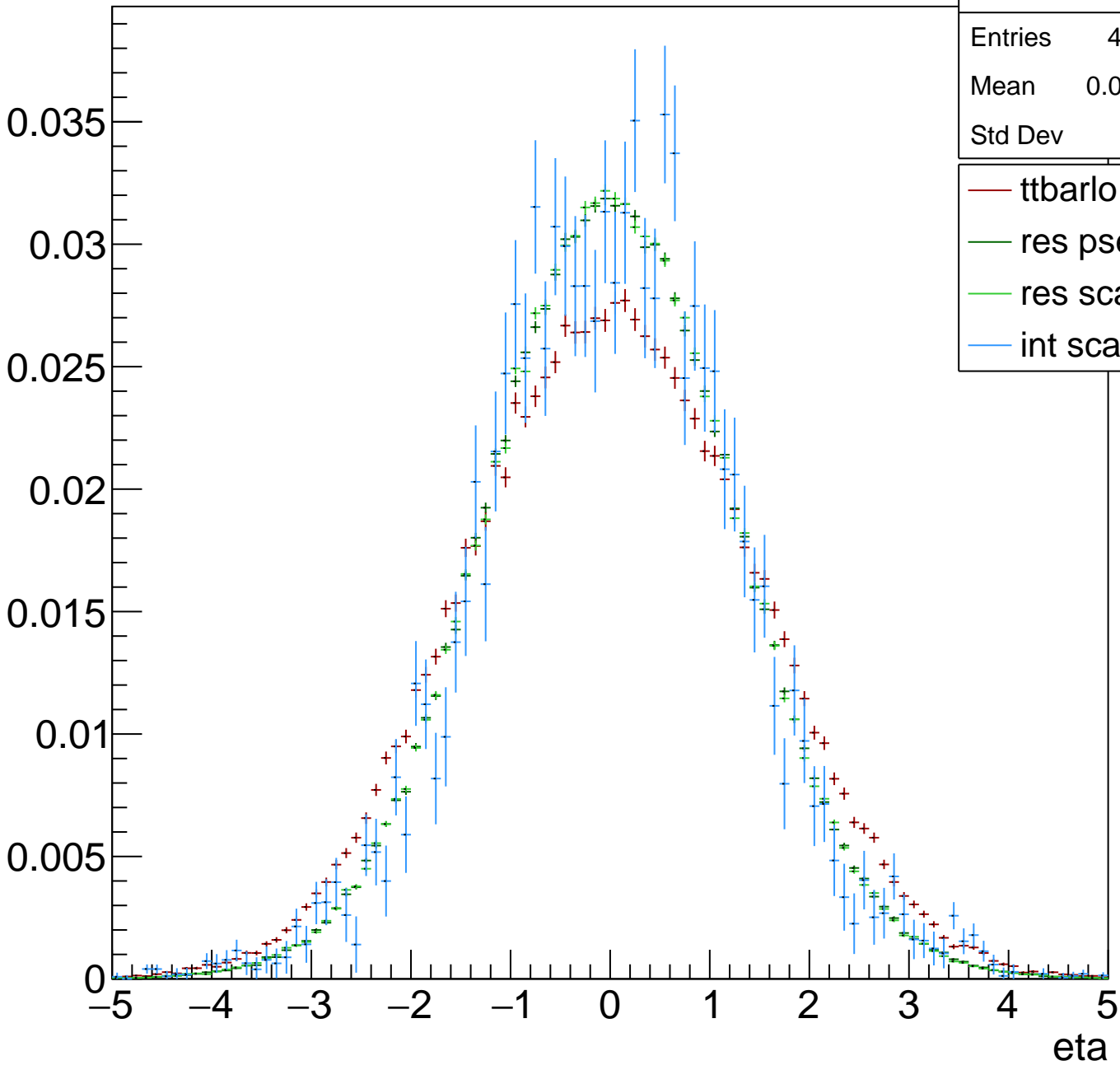
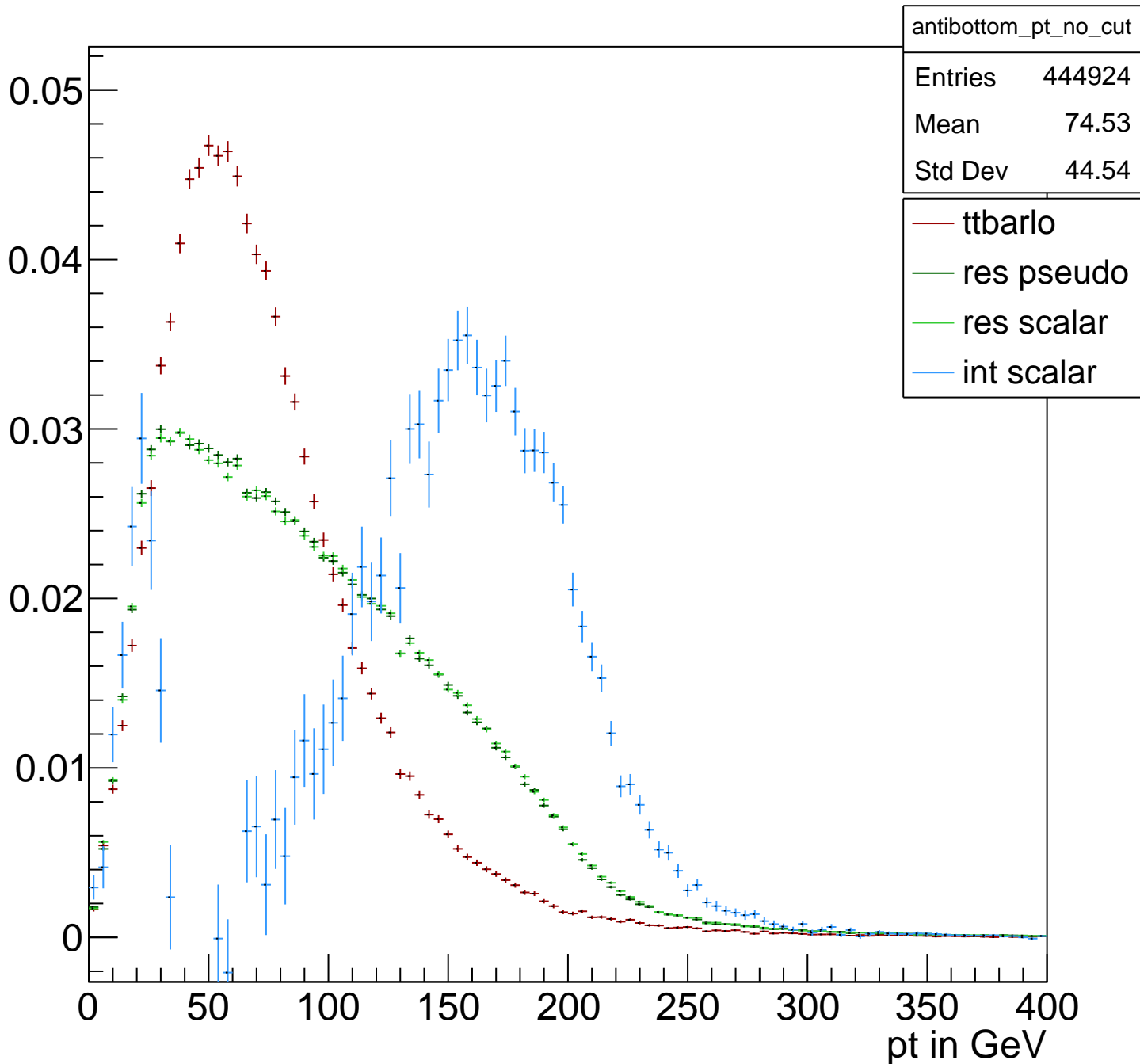
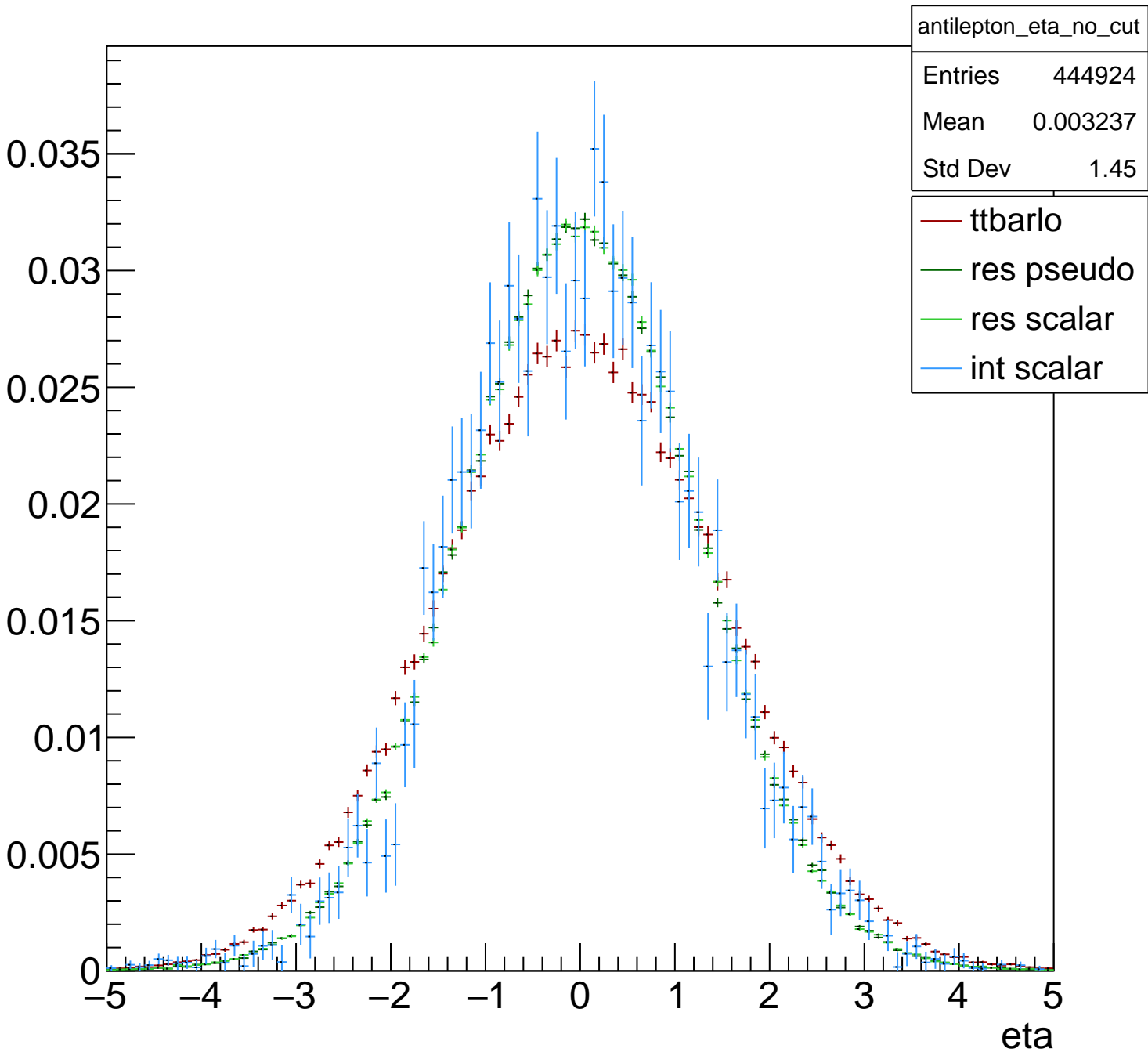


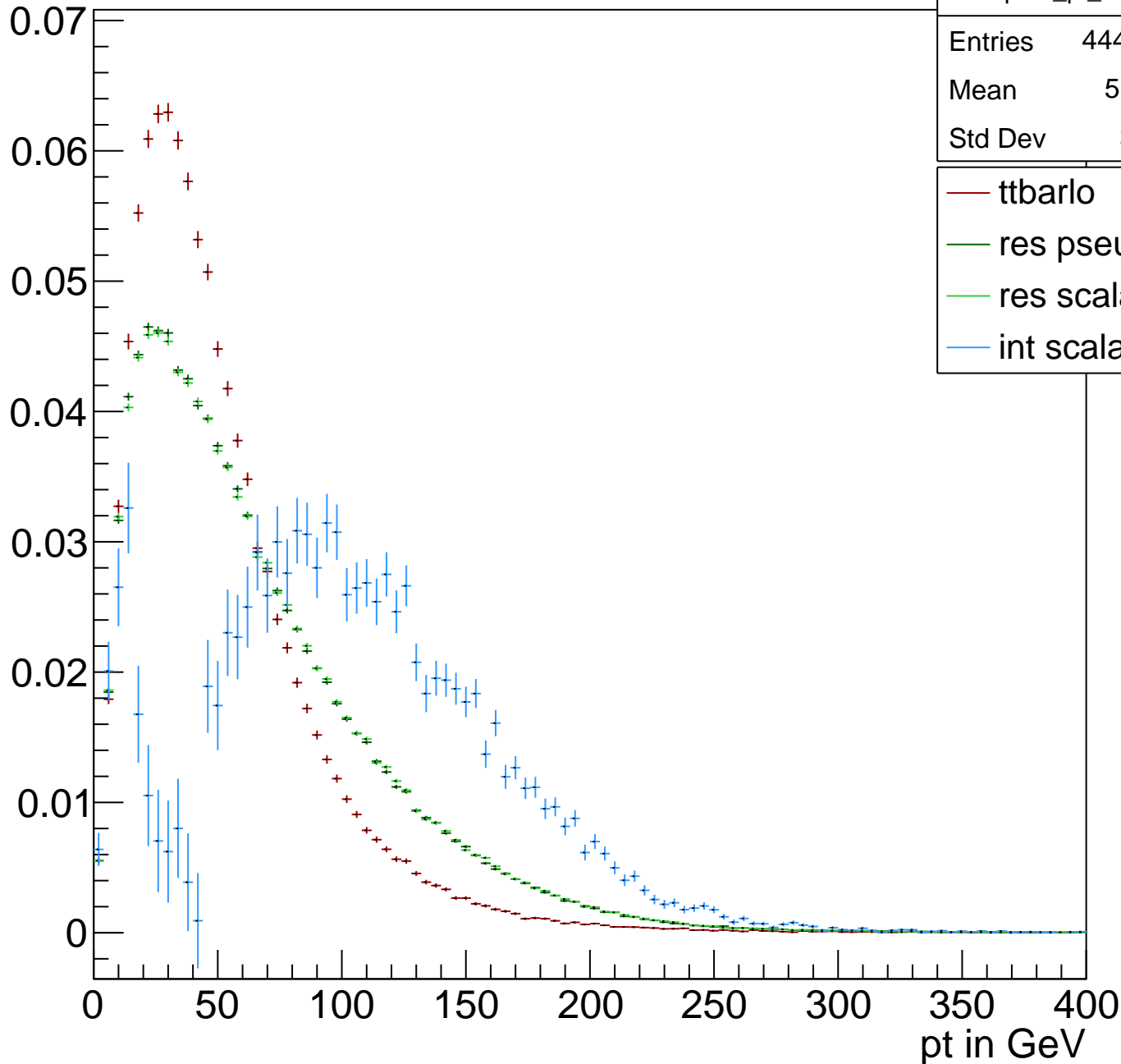
antibottom_eta_no_cut	
Entries	444924
Mean	0.003686
Std Dev	1.441
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int scalar</div>	



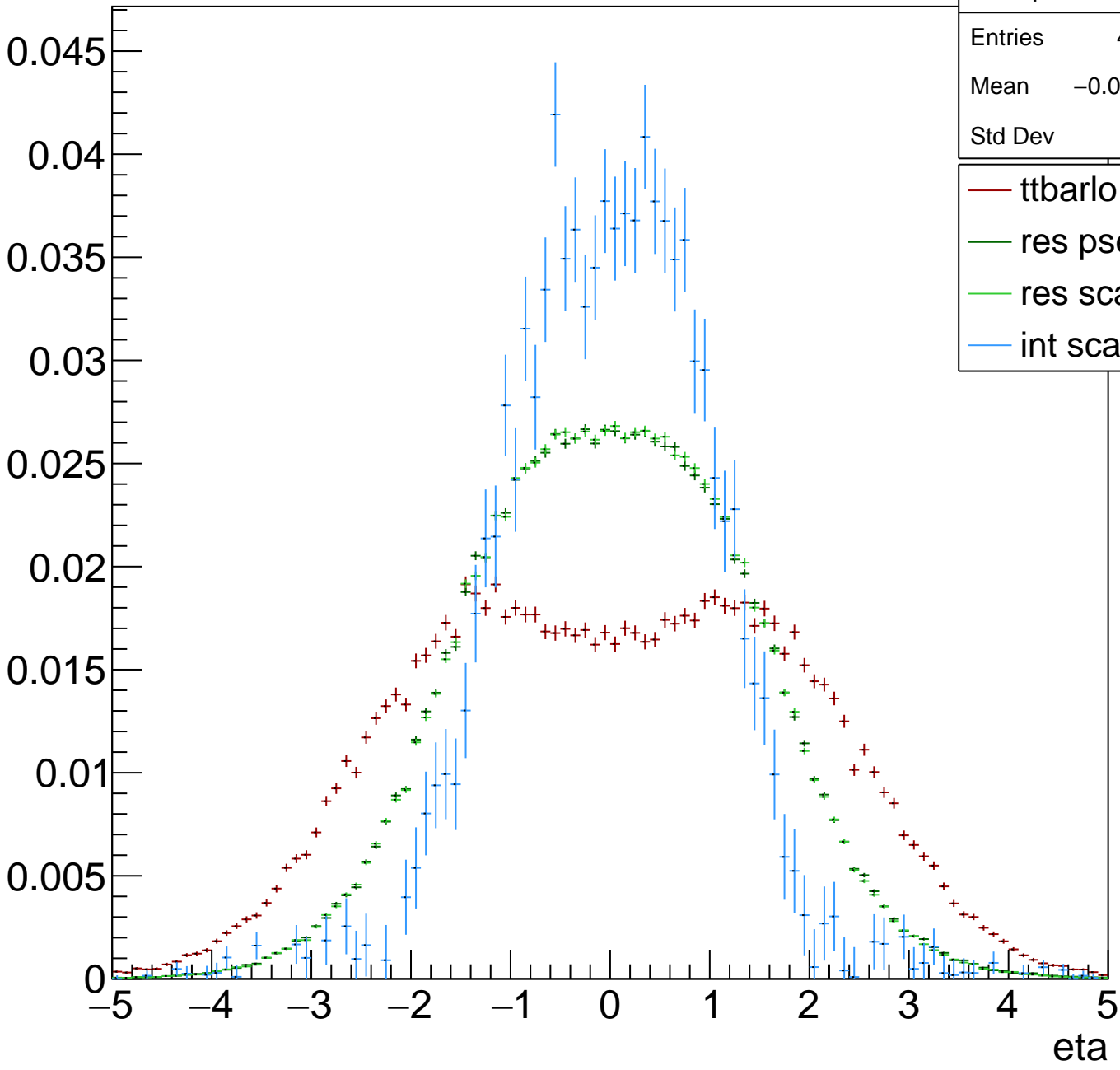




number of events



antitop_eta_no_cut	
Entries	444924
Mean	-0.0005411
Std Dev	1.844
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int scalar</div>	



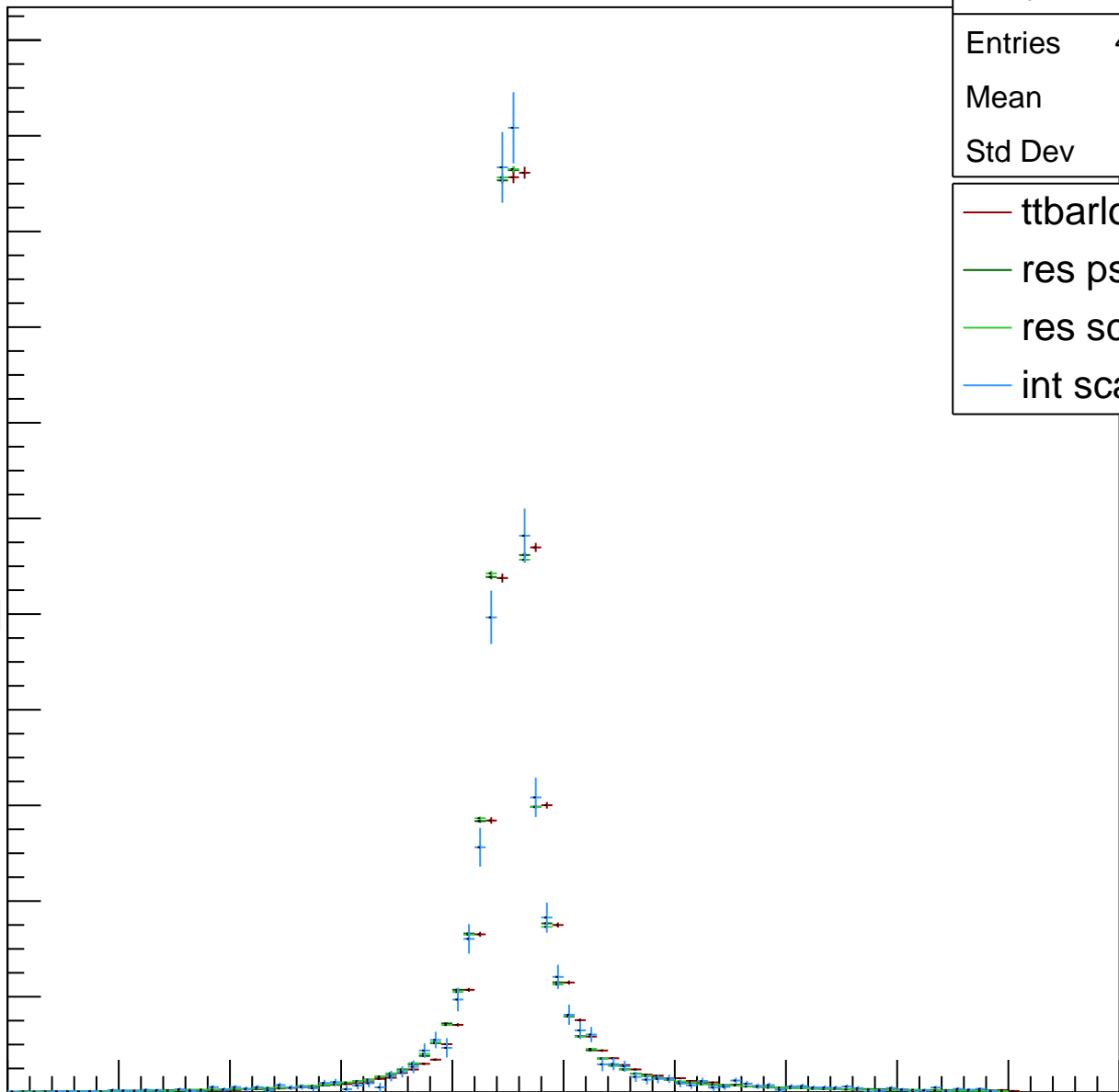
number of events

0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0

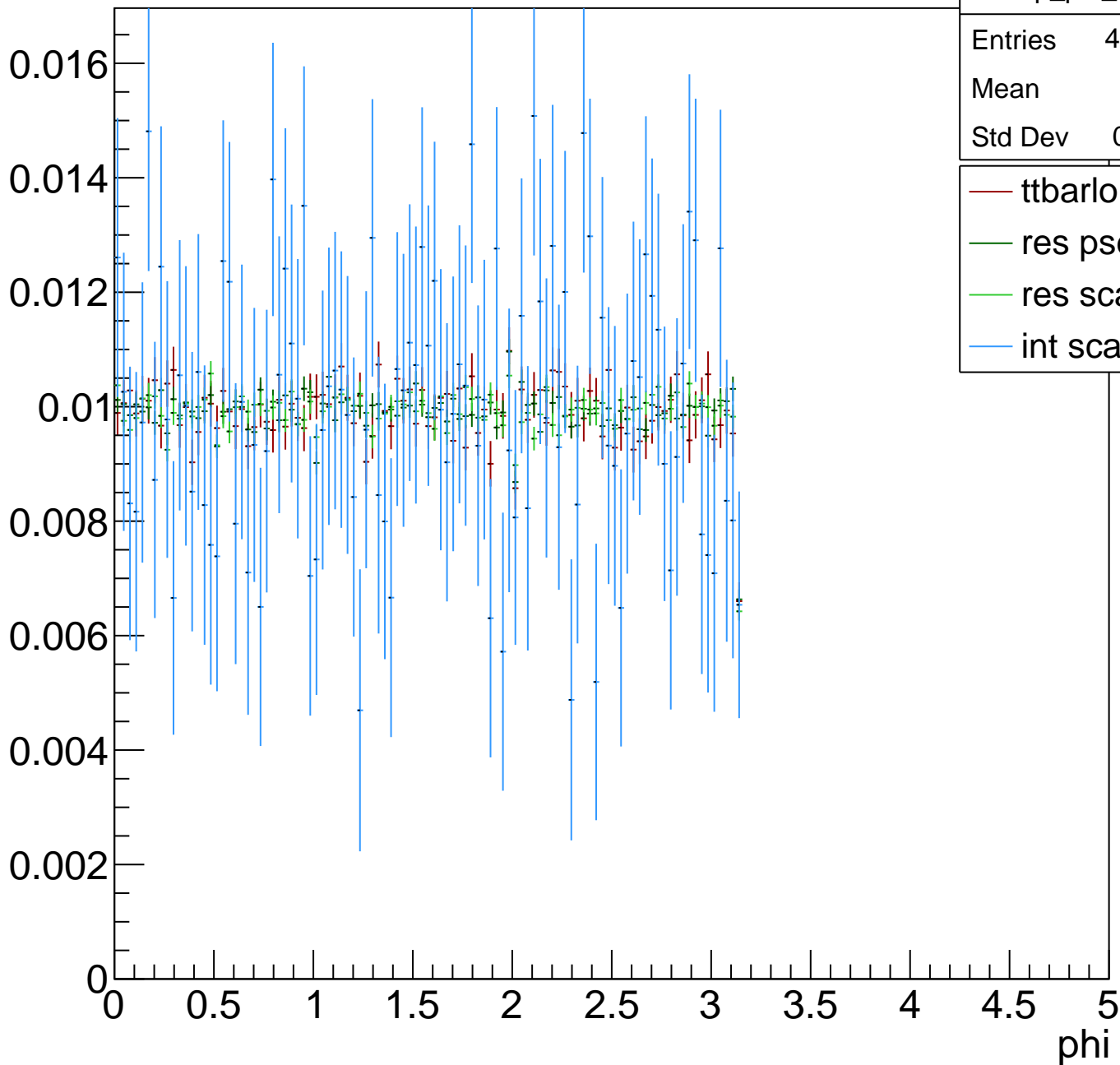
antitop_mass_no_cut	
Entries	444924
Mean	173.2
Std Dev	3.215

