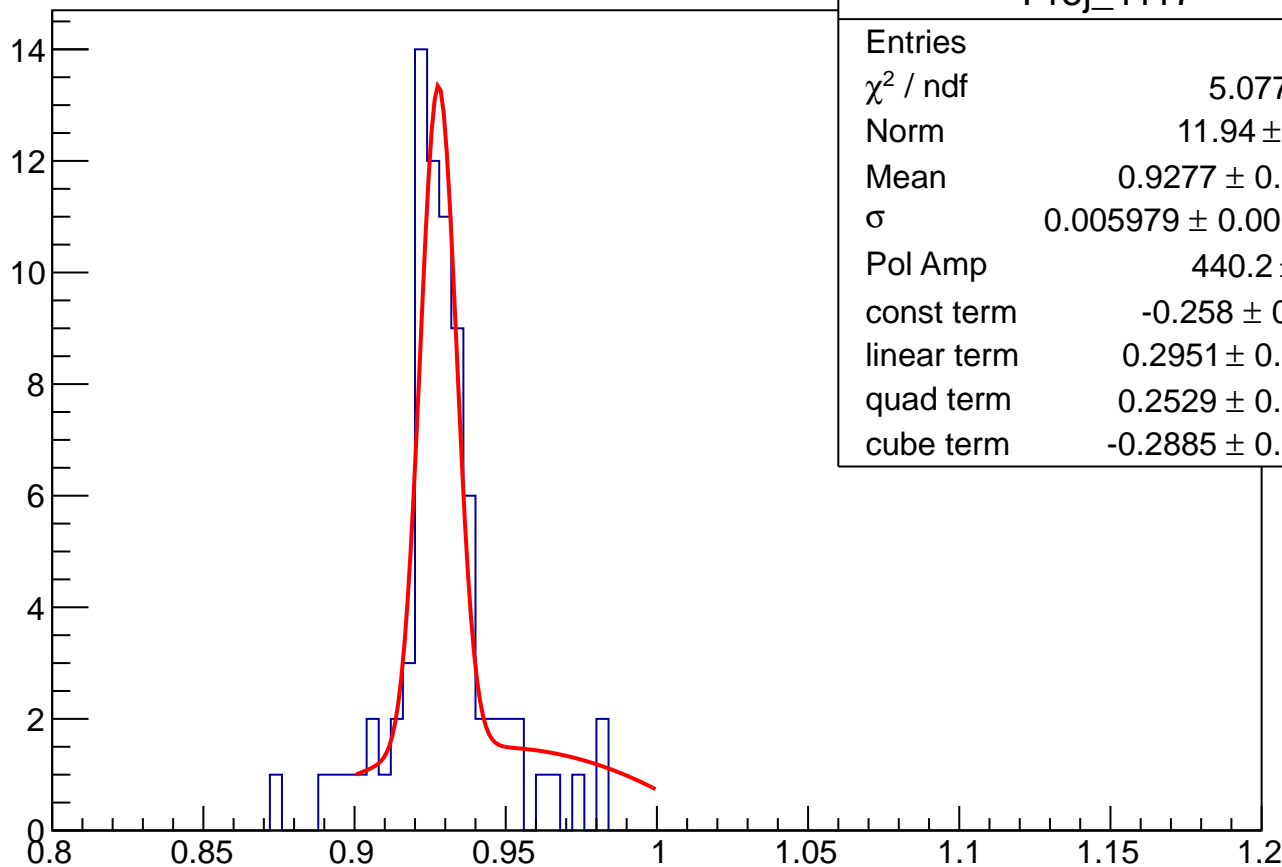
# PhiThetaMassPip



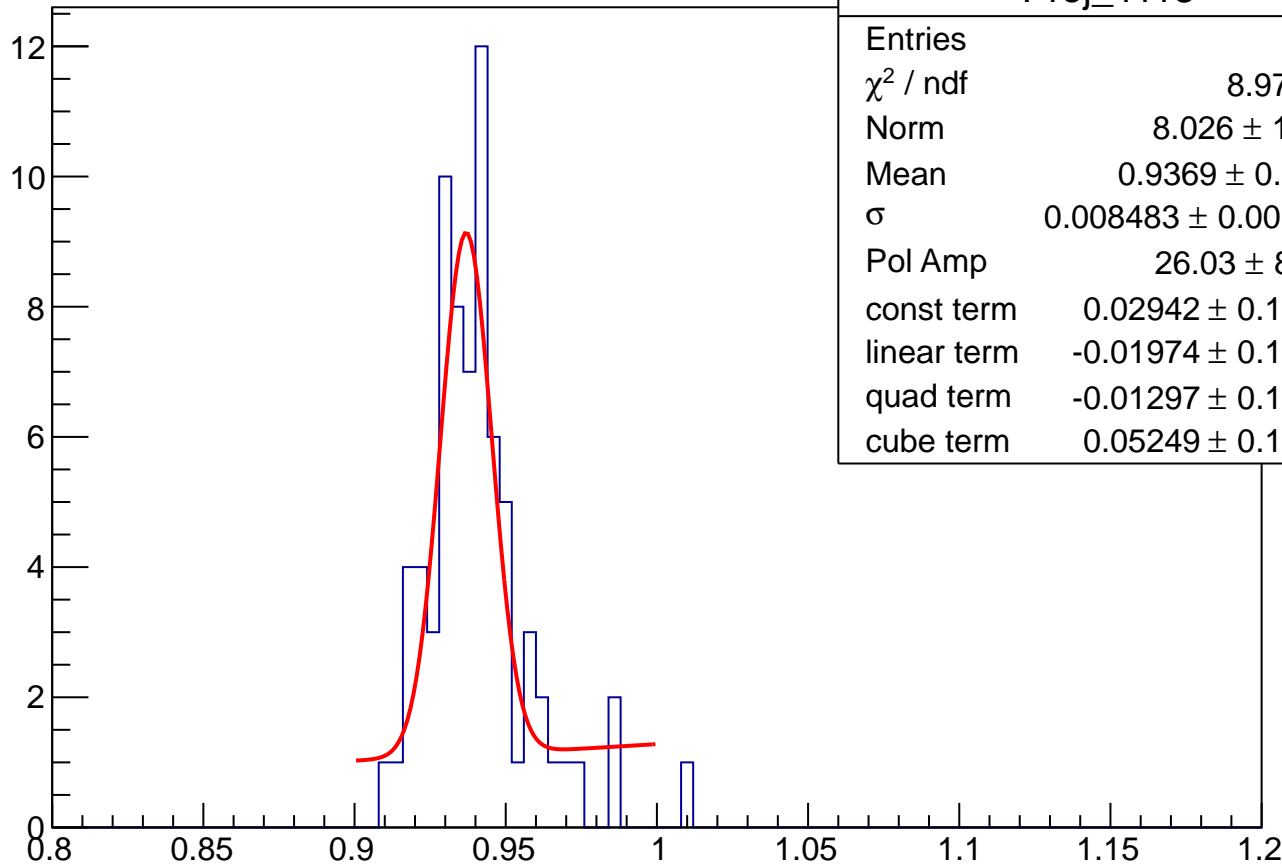
Proj\_1116

Entries	96
$\chi^2 / \text{ndf}$	22.03 / 12
Norm	$10.58 \pm 2.99$
Mean	$0.9333 \pm 0.0006$
$\sigma$	$0.003776 \pm 0.000577$
Pol Amp	$352 \pm 1.7$
const term	$-1.168 \pm 0.629$
linear term	$1.281 \pm 0.669$
quad term	$1.265 \pm 0.701$
cube term	$-1.379 \pm 0.744$