—	ttbarlo
—	res pseudo
—	res scalar
—	int scalar

150 155 160 165 170 175 180 185 190 195 200
mass in GeV



antitop_phi_no_cut	
Entries	444924
Mean	1.568
Std Dev	0.9063
<div><div></div>ttbarlo</div>	
<div><div></div>res pseudo</div>	
<div><div></div>res scalar</div>	
<div><div></div>int scalar</div>	



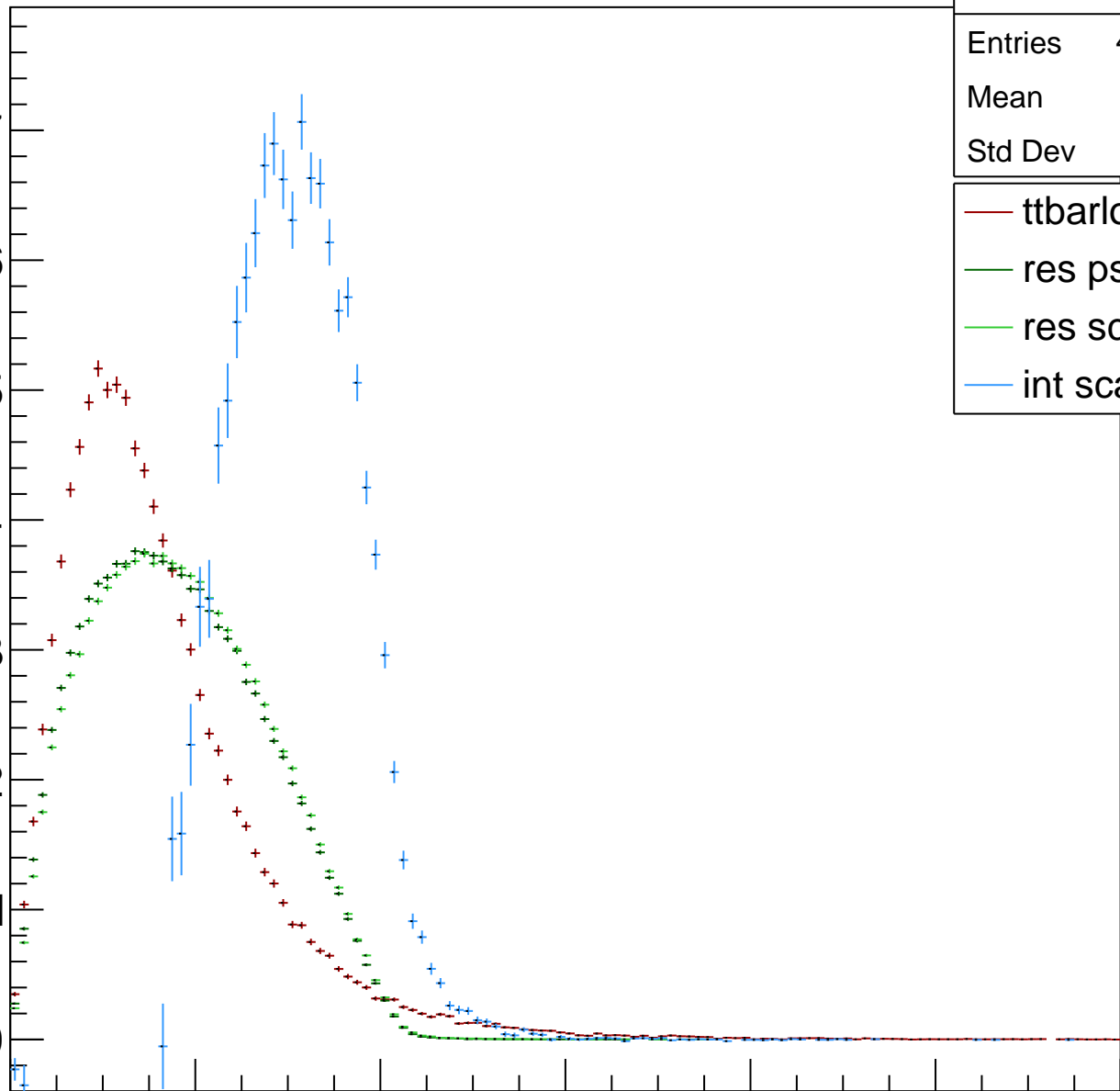
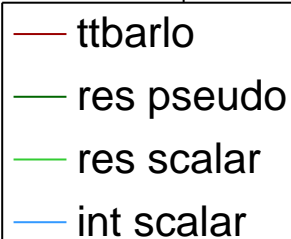
number of events

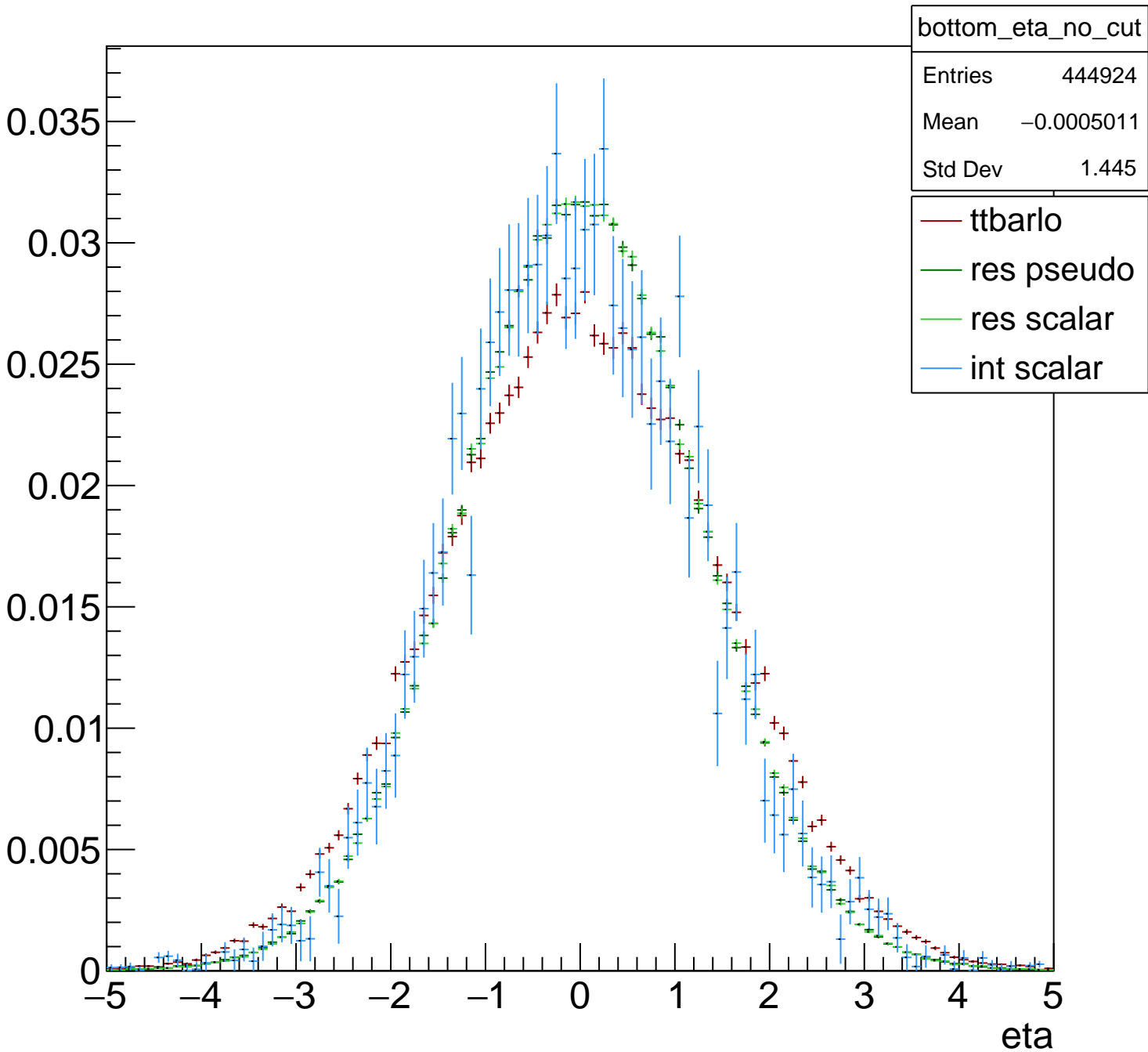
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

0 200 400 600 800 1000 1200

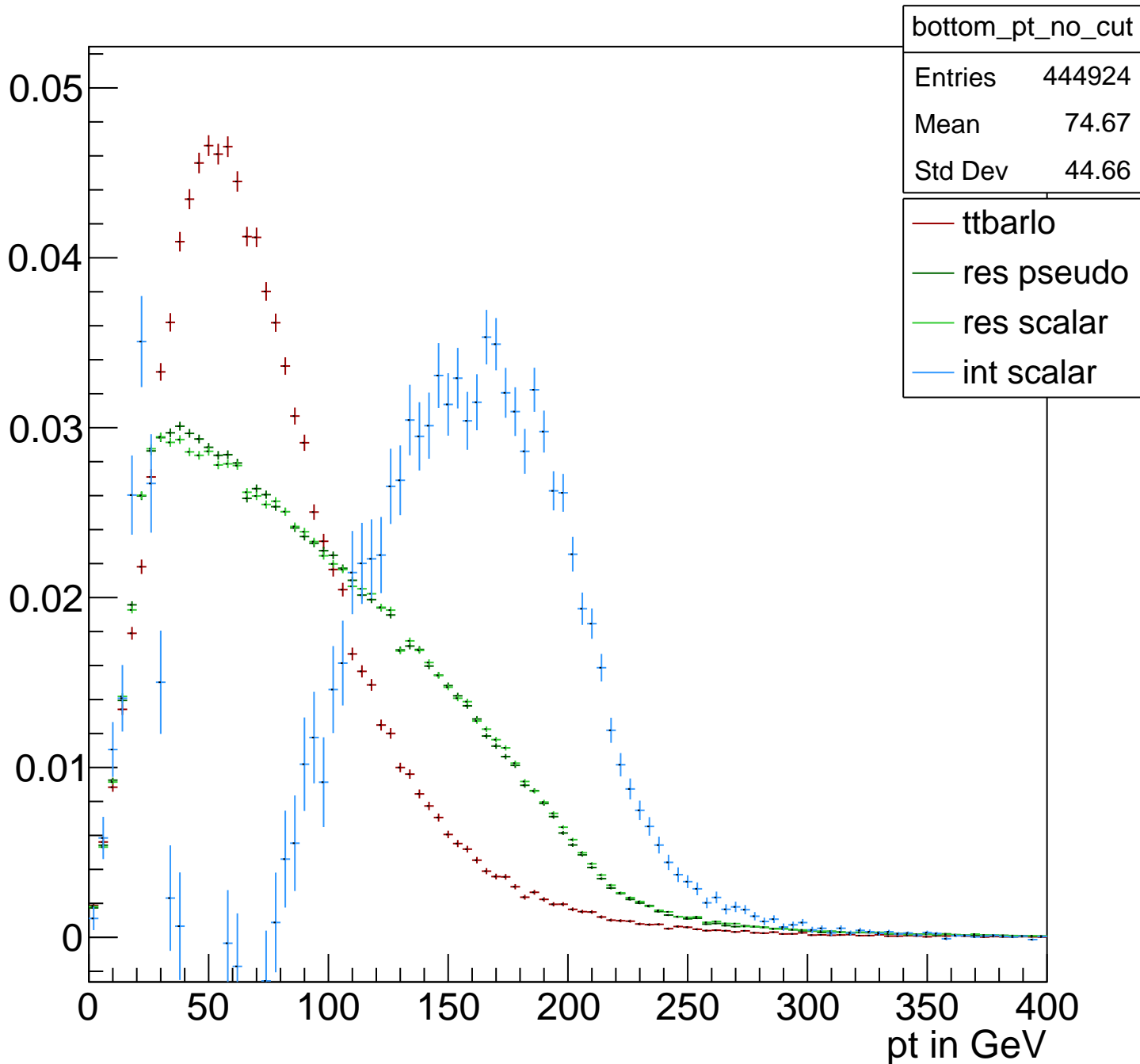
mass in GeV

bbbar_mass_no_cut	
Entries	444924
Mean	162.4
Std Dev	109



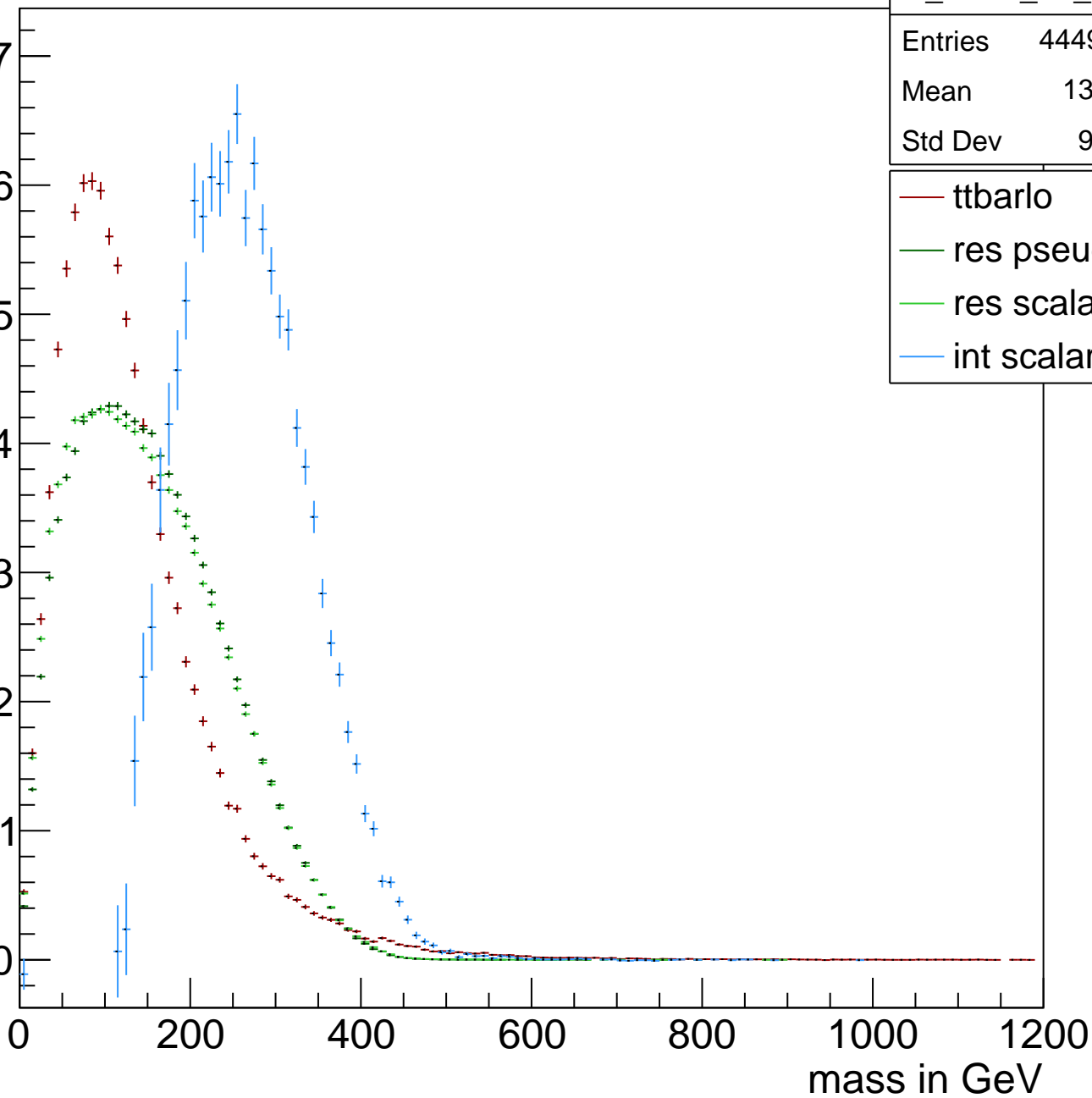


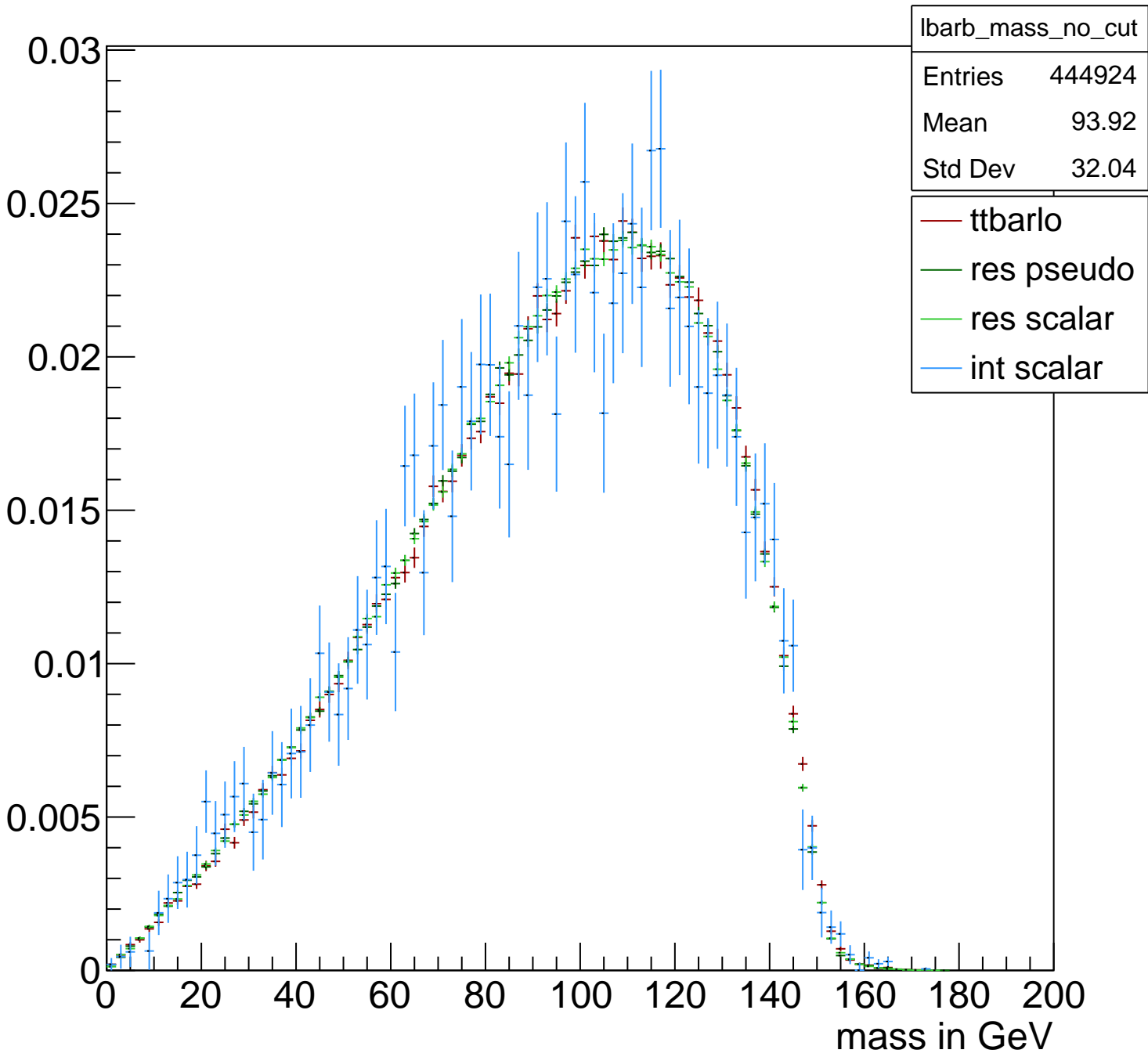
number of events



number of events

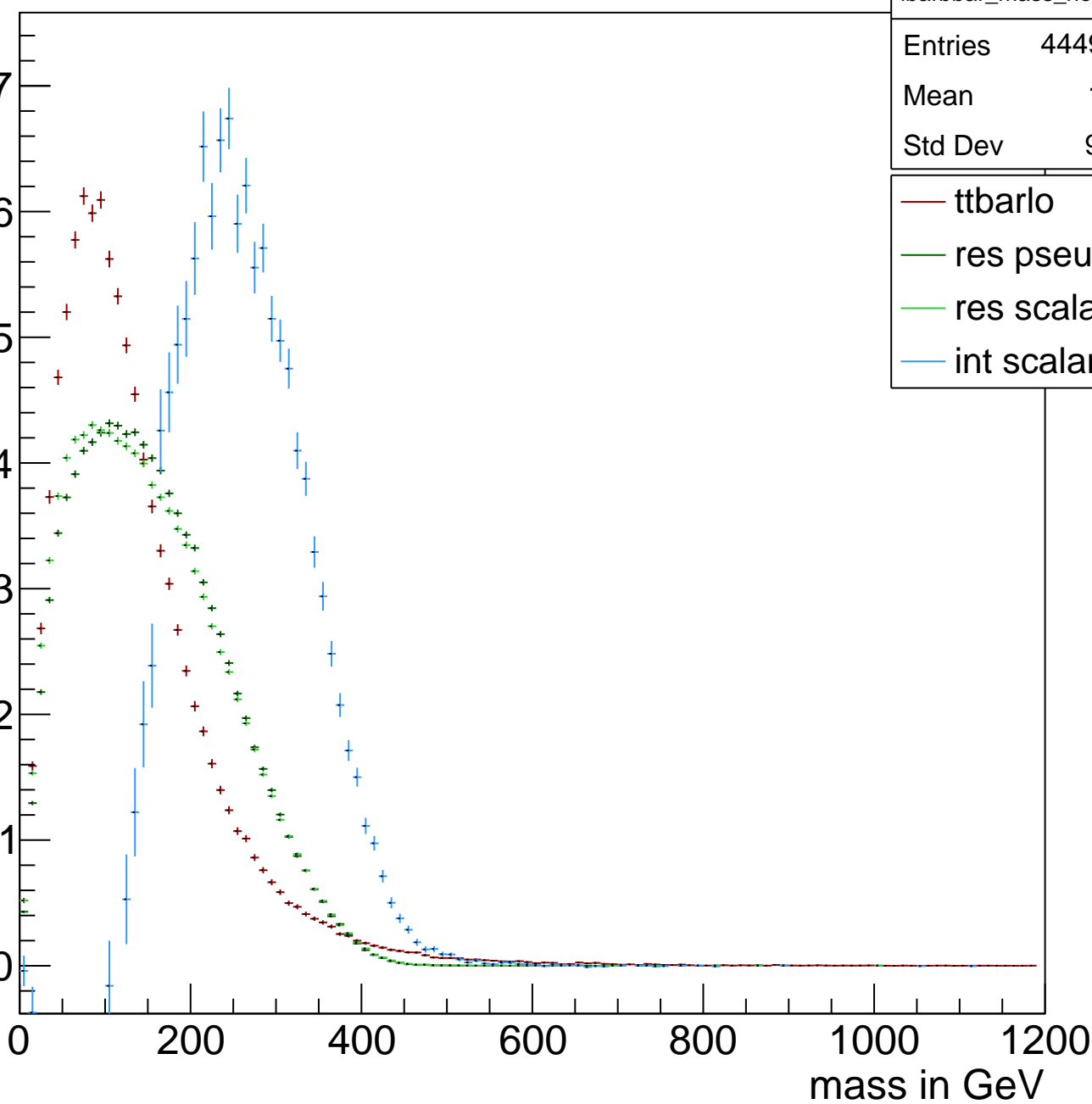
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0



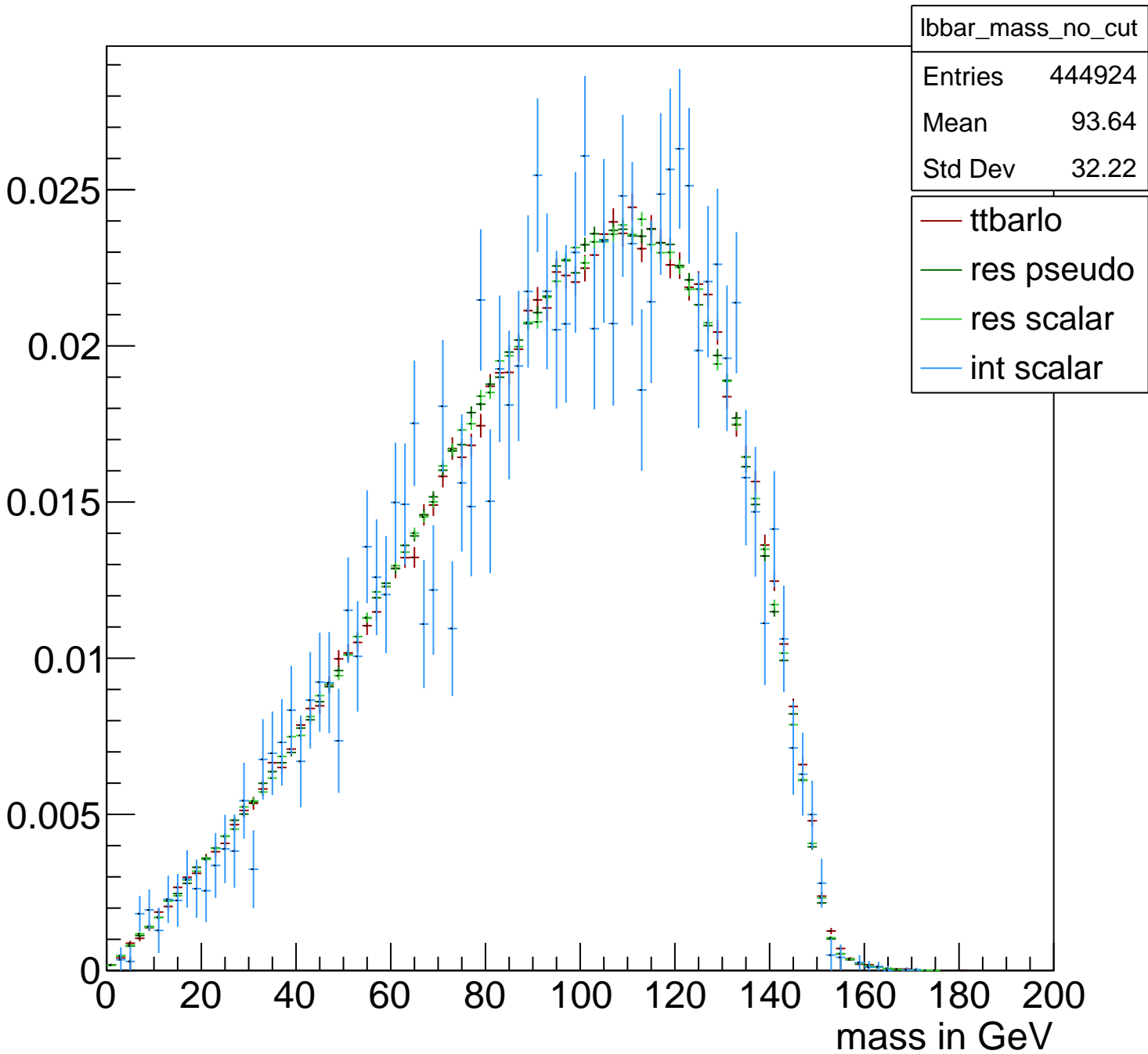


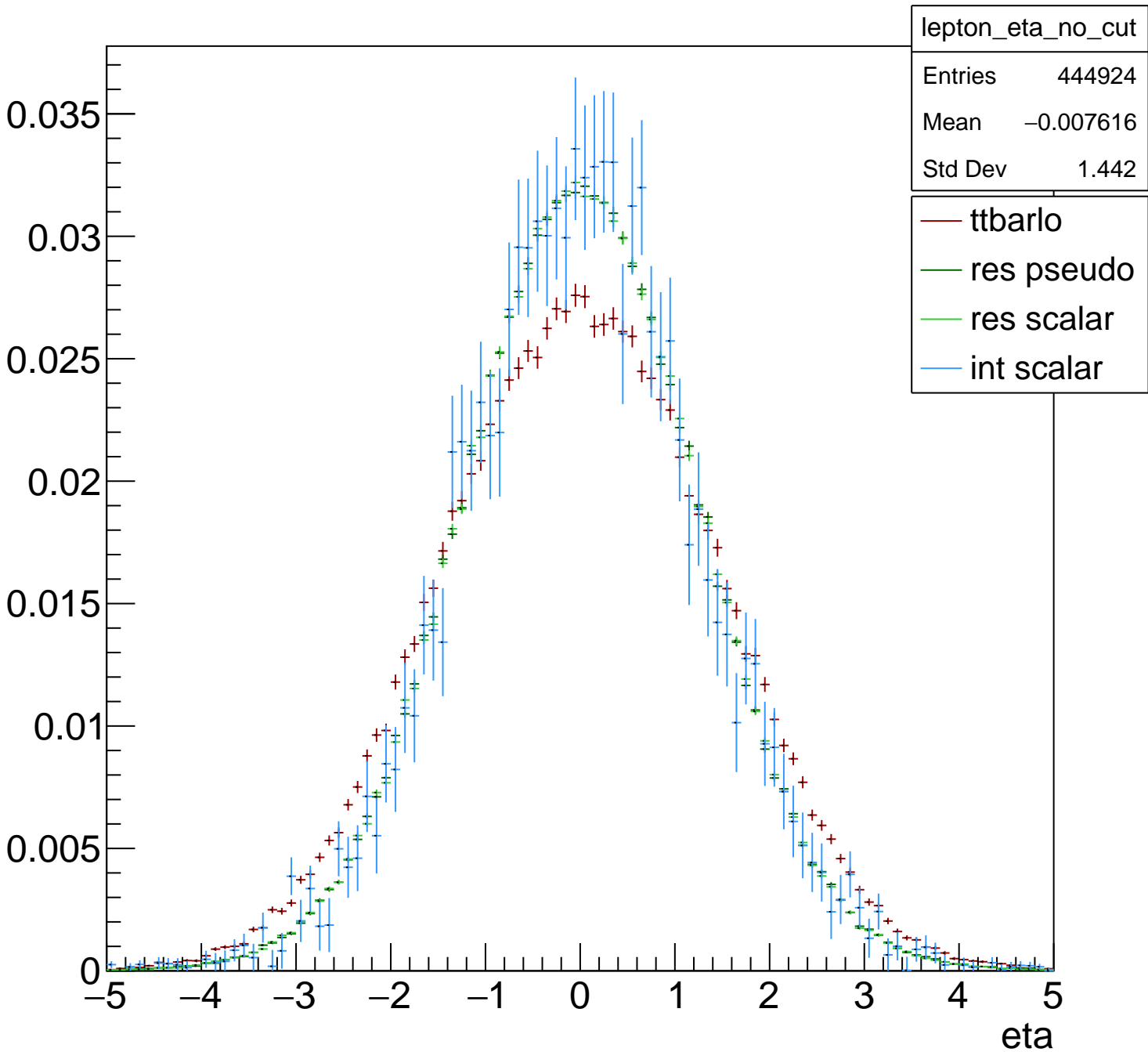
number of events

0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

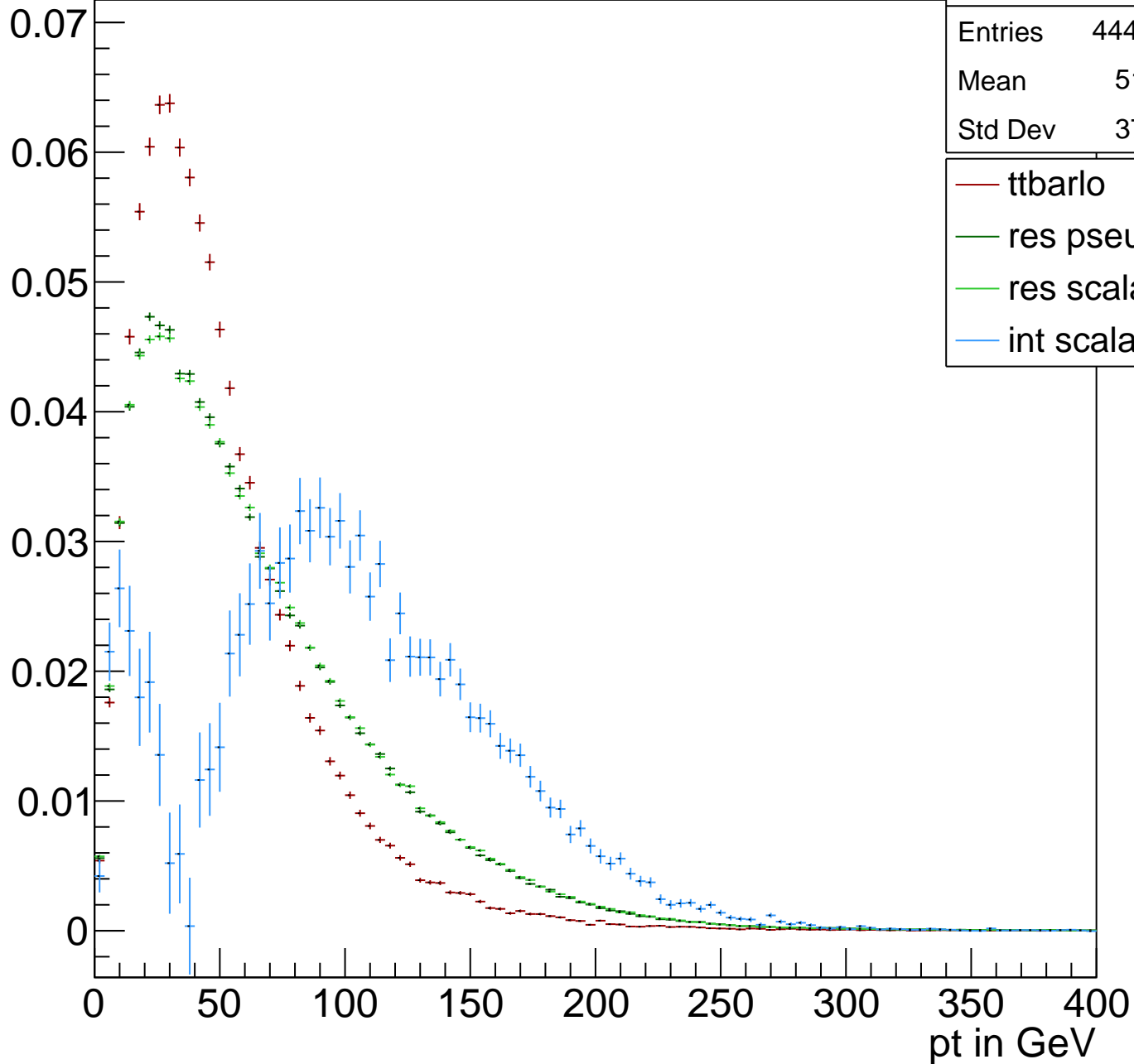


lbarbbar_mass_no_cut	
Entries	444924
Mean	135
Std Dev	94.1

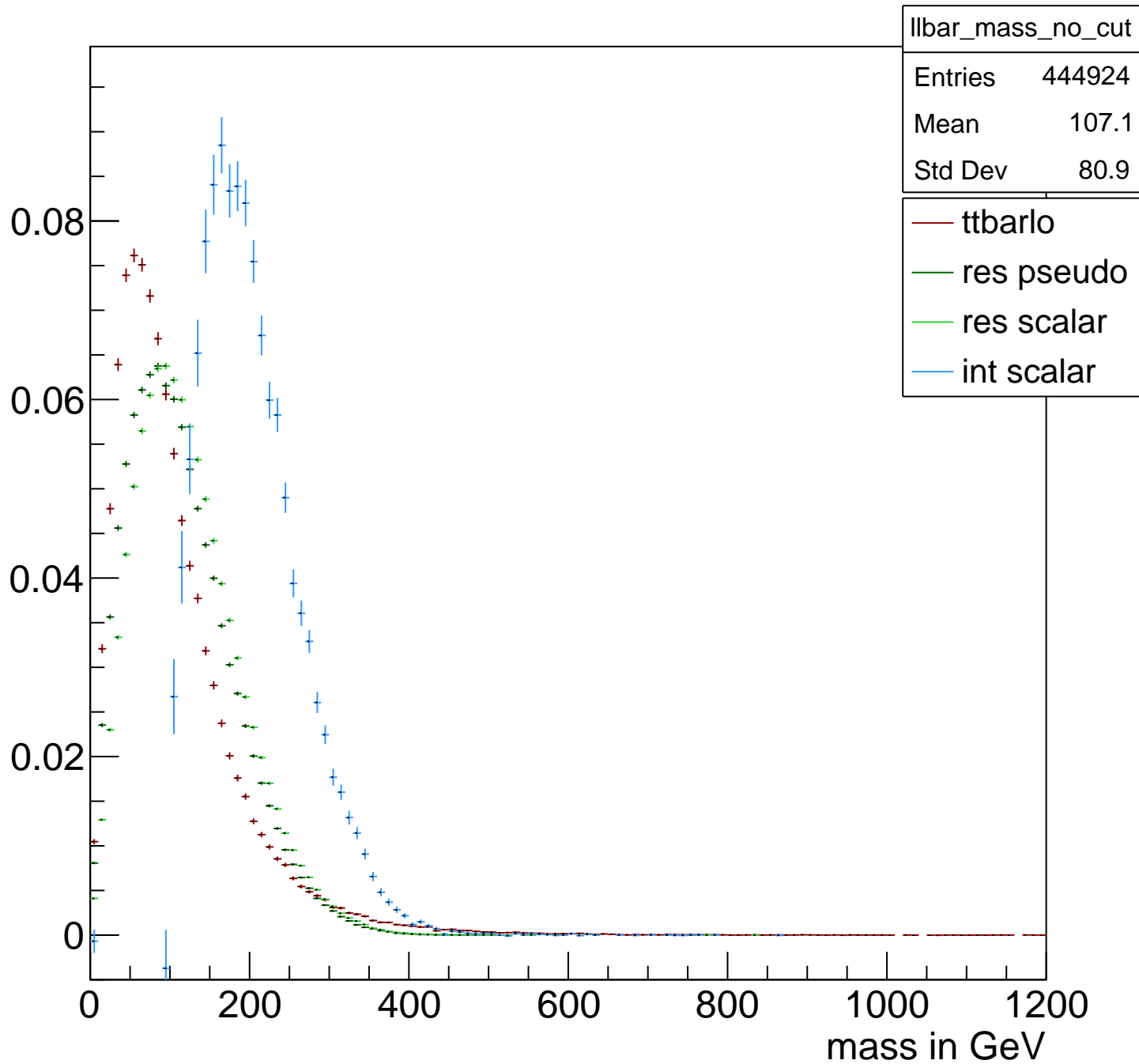


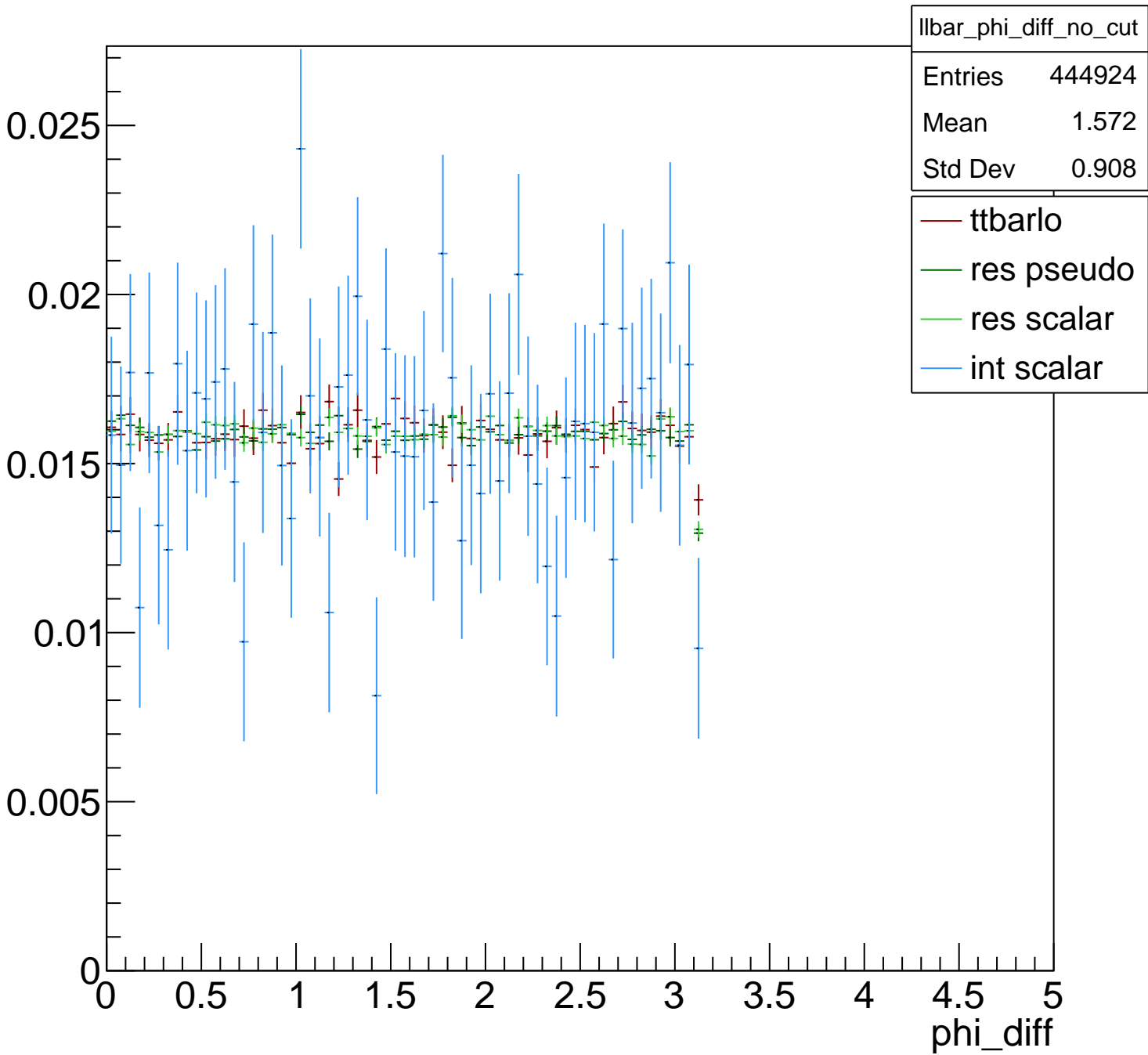


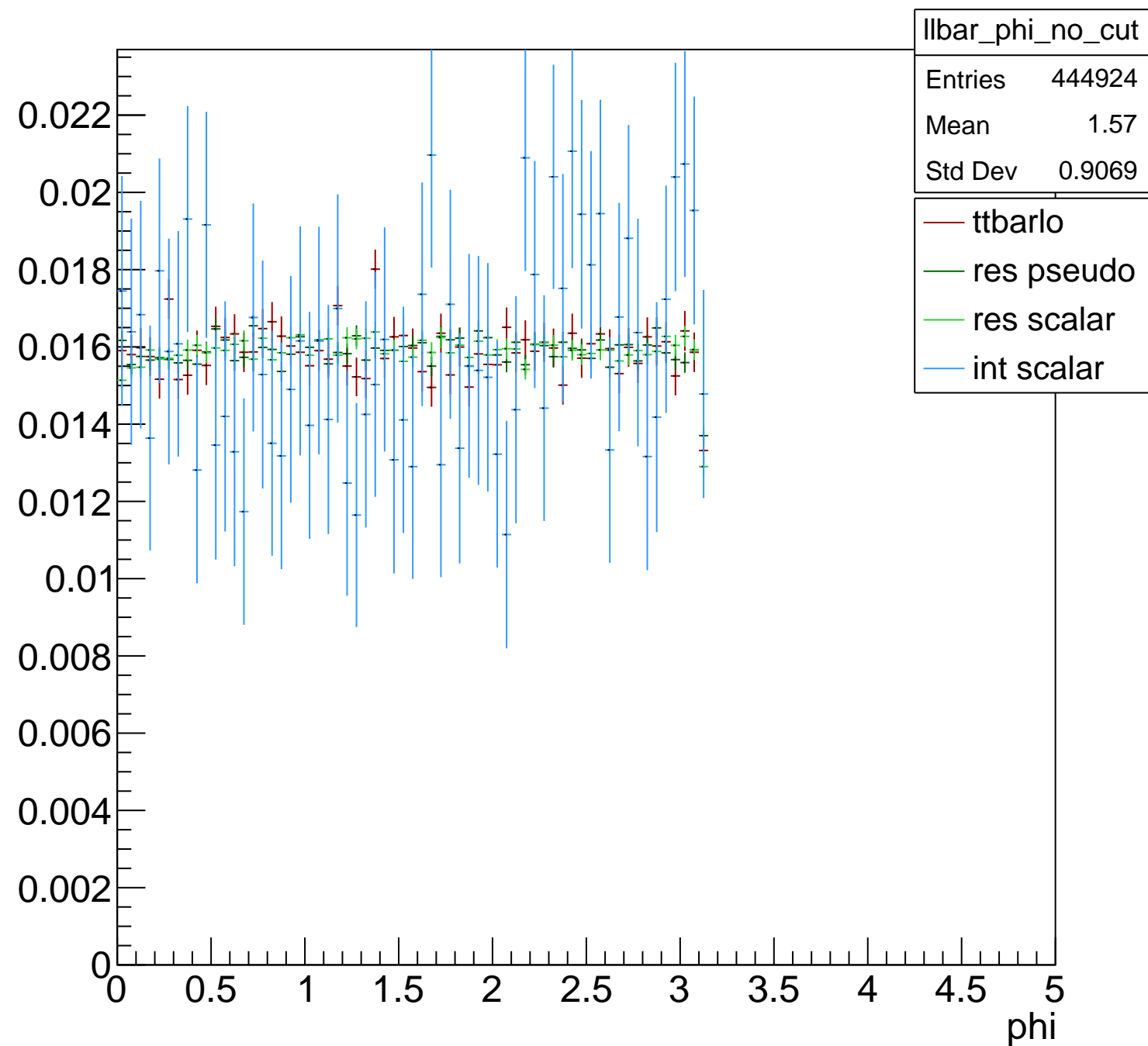