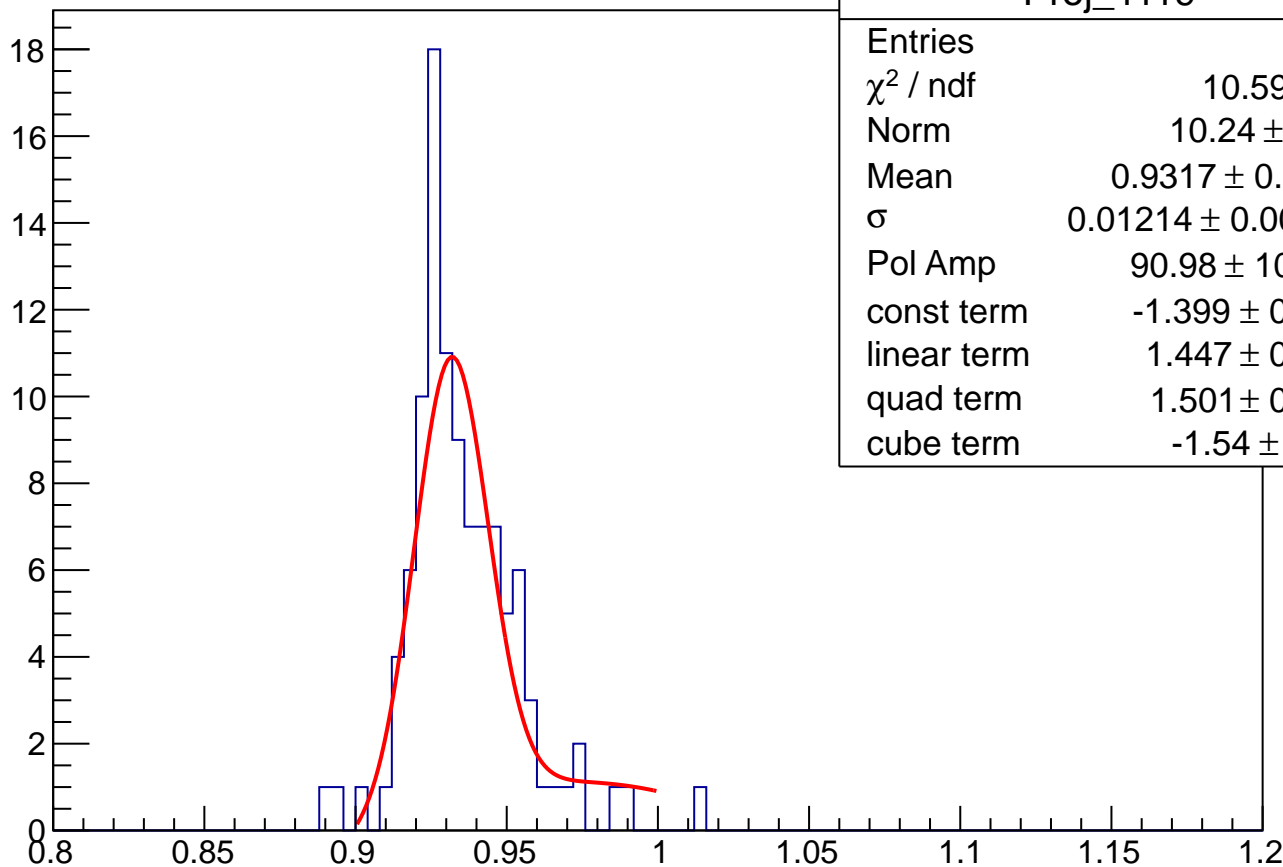
# PhiThetaMassPip



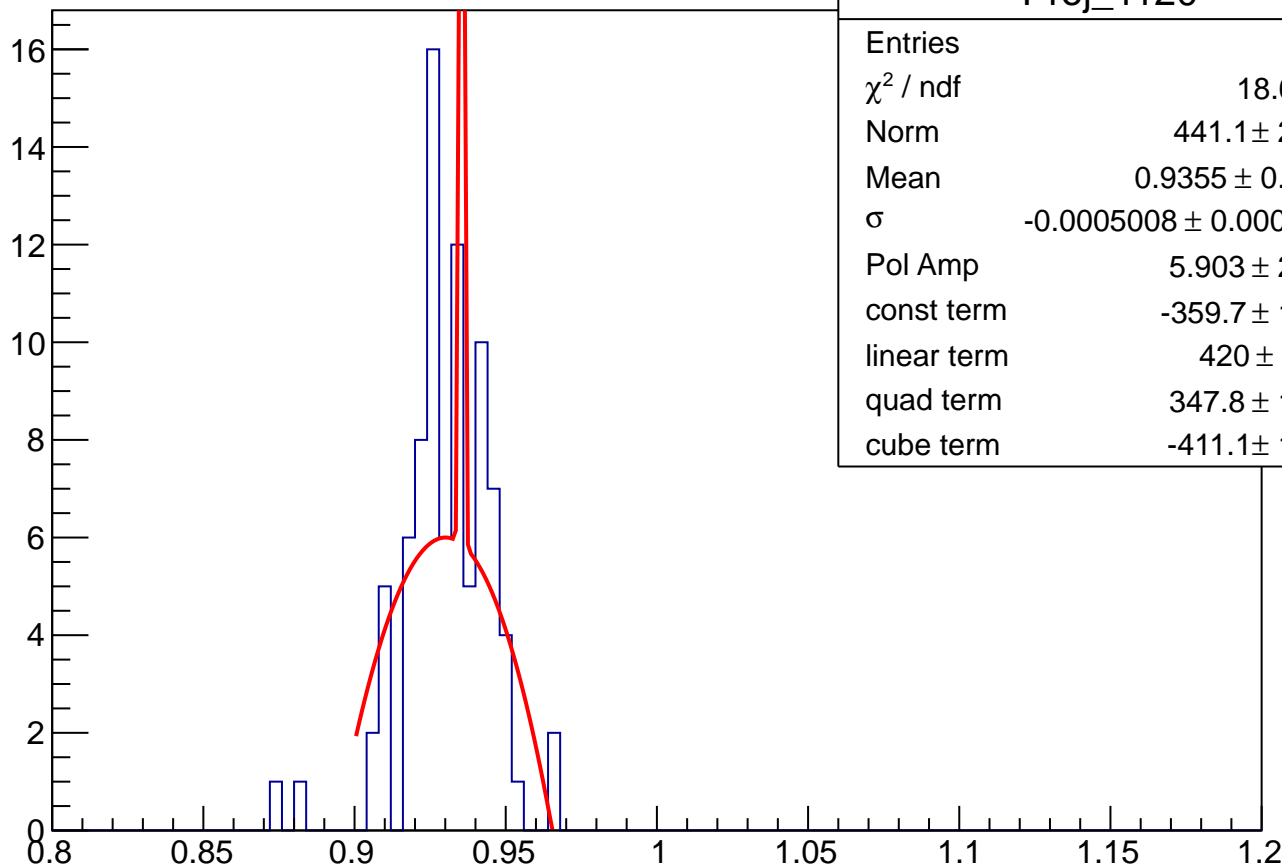
# PhiThetaMassPip