number of events



number of events







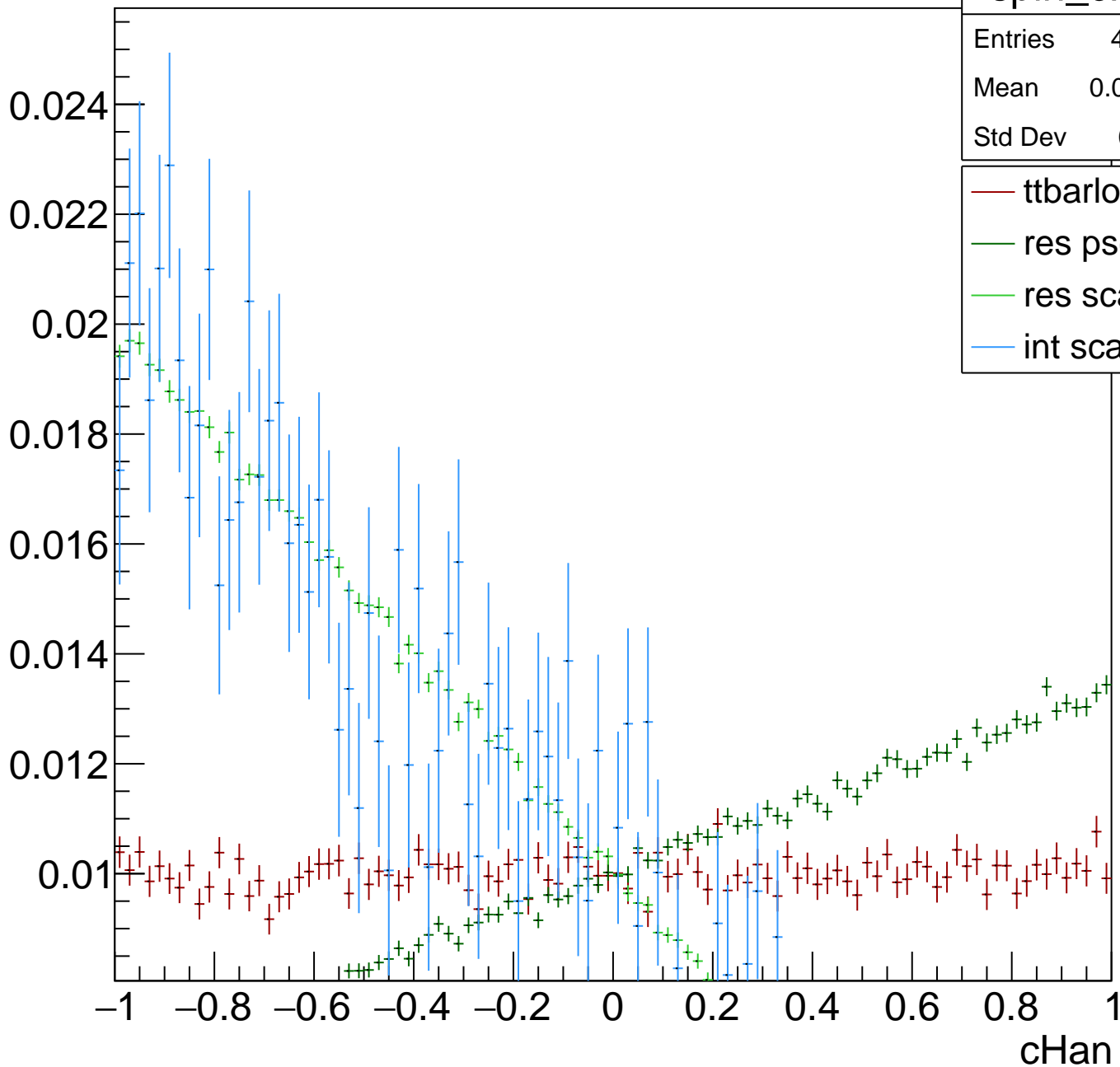
spin_cHan

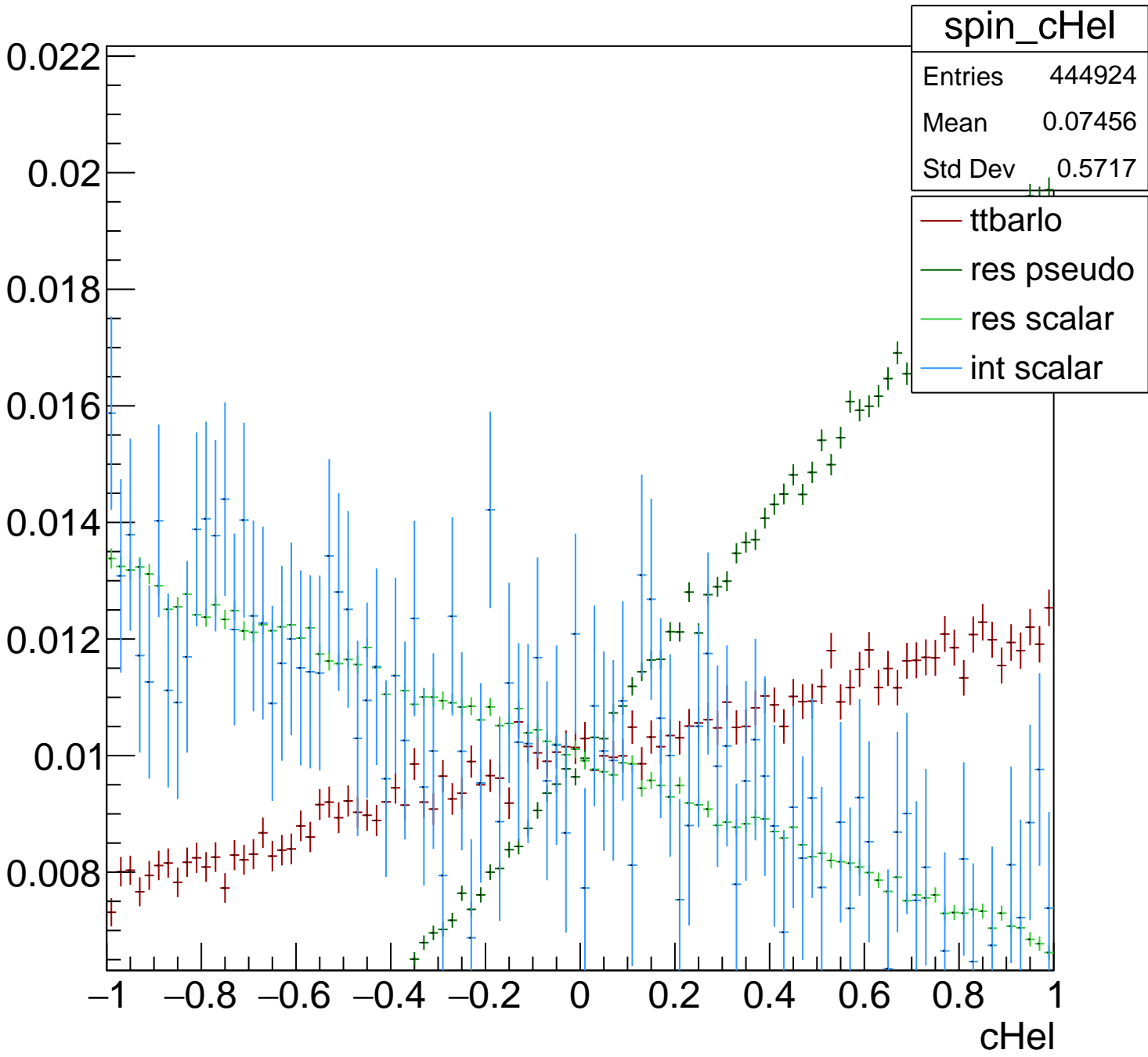
Entries 444924

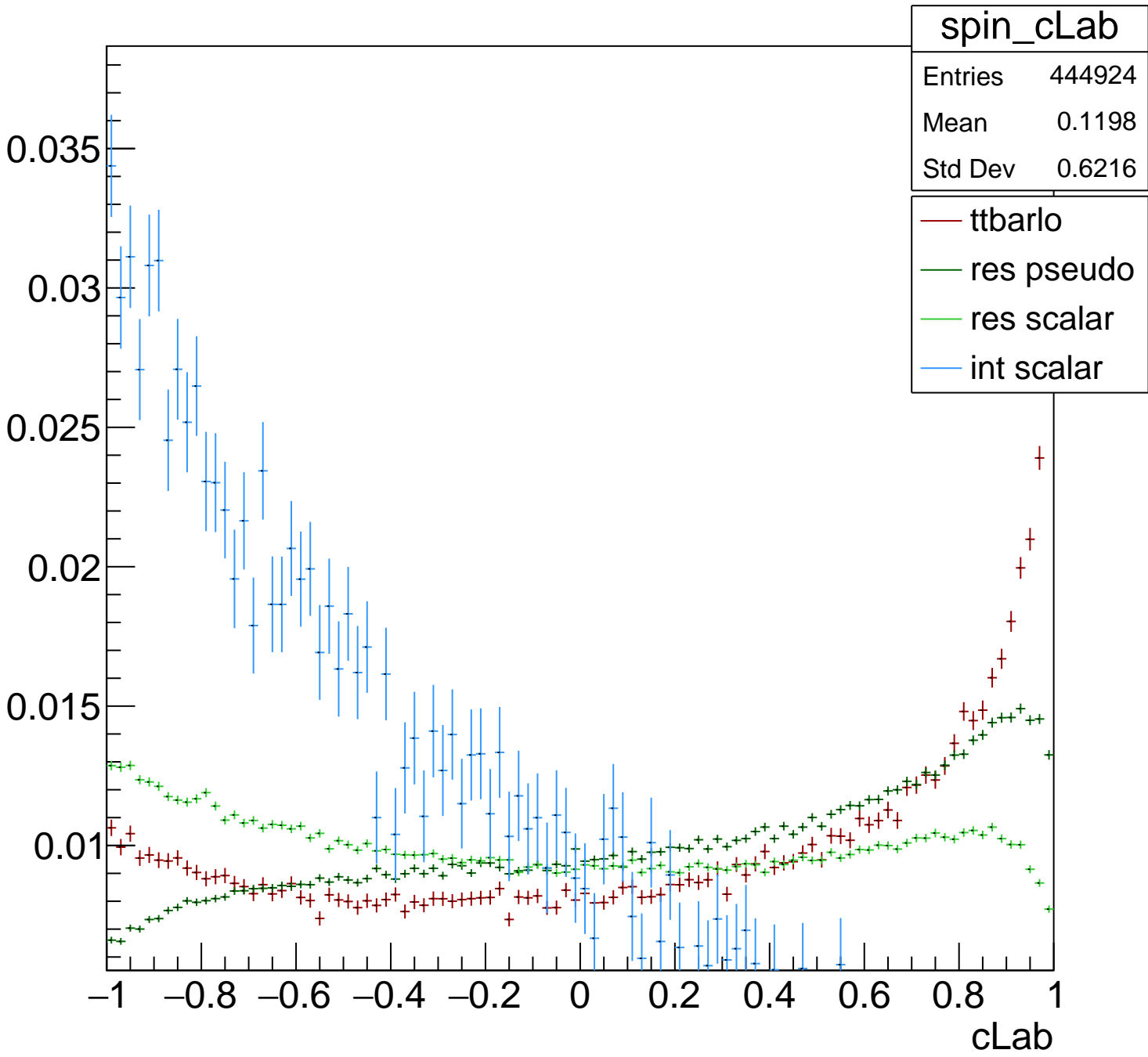
Mean 0.002259

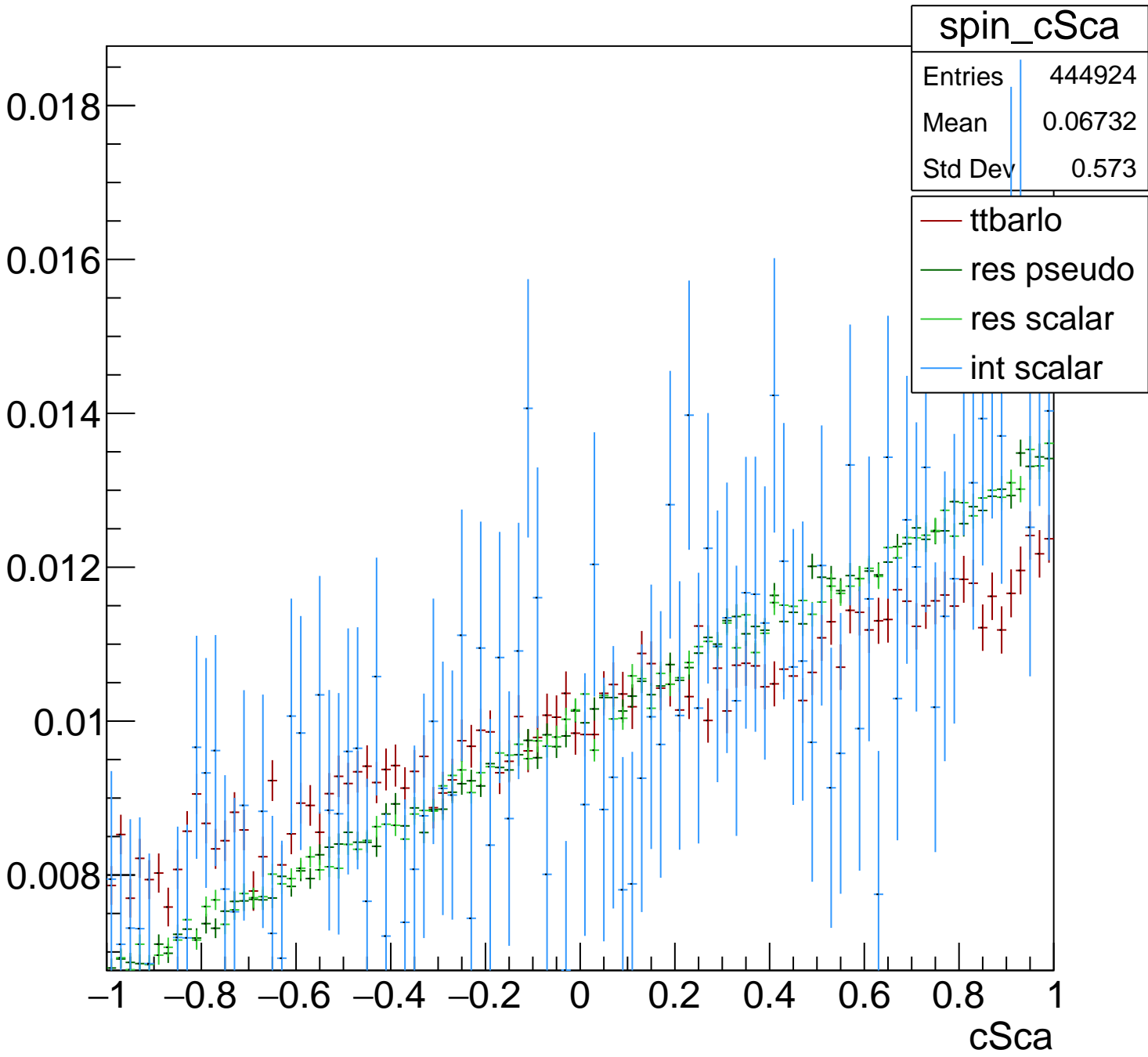
Std Dev 0.5777

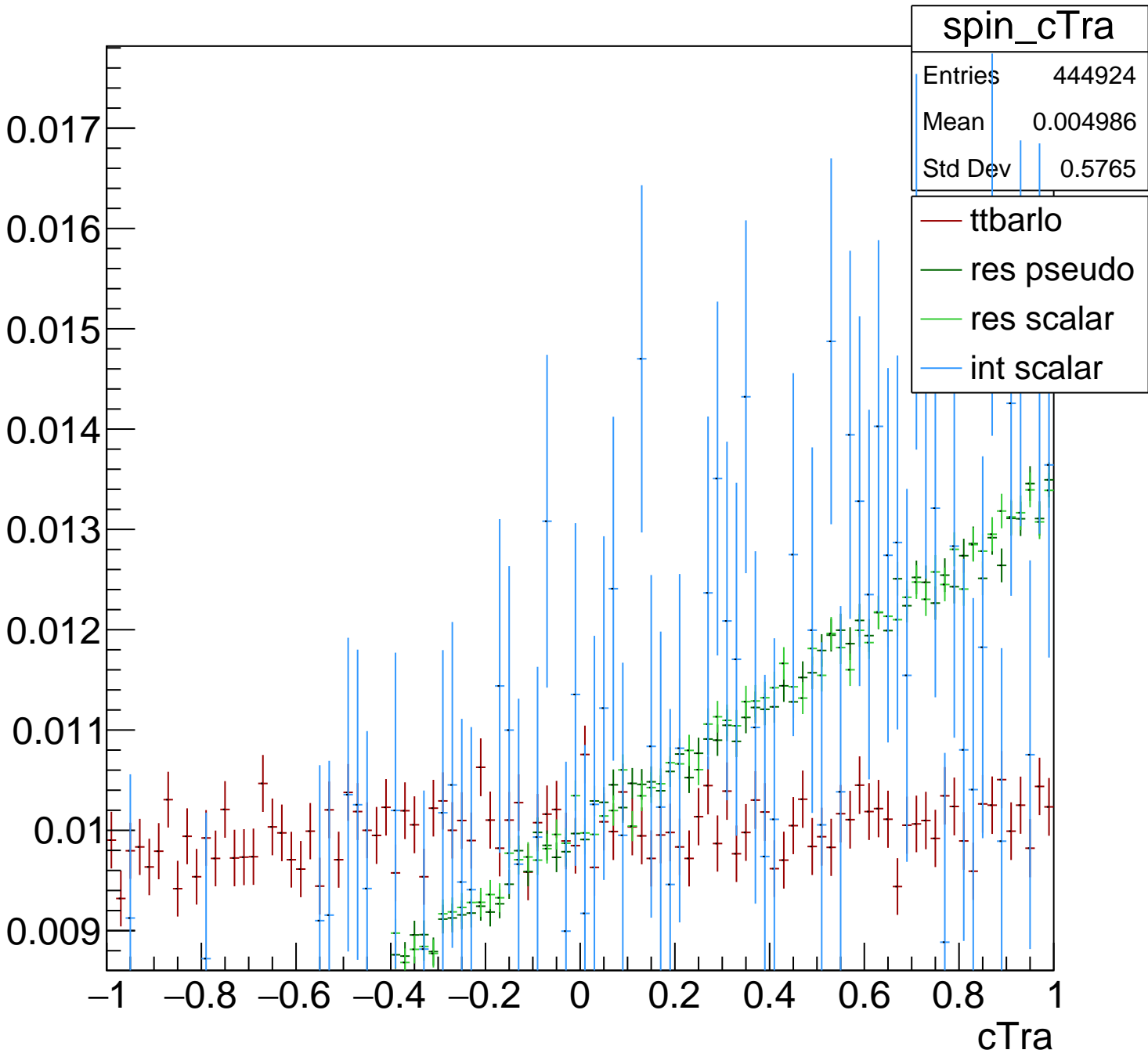
— ttbarlo
— res pseudo
— res scalar
— int scalar











number of events

0.05

0.04

0.03

0.02

0.01

0

-1

-0.8

-0.6

-0.4

-0.2

0

0.2

0.4

0.6

0.8

1

cck

spin_cck

Entries 444924

Mean -0.03615

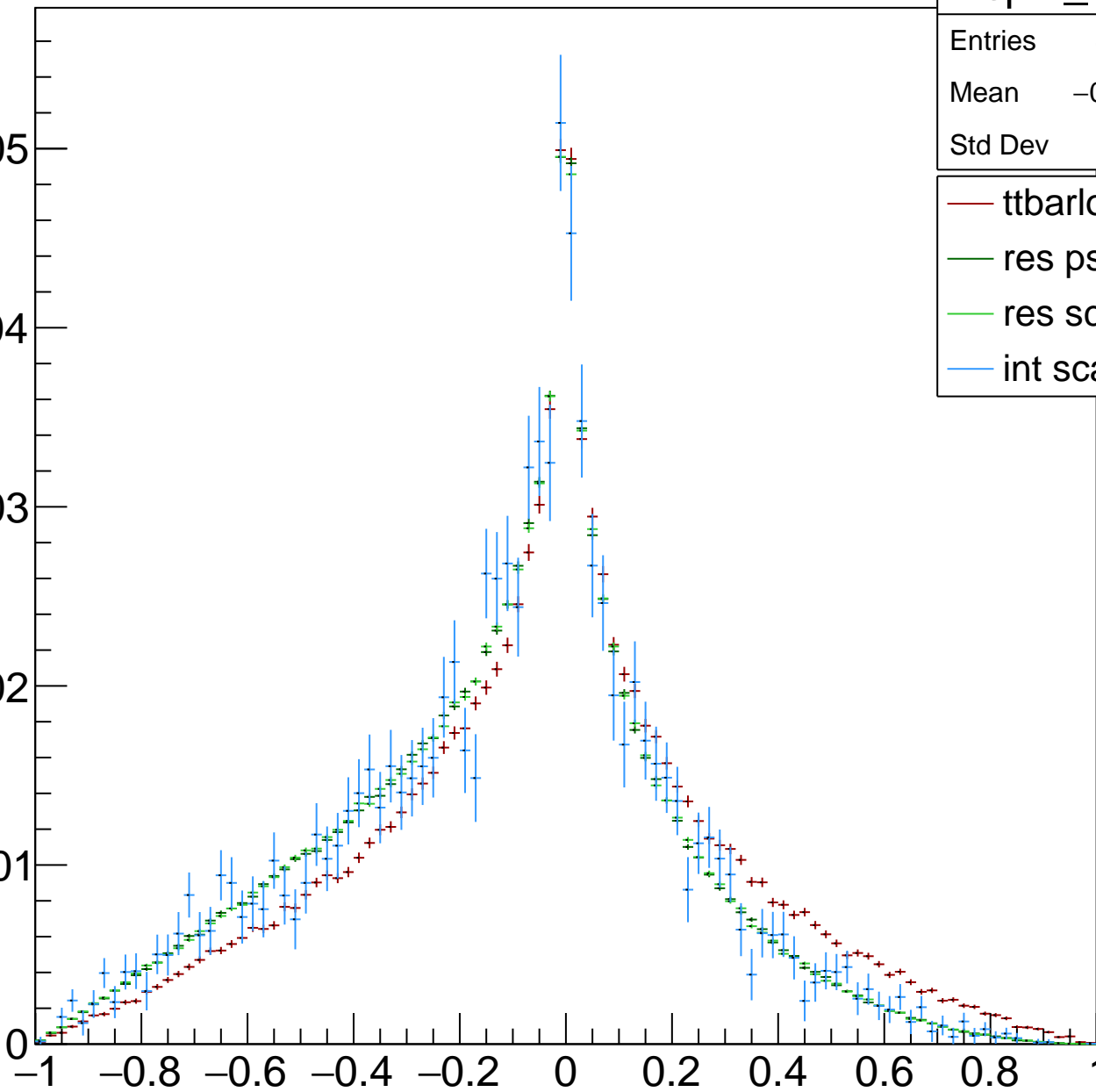
Std Dev 0.3316

— ttbarlo

— res pseudo

— res scalar

— int scalar



number of events

0.05
0.04
0.03
0.02
0.01
0

-1 -0.8 -0.6 -0.4 -0.2 0 0.2 0.4 0.6 0.8 1
cnn

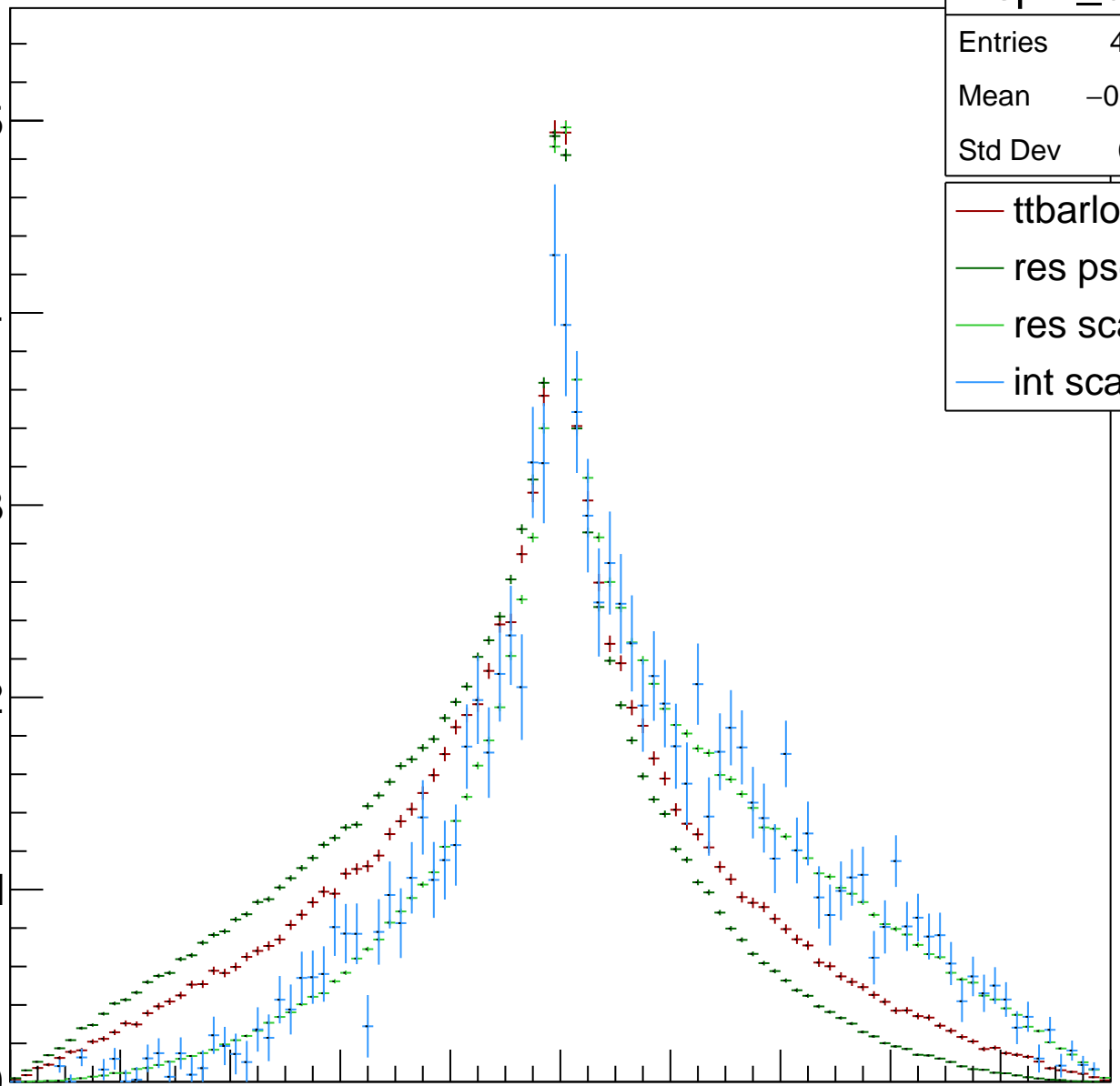
spin_cnn

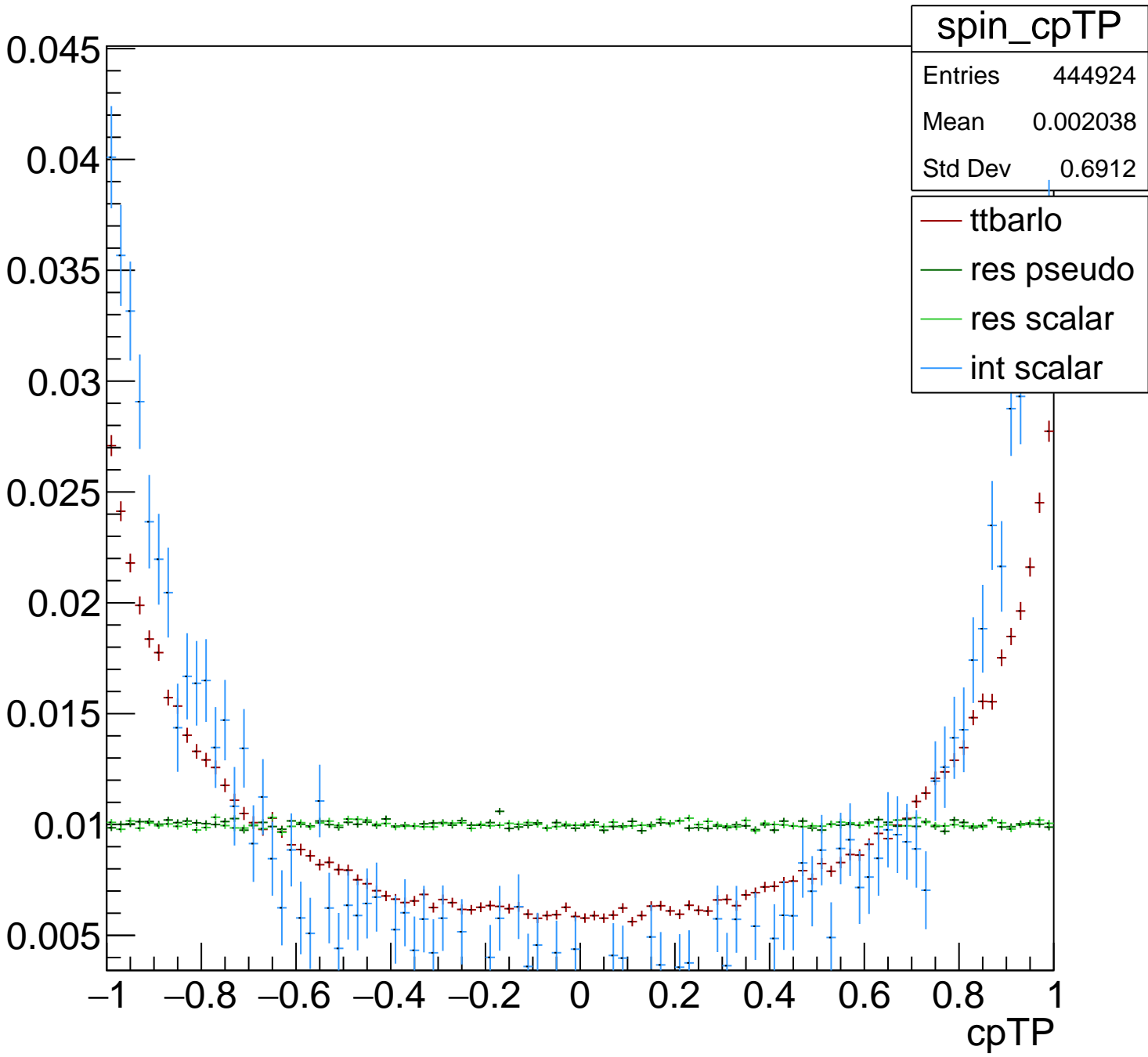
Entries 444924

Mean -0.03479

Std Dev 0.3302

— ttbarlo
— res pseudo
— res scalar
— int scalar





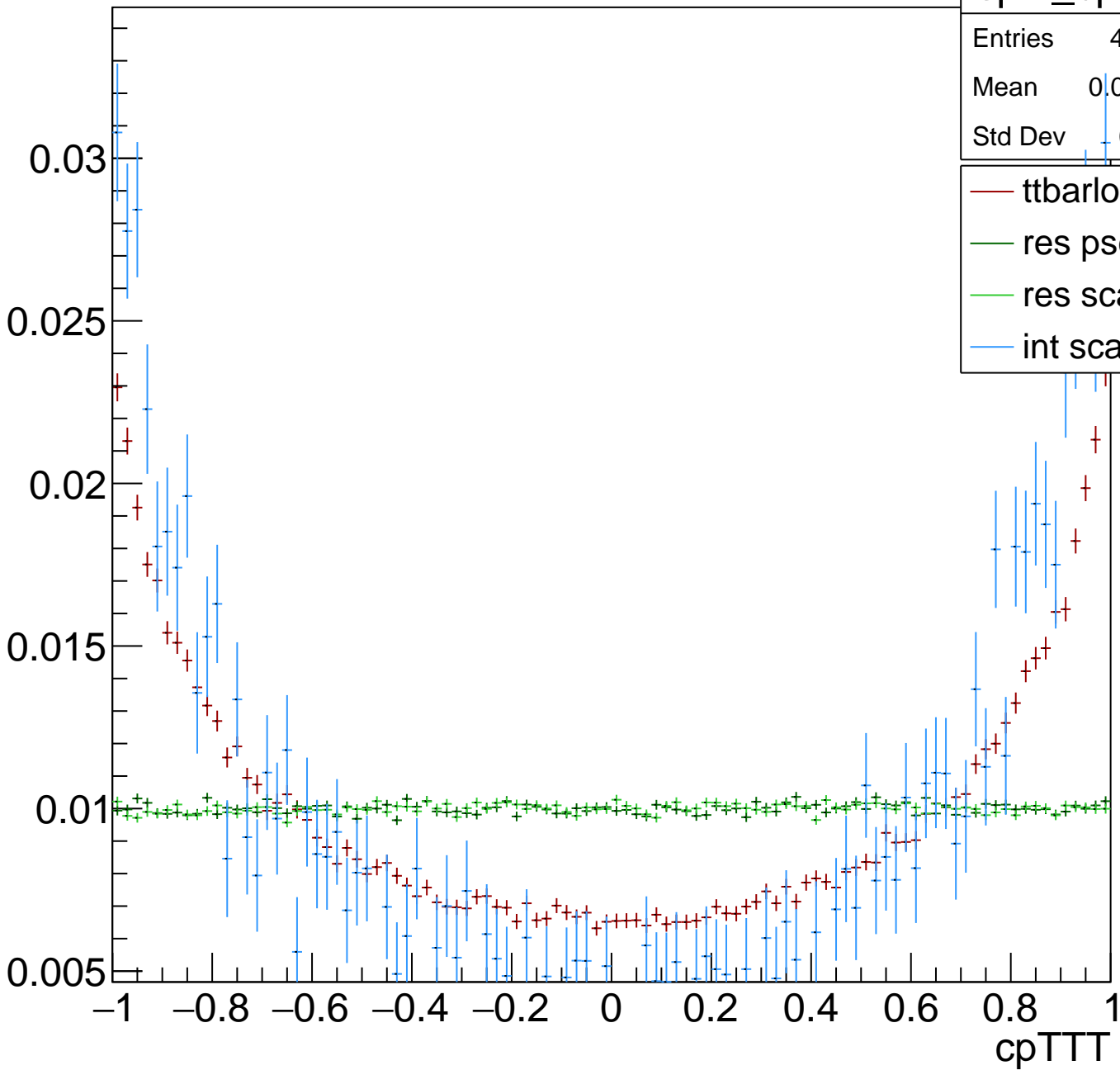
spin_cpTTT

Entries 444924

Mean 0.001696

Std Dev 0.6713

— ttbarlo
— res pseudo
— res scalar
— int scalar



number of events

0.05

0.04

0.03

0.02

0.01

0

-1

-0.8

-0.6

-0.4

-0.2

0

0.2

0.4

0.6

0.8

1

crr

spin_crr

Entries 444924

Mean -0.003622

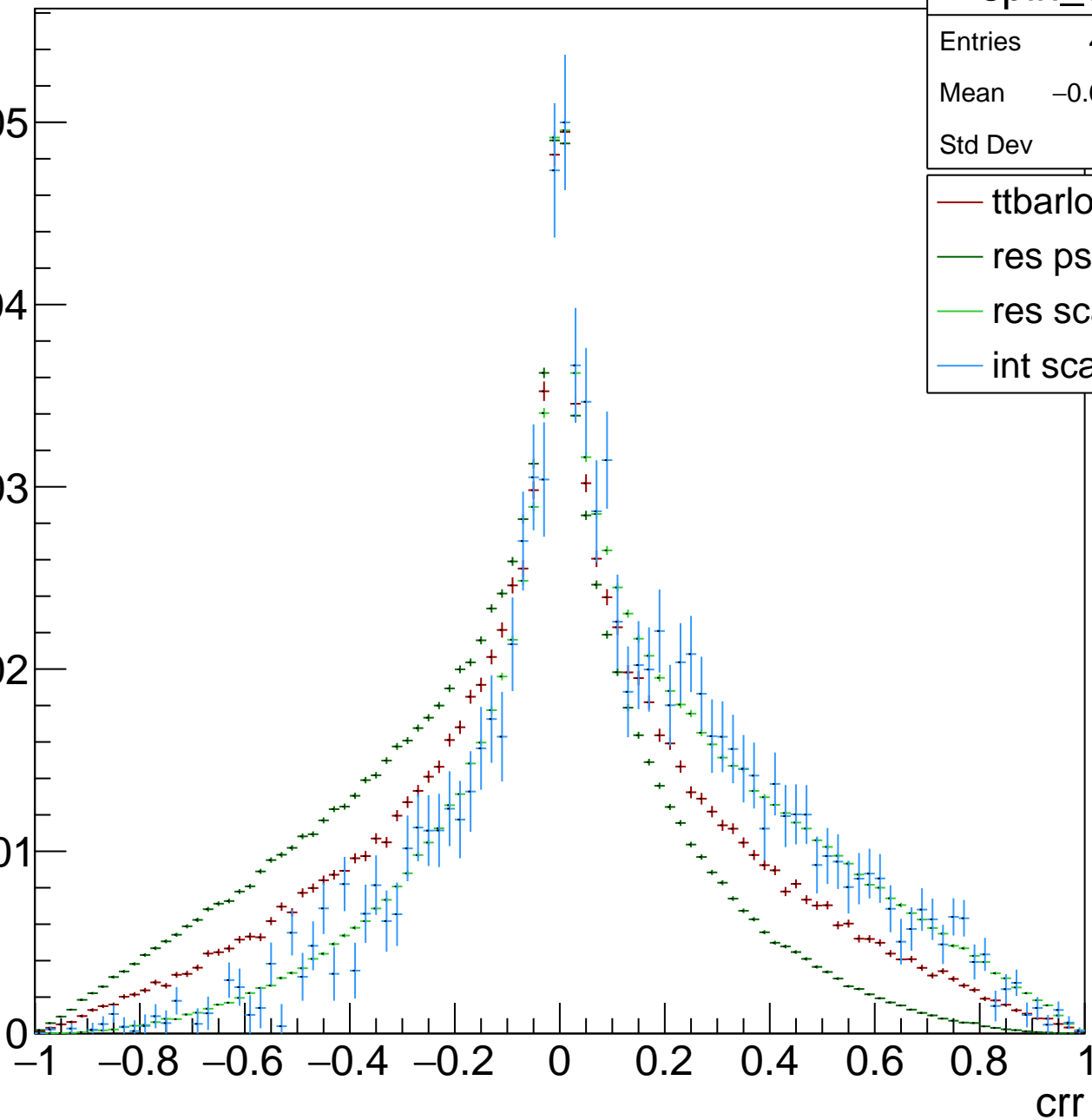
Std Dev 0.3337

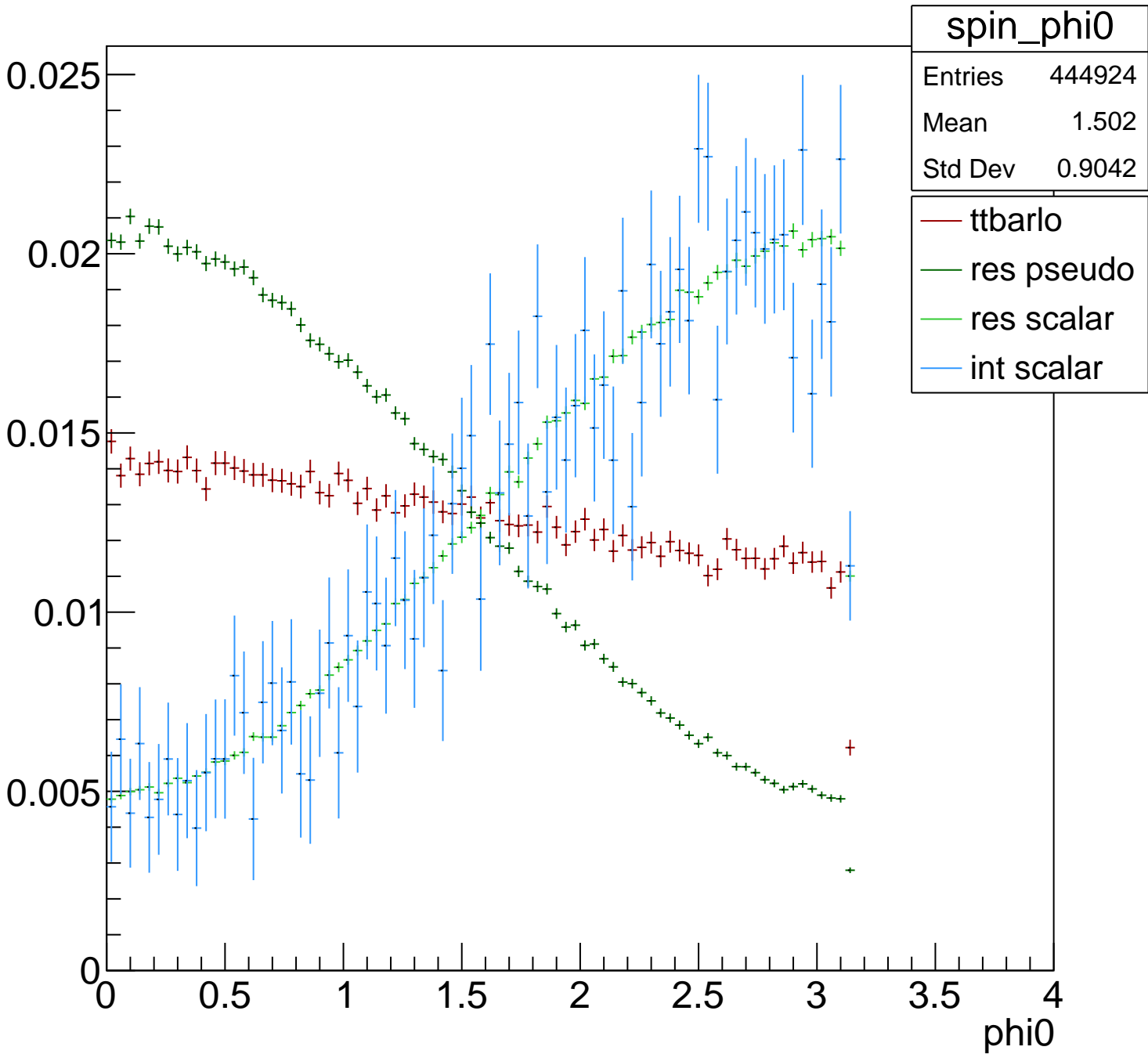
— ttbarlo

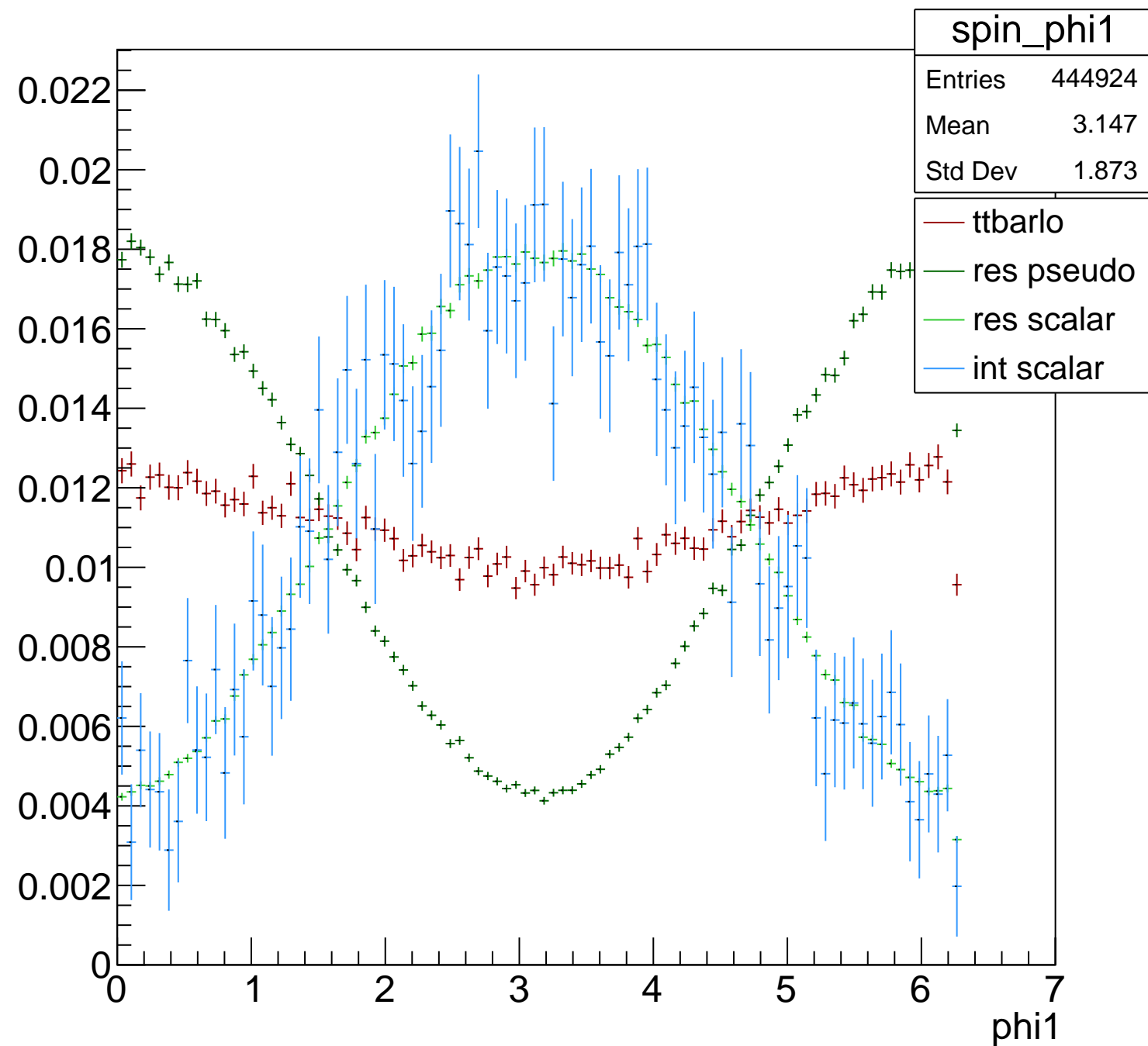