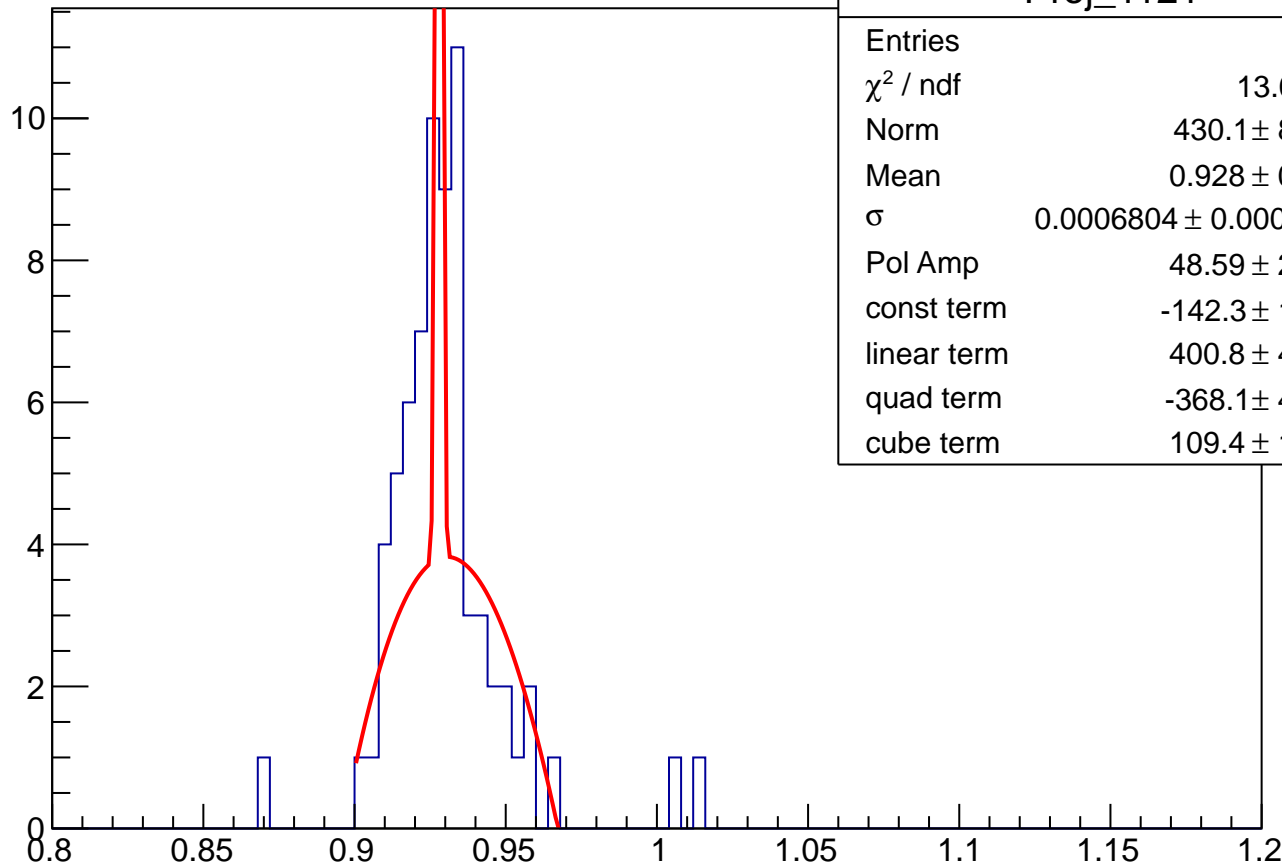
# PhiThetaMassPip



# PhiThetaMassPip



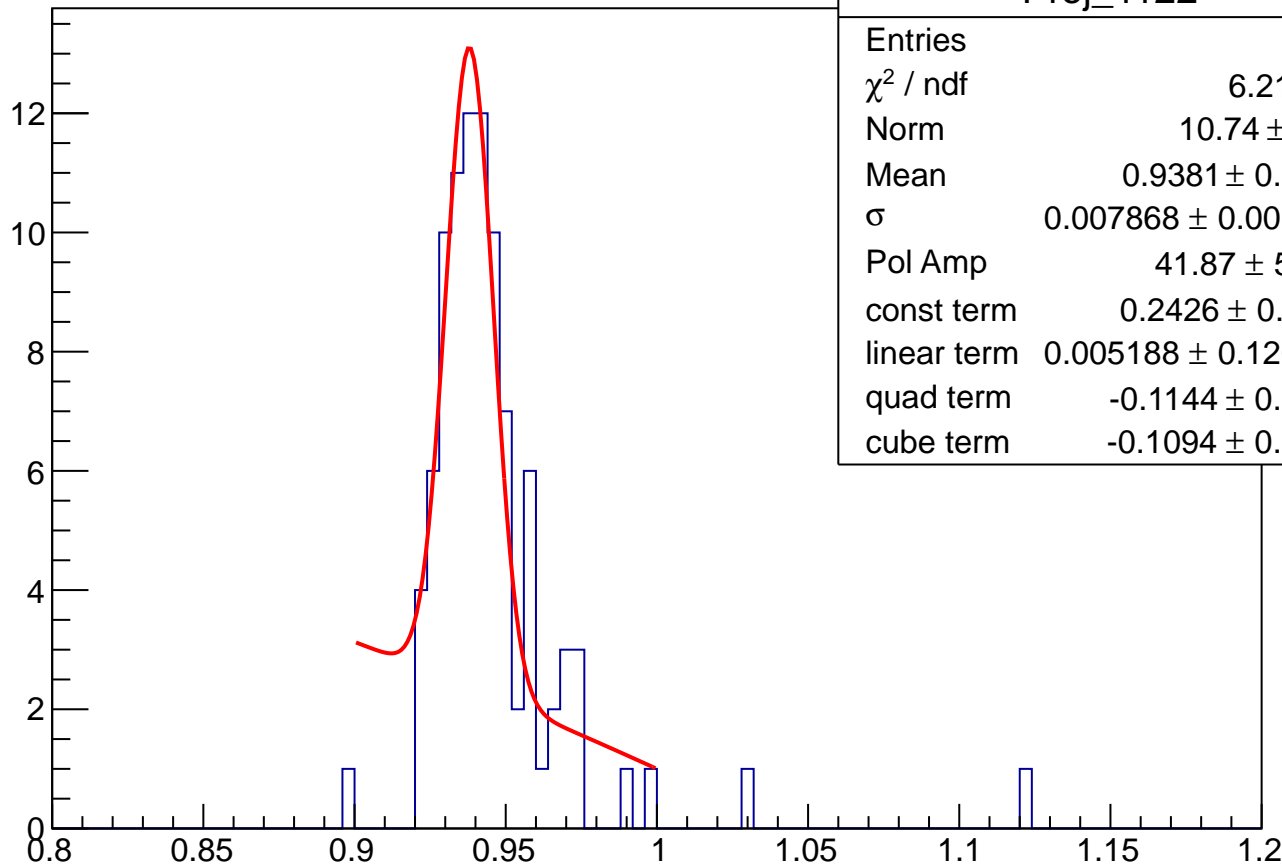
# PhiThetaMassPip



Proj\_1121

Entries	71
$\chi^2 / \text{ndf}$	13.07 / 8
Norm	$430.1 \pm 889.5$
Mean	$0.928 \pm 0.000$
$\sigma$	$0.0006804 \pm 0.0001224$
Pol Amp	$48.59 \pm 23.57$
const term	$-142.3 \pm 135.2$
linear term	$400.8 \pm 408.7$
quad term	$-368.1 \pm 410.3$
cube term	$109.4 \pm 136.7$