— res pseudo

— res scalar

— int scalar







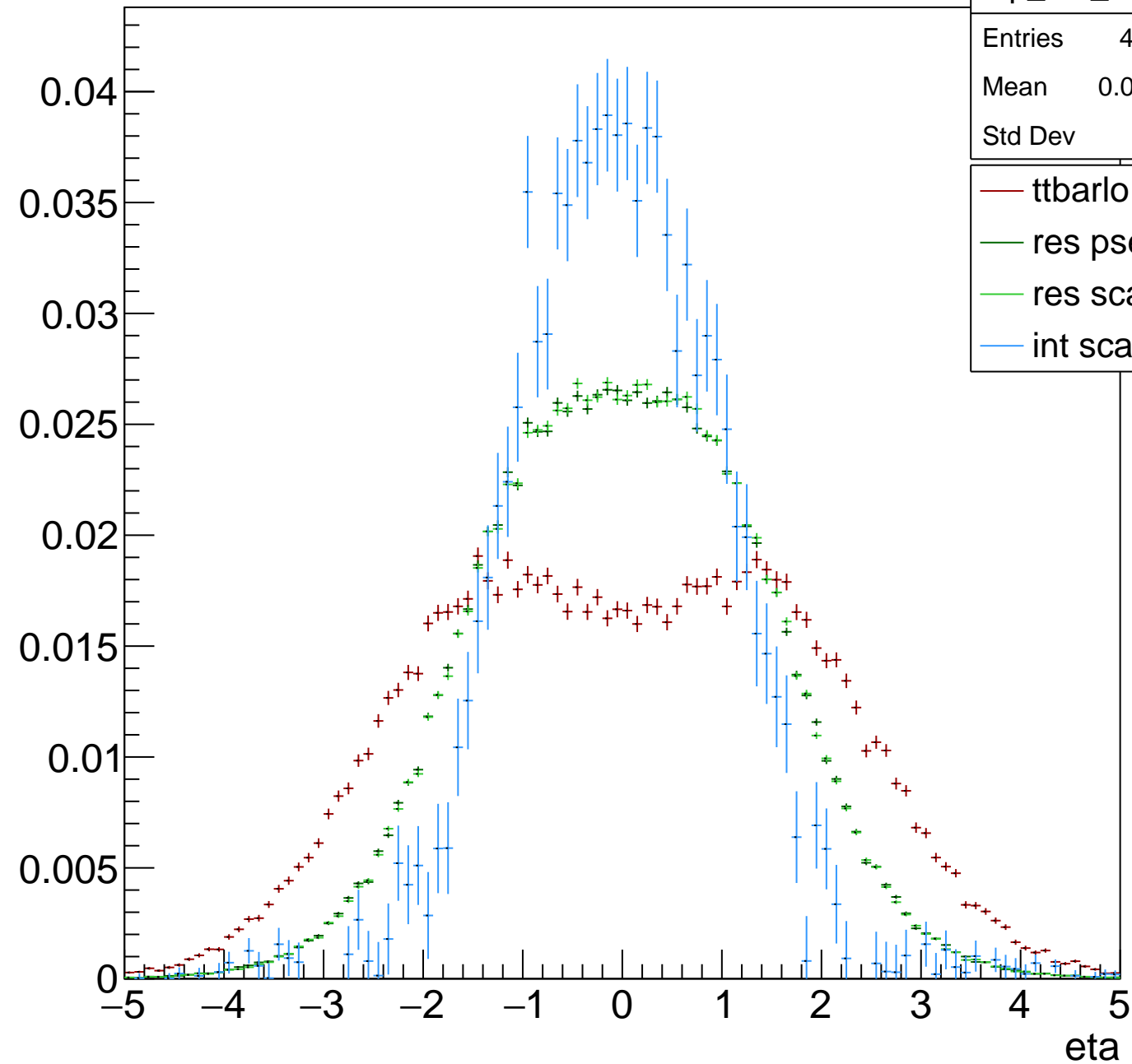
top_eta_no_cut

Entries 444924

Mean 0.001954

Std Dev 1.843

— ttbarlo
— res pseudo
— res scalar
— int scalar

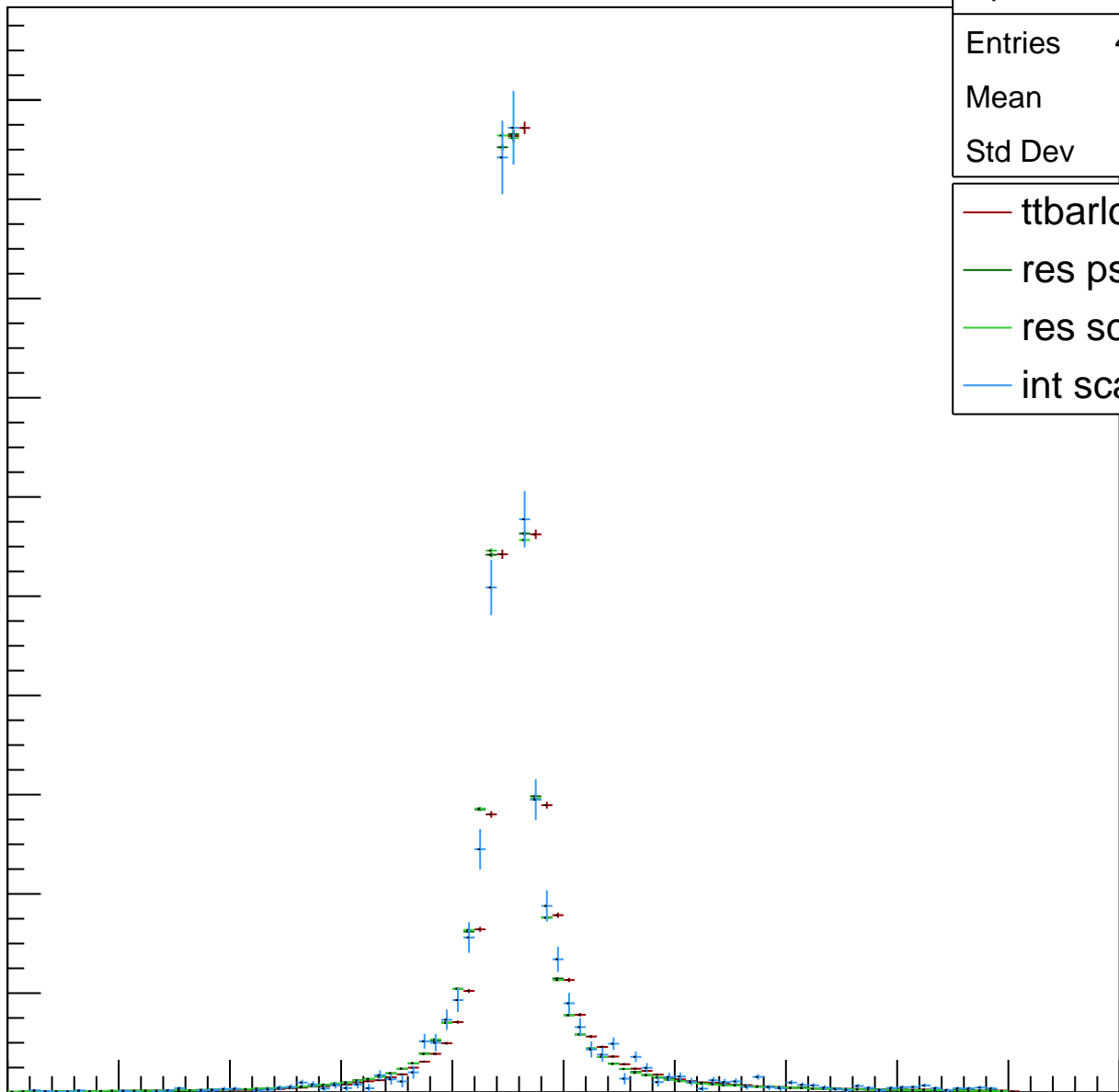


number of events

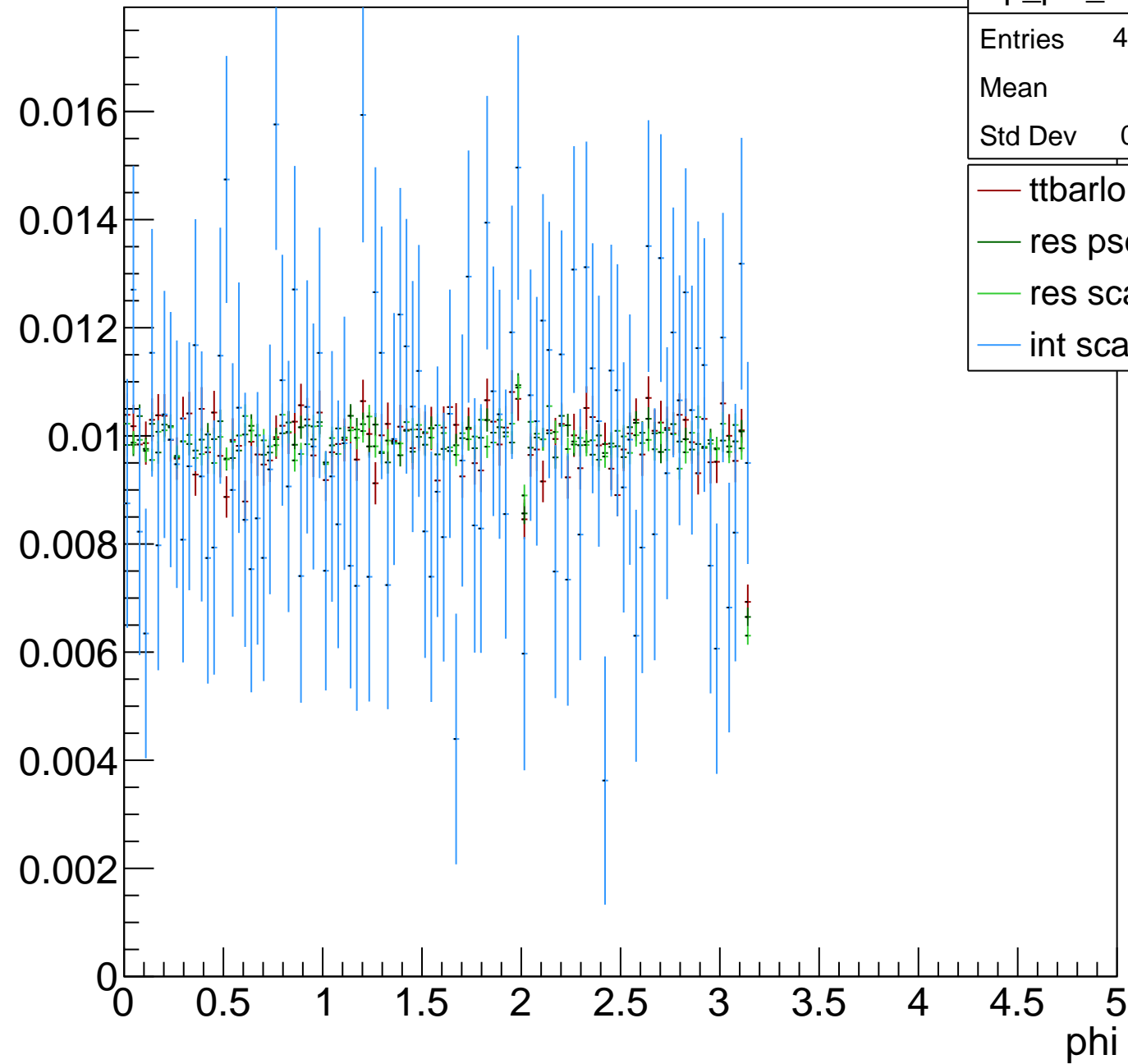
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

top_mass_no_cut	
Entries	444924
Mean	173.2
Std Dev	3.218
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int scalar</div>	

150 155 160 165 170 175 180 185 190 195 200
mass in GeV



top_phi_no_cut	
Entries	444924
Mean	1.571
Std Dev	0.9085
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int scalar</div>	

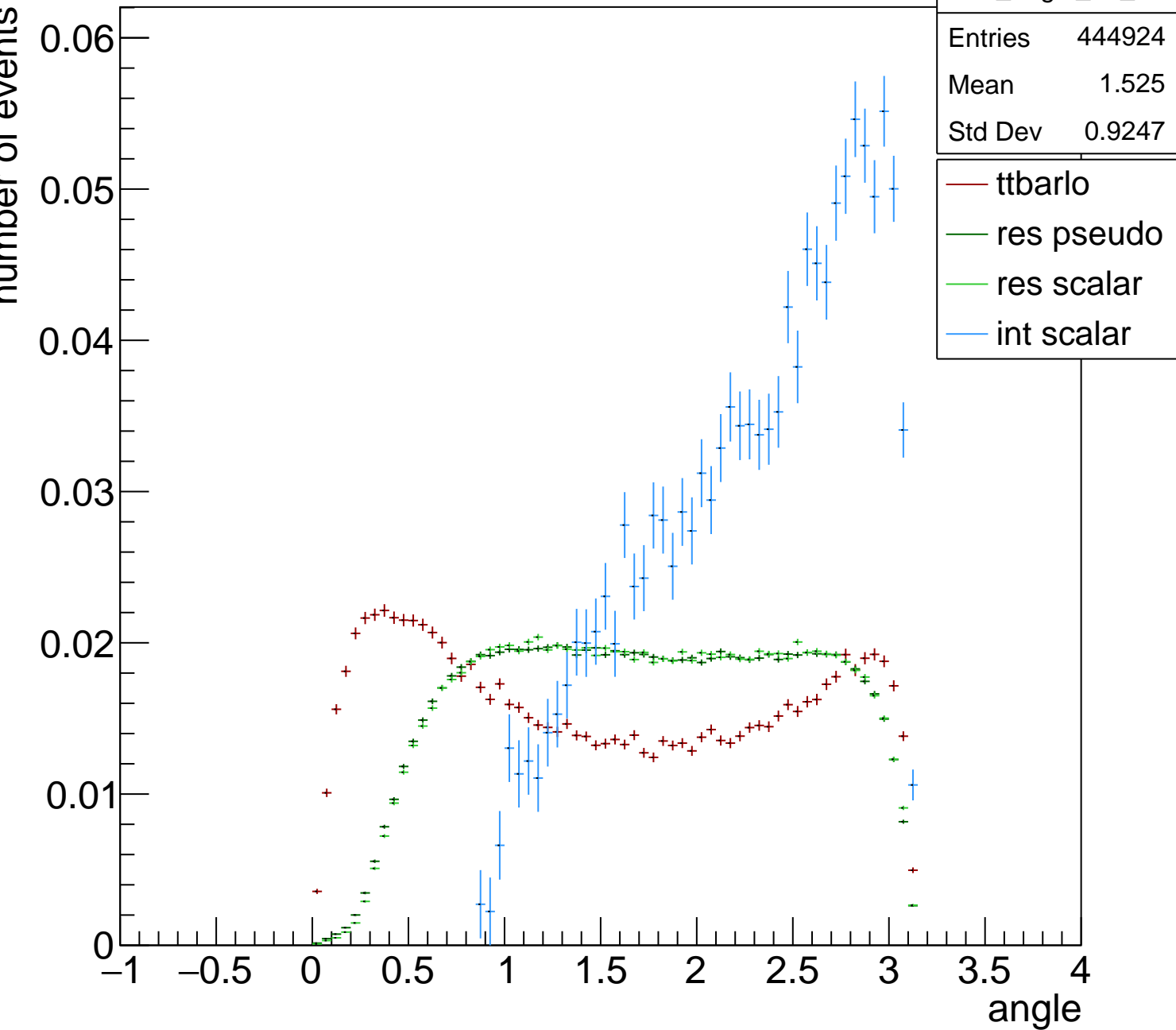


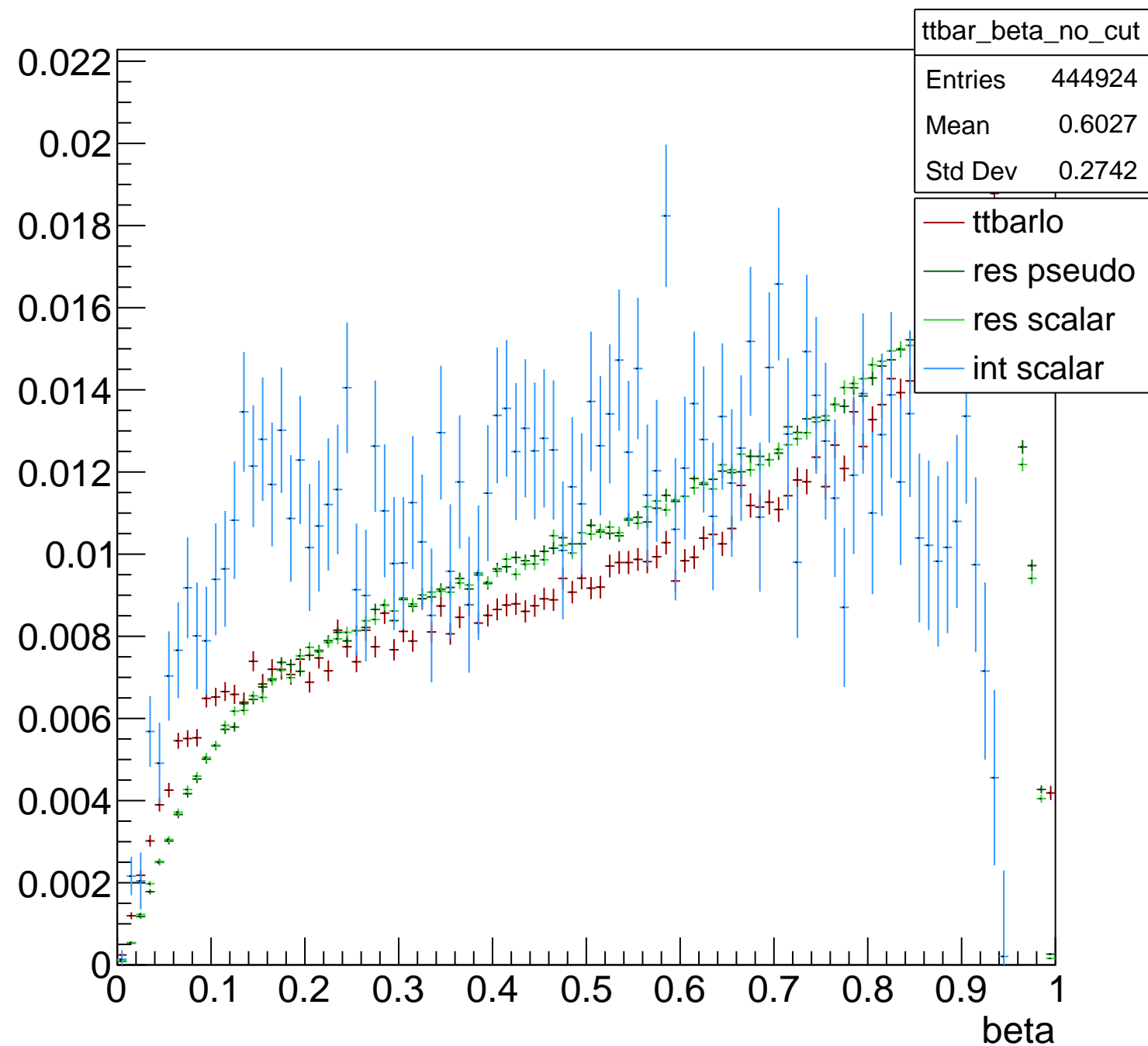
number of events

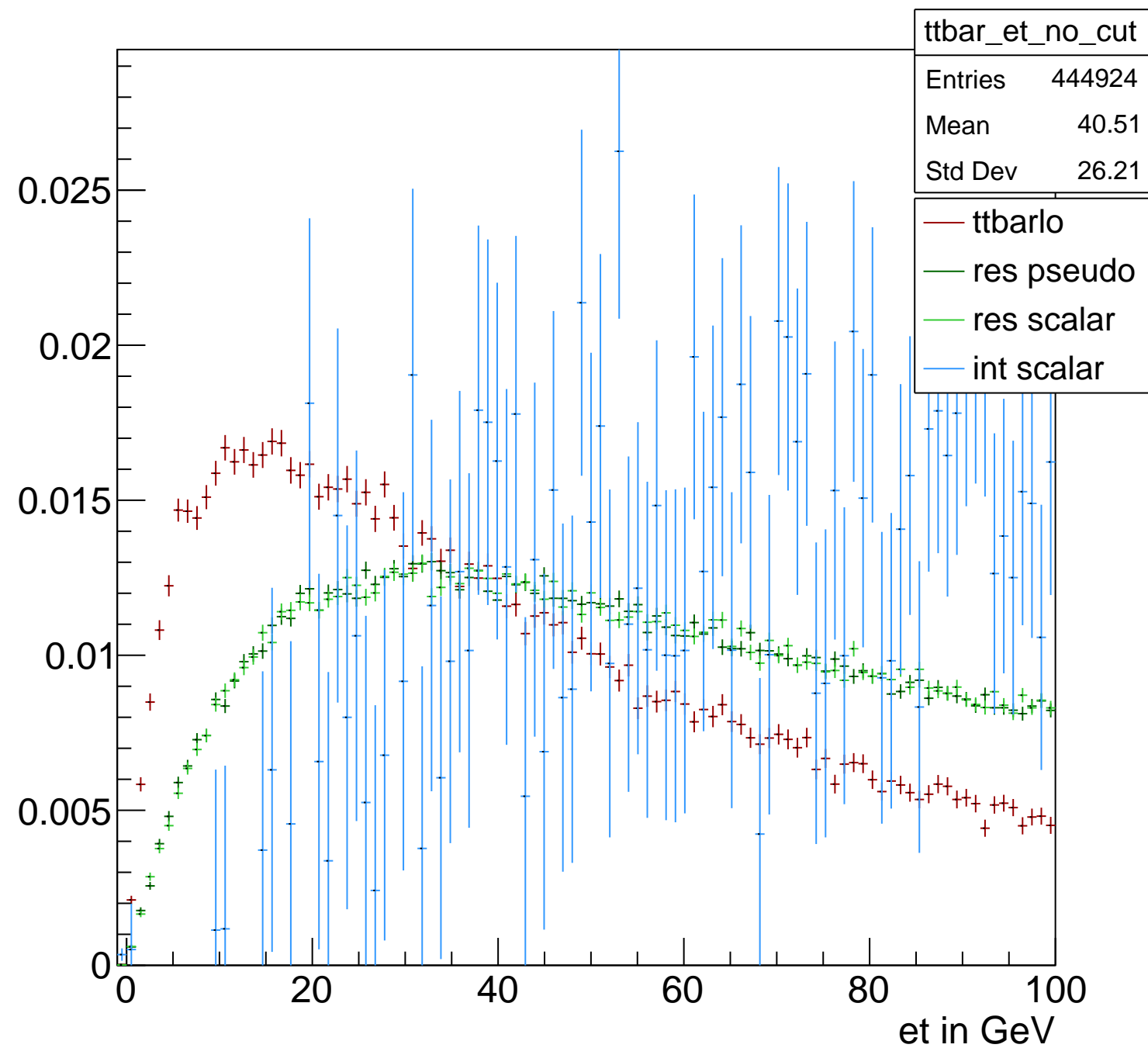
0.06
0.05
0.04
0.03
0.02
0.01
0

ttbar_angle_no_cut	
Entries	444924
Mean	1.525
Std Dev	0.9247
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int scalar</div>	

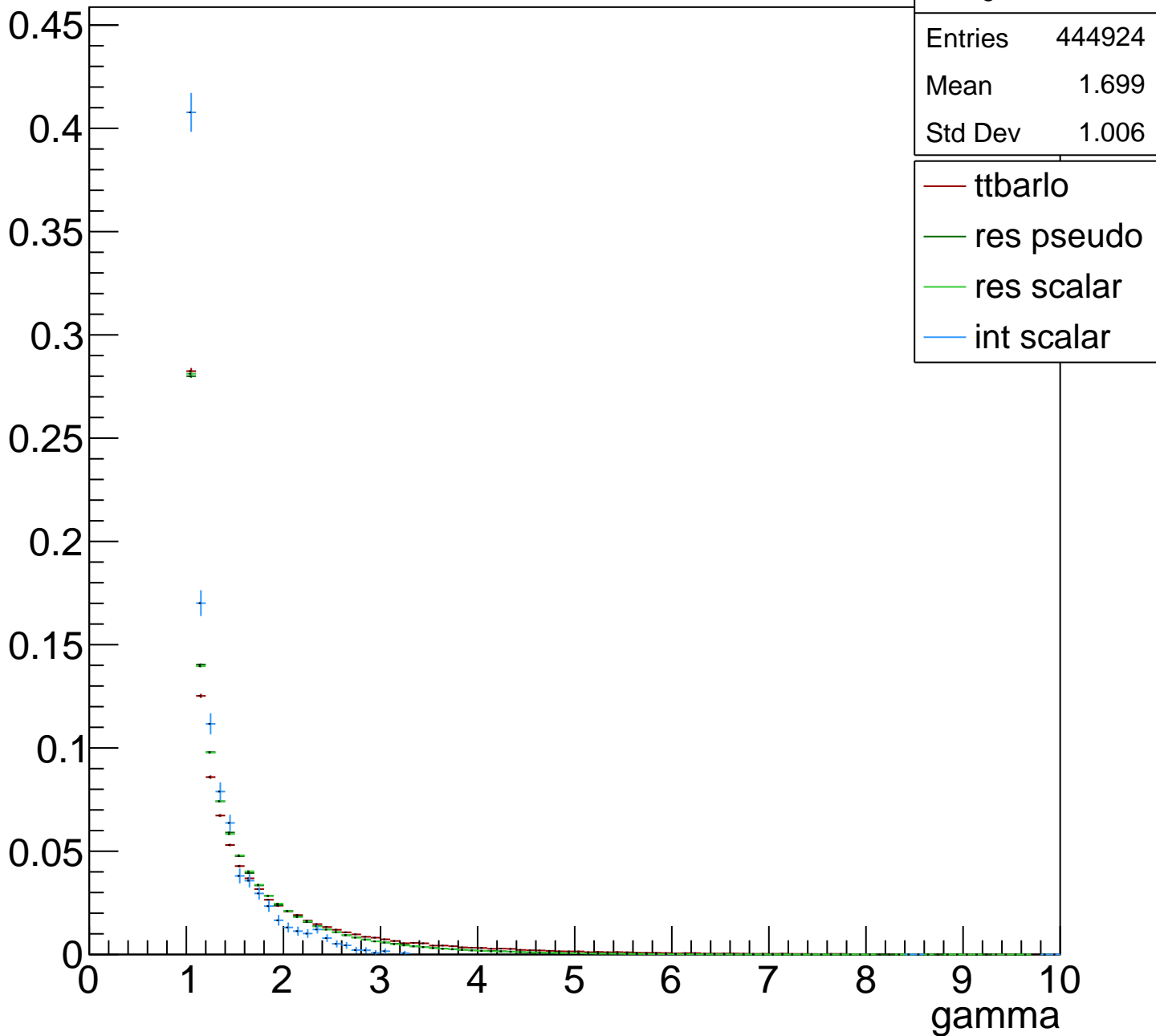
angle



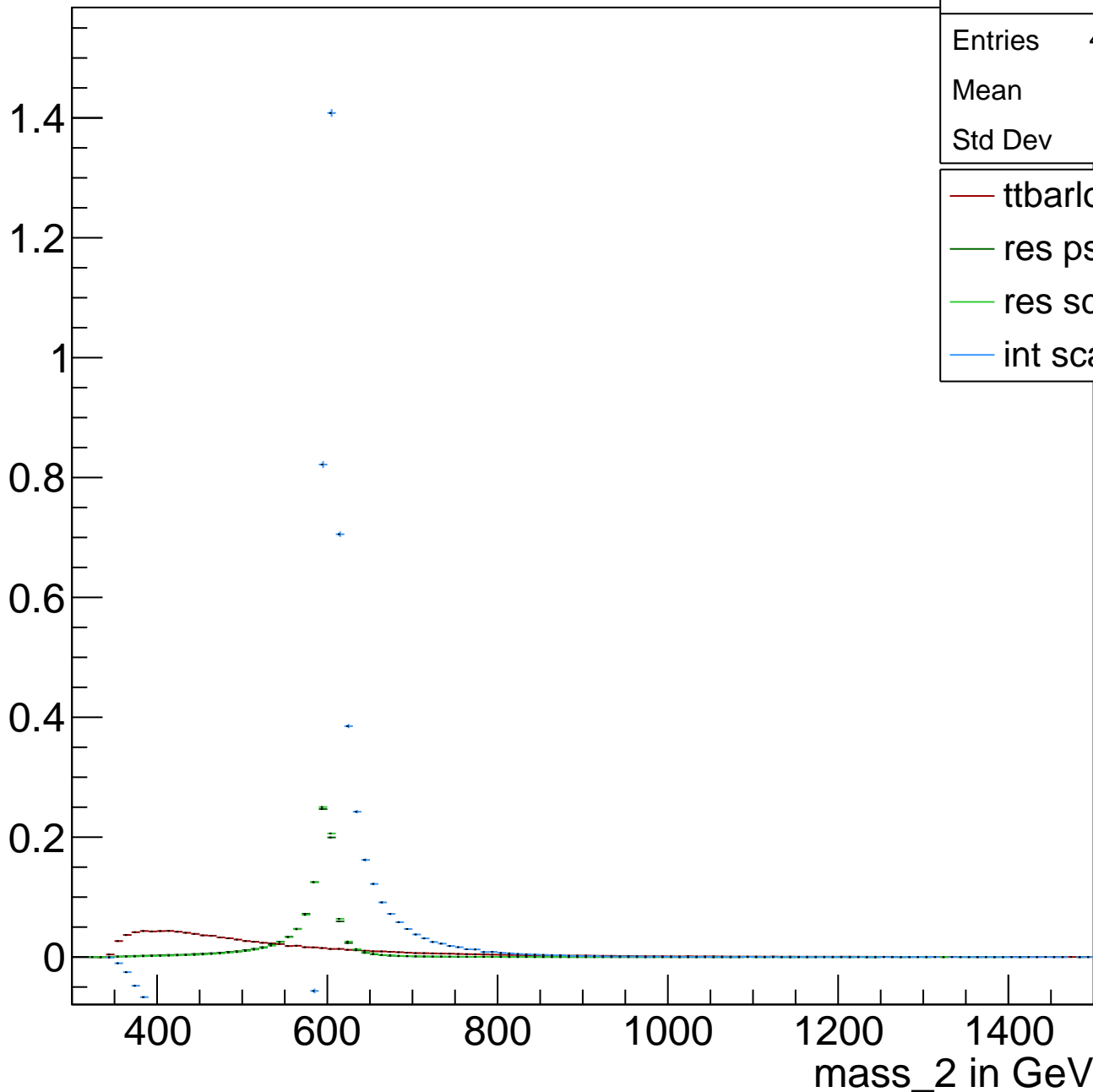




number of events



number of events



number of events

1.4
1.2
1
0.8
0.6
0.4
0.2
0

400

600

800

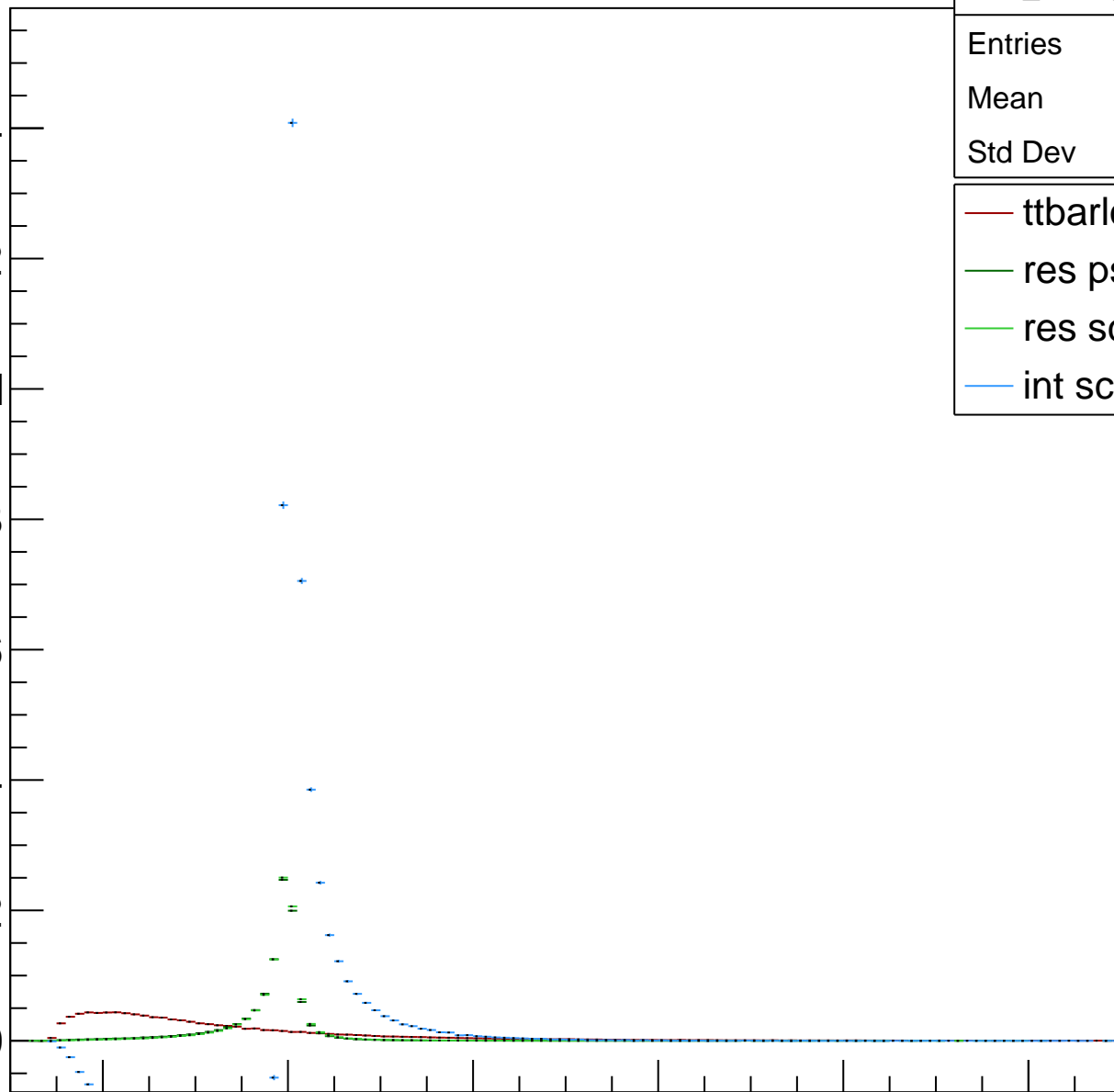
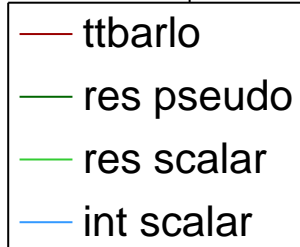
1000

1200

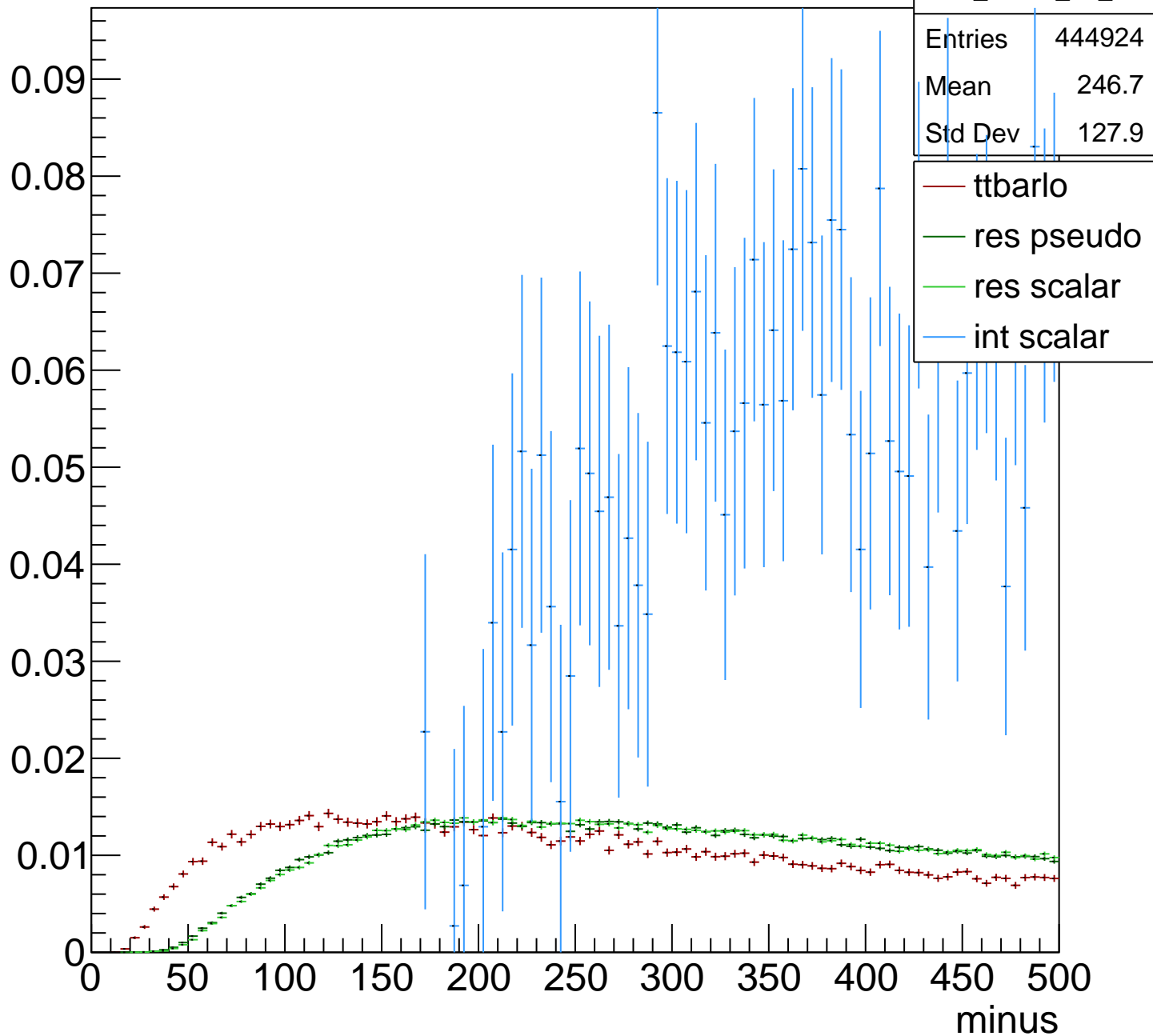
1400

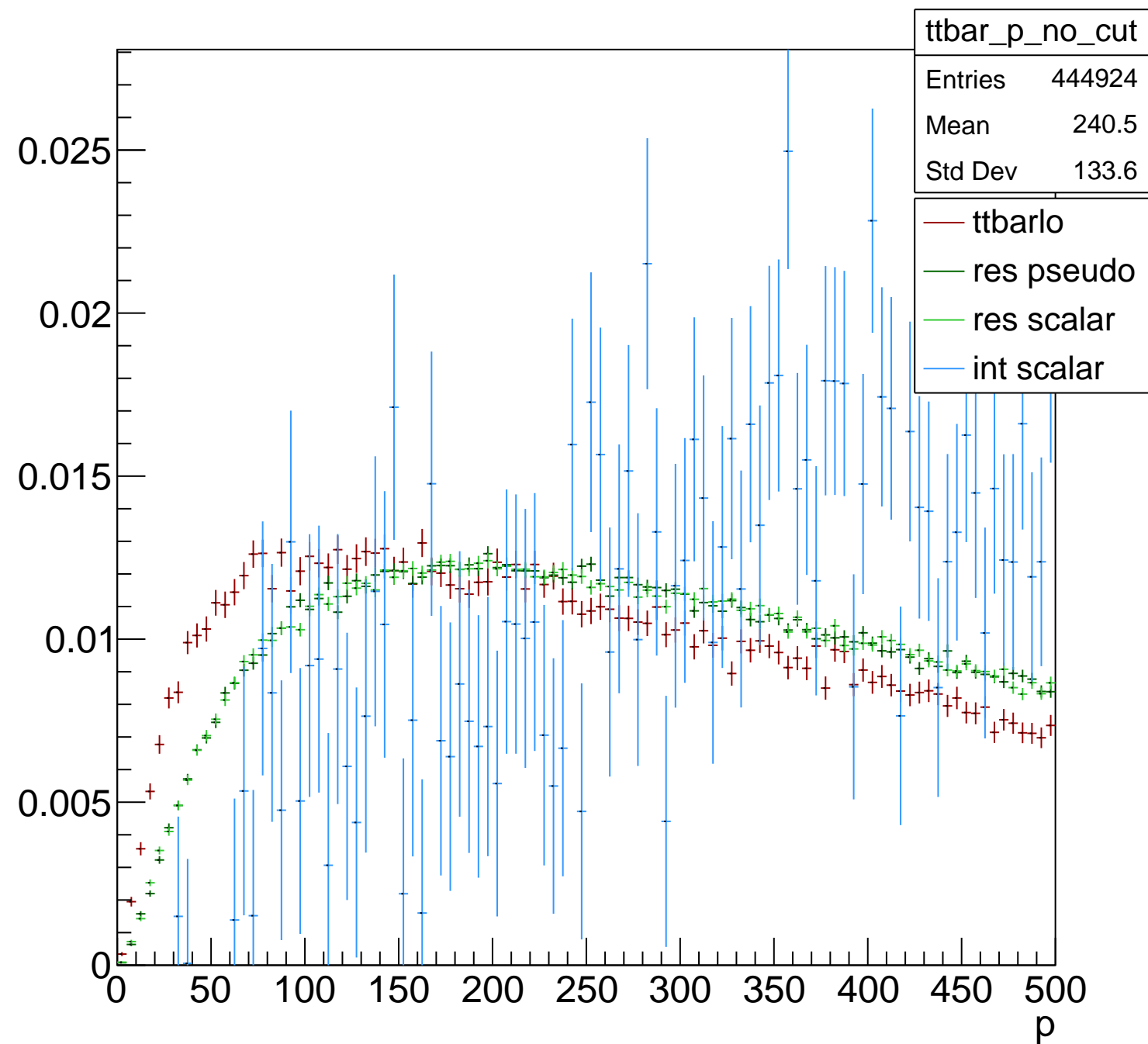
mass in GeV

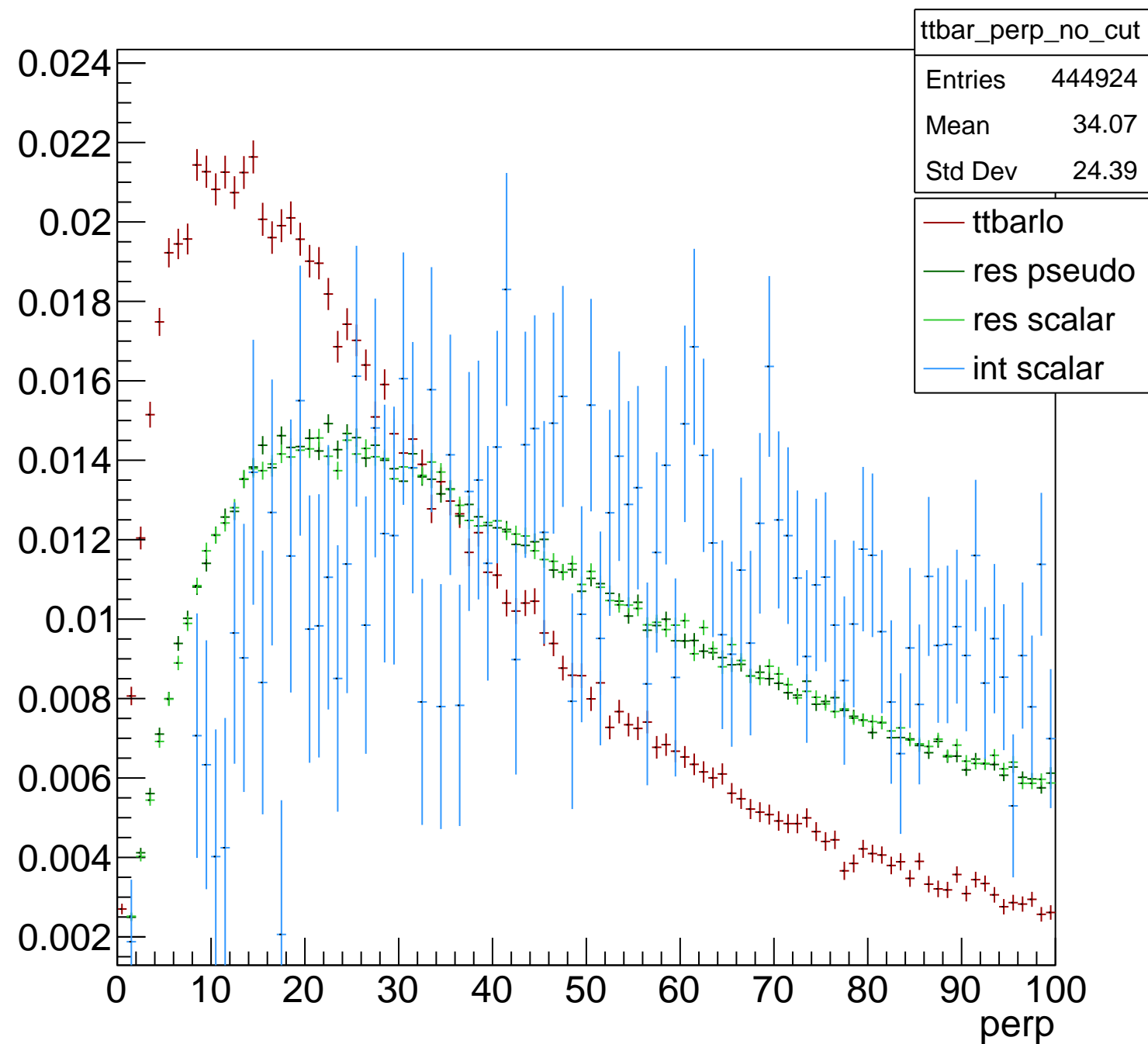
ttbar_mass_no_cut	
Entries	444924
Mean	525.5
Std Dev	163.8