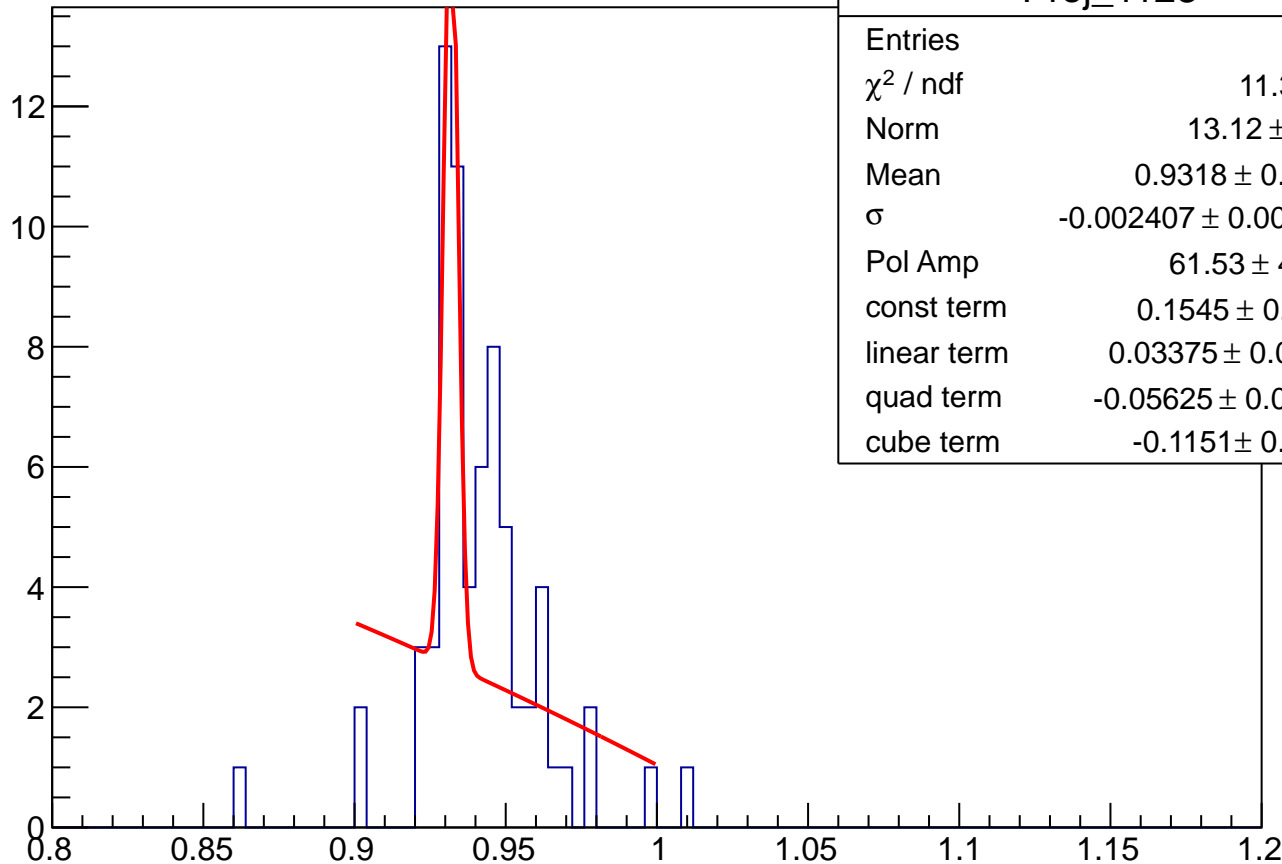
# PhiThetaMassPip



Proj\_1122

Entries	95
$\chi^2 / \text{ndf}$	6.217 / 8
Norm	$10.74 \pm 2.31$
Mean	$0.9381 \pm 0.0017$
$\sigma$	$0.007868 \pm 0.001668$
Pol Amp	$41.87 \pm 53.10$
const term	$0.2426 \pm 0.1180$
linear term	$0.005188 \pm 0.120143$
quad term	$-0.1144 \pm 0.1214$
cube term	$-0.1094 \pm 0.1217$

# PhiThetaMassPip



Proj\_1123

Entries	70
$\chi^2 / \text{ndf}$	11.34 / 8
Norm	$13.12 \pm 6.00$
Mean	$0.9318 \pm 0.0008$
$\sigma$	$-0.002407 \pm 0.001260$
Pol Amp	$61.53 \pm 44.22$
const term	$0.1545 \pm 0.0772$
linear term	$0.03375 \pm 0.07901$
quad term	$-0.05625 \pm 0.08047$
cube term	$-0.1151 \pm 0.0808$