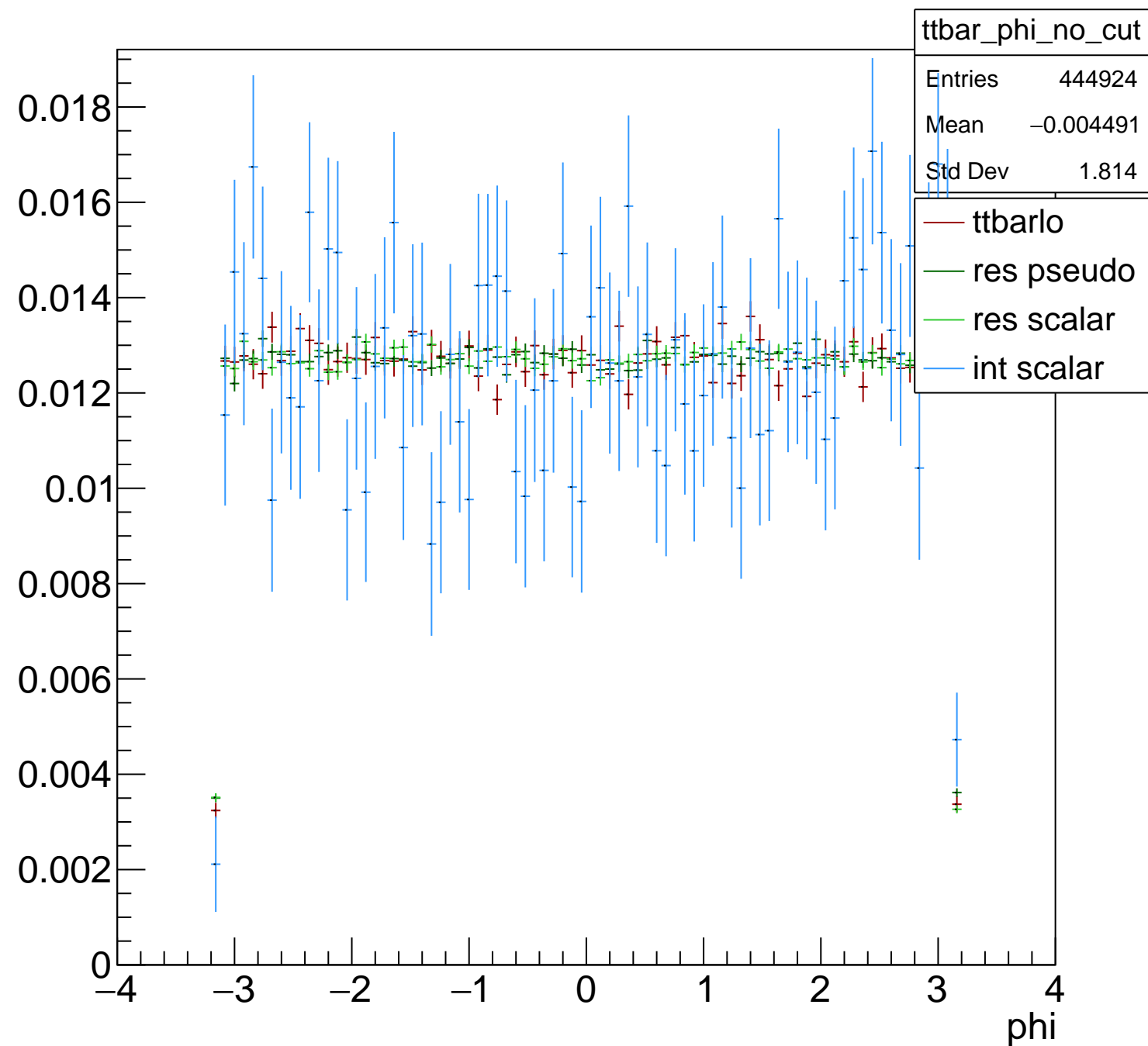


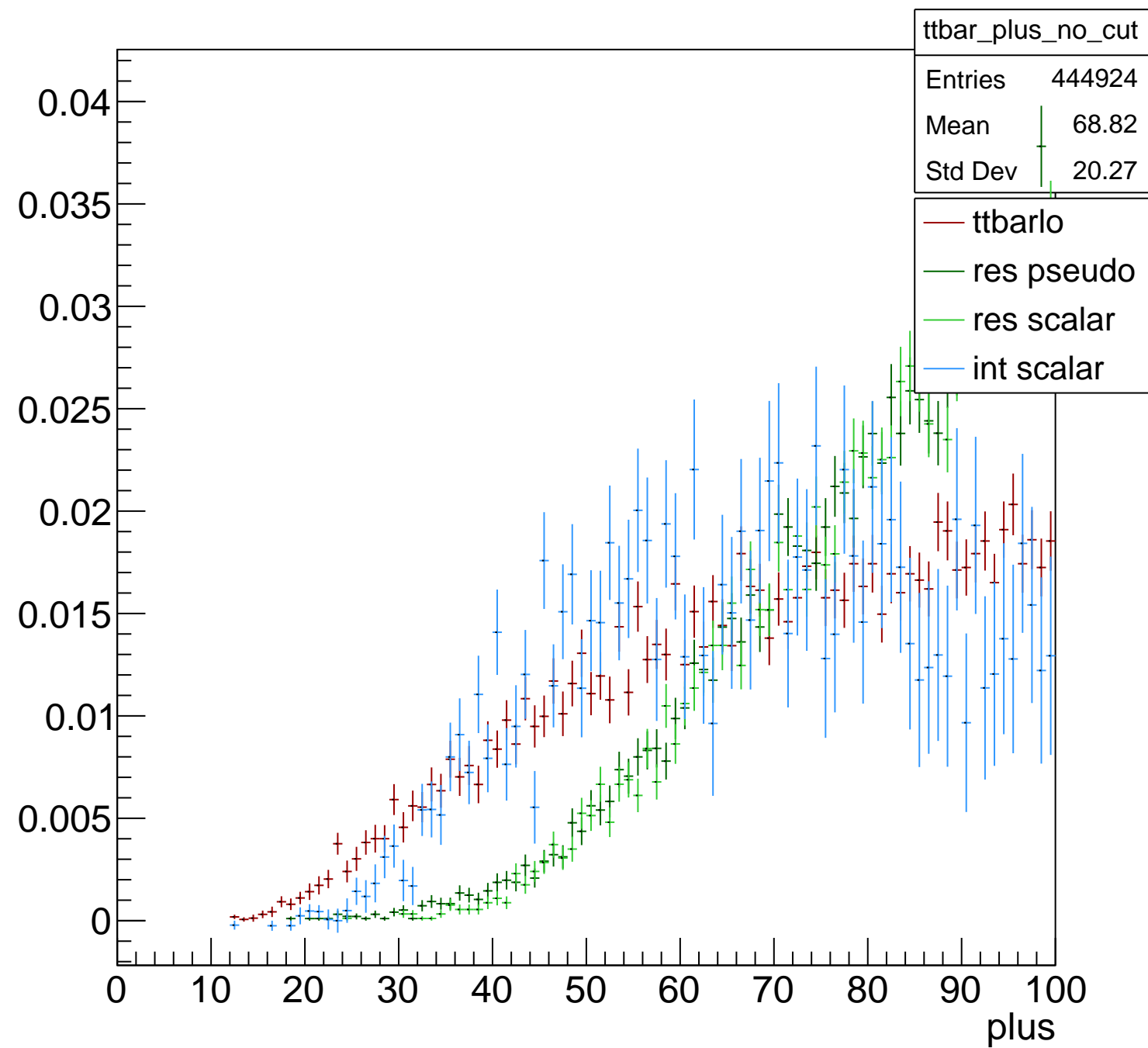
number of events

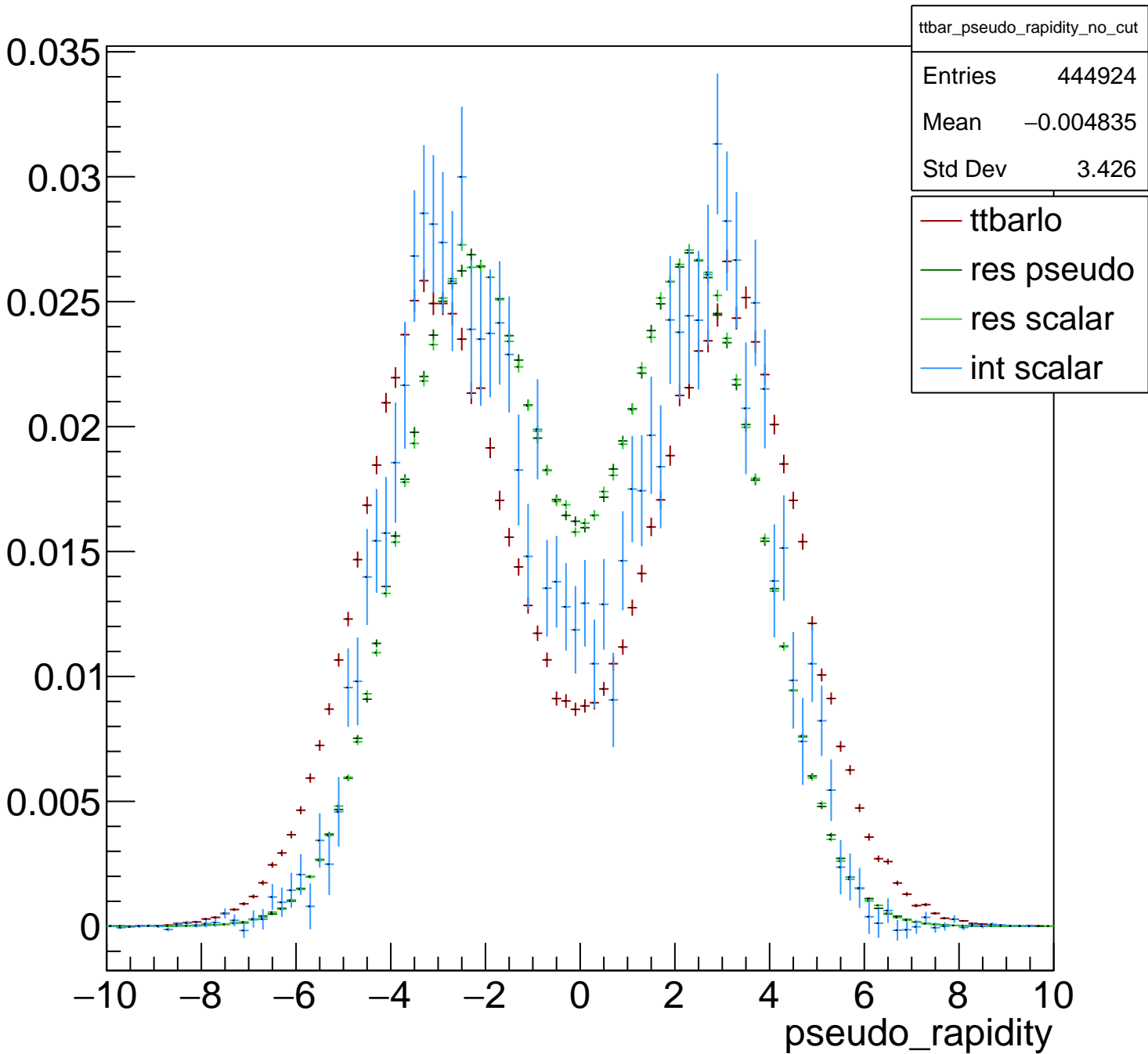






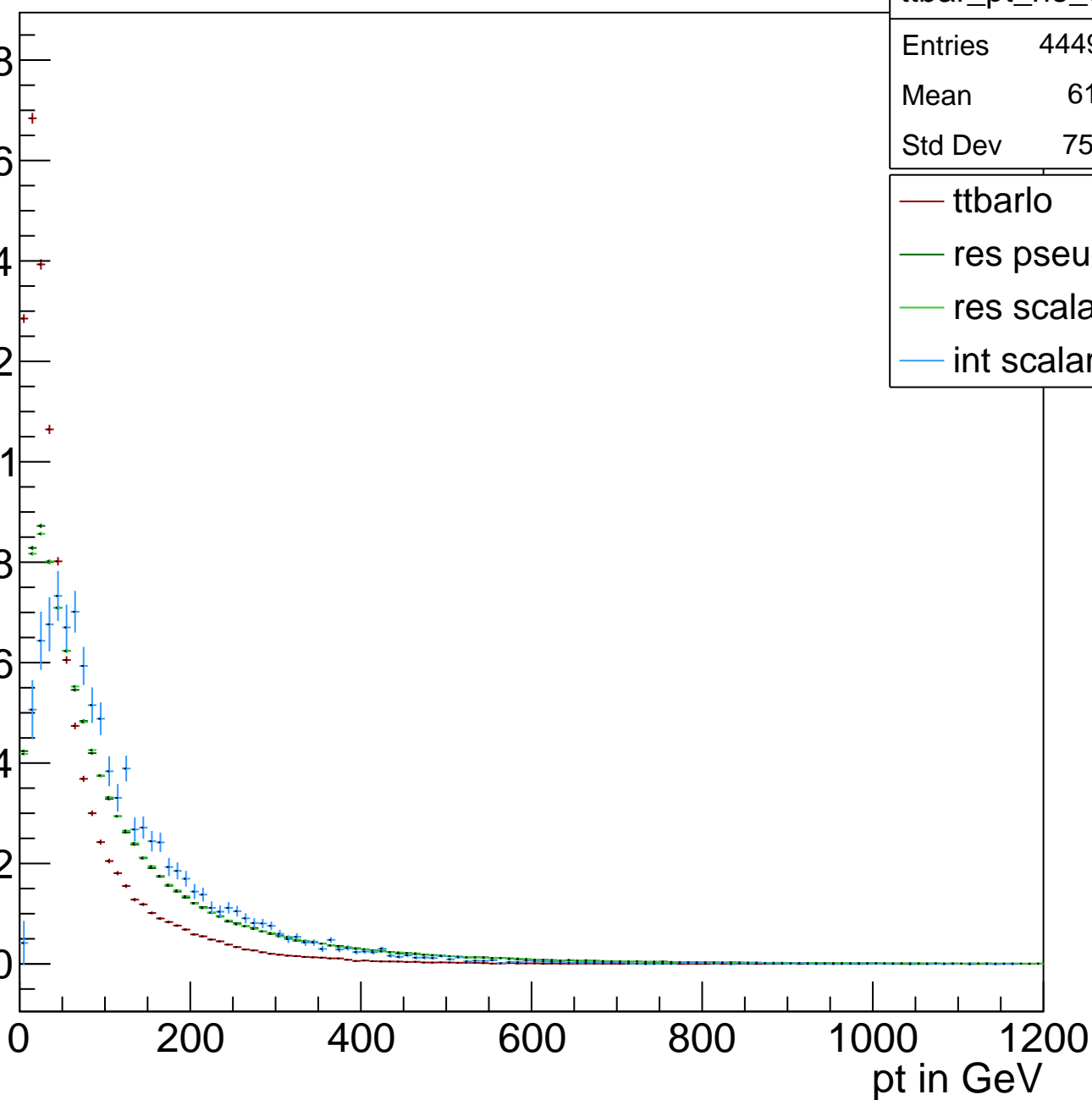






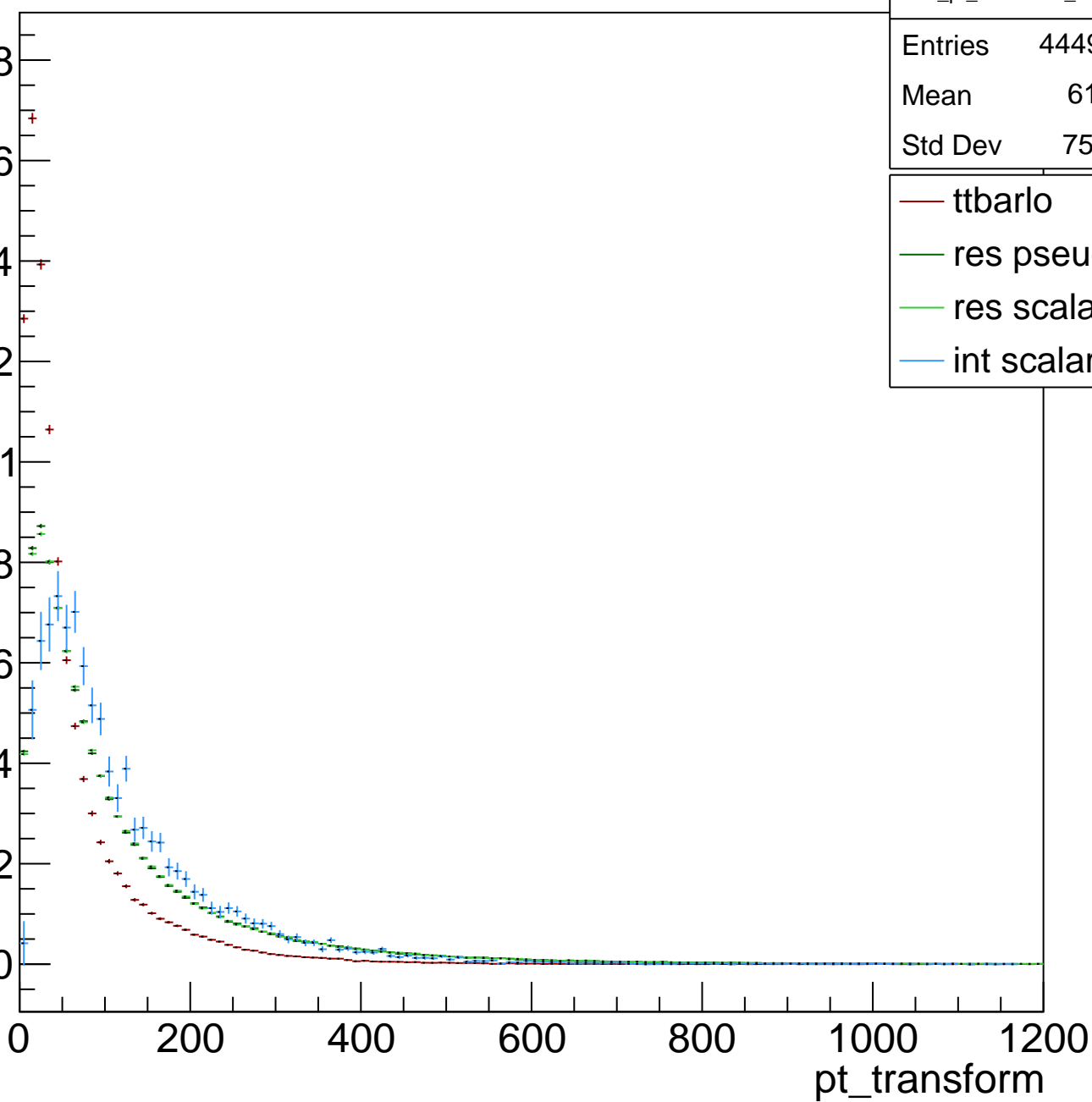
number of events

0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

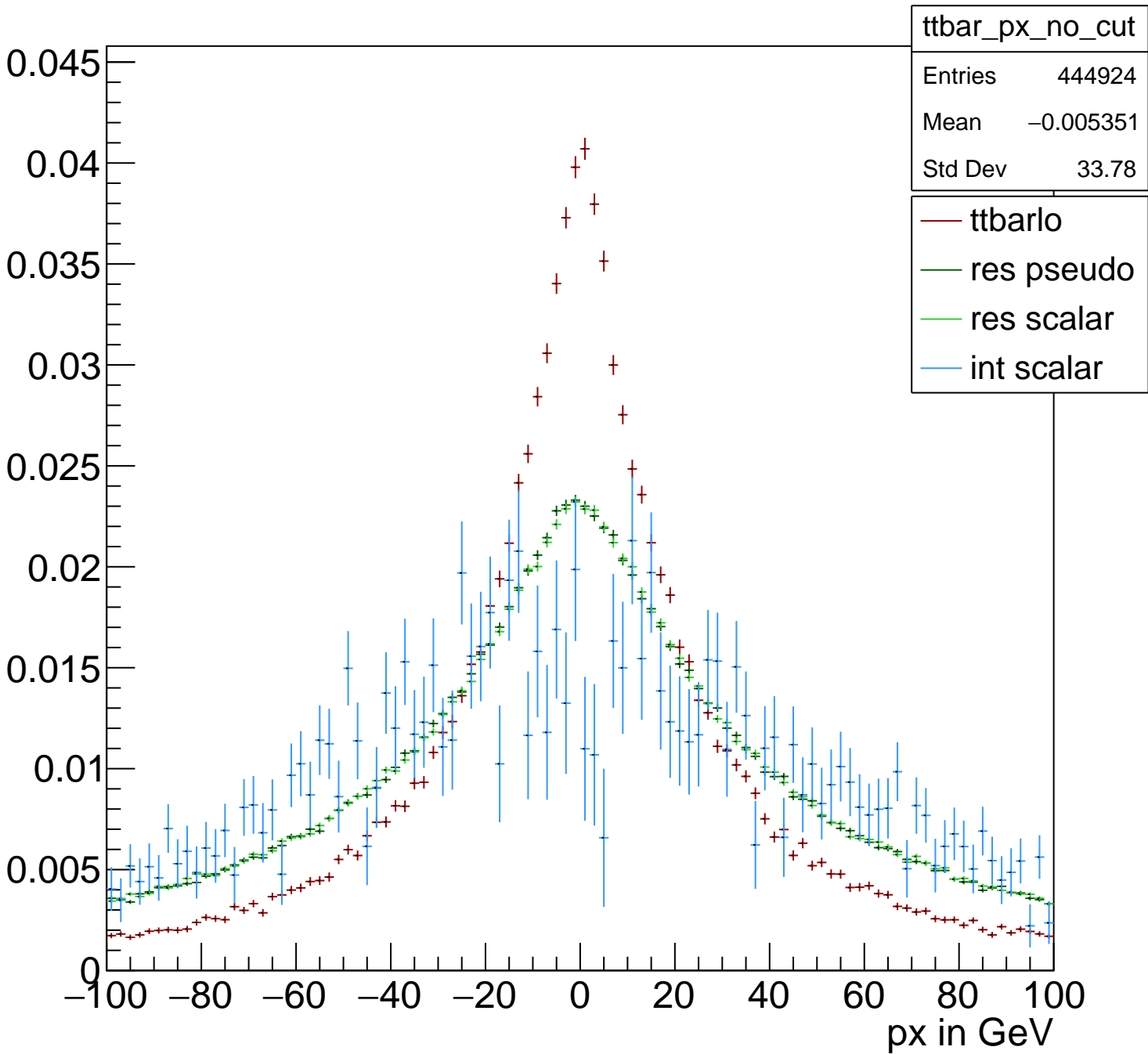


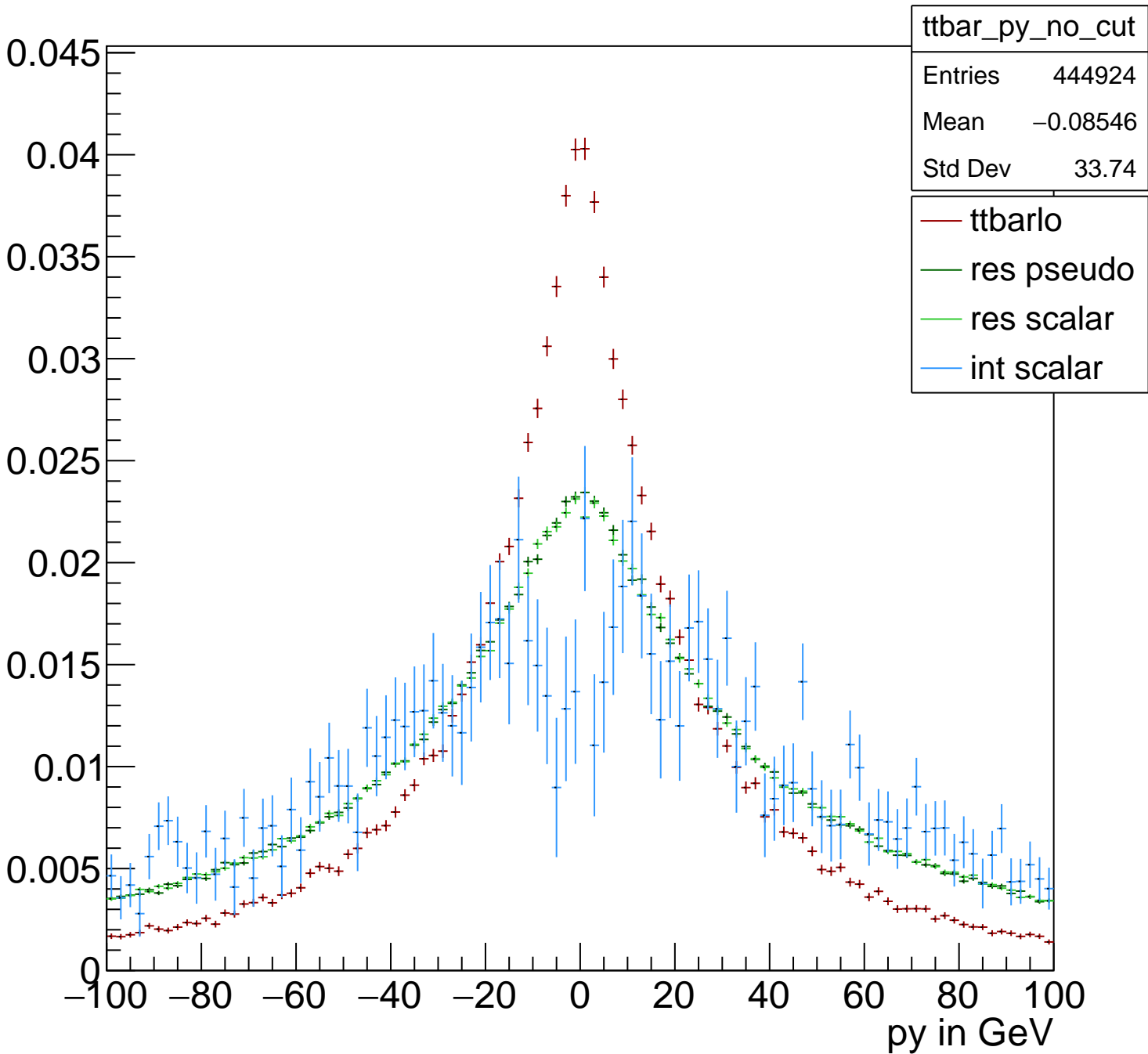
number of events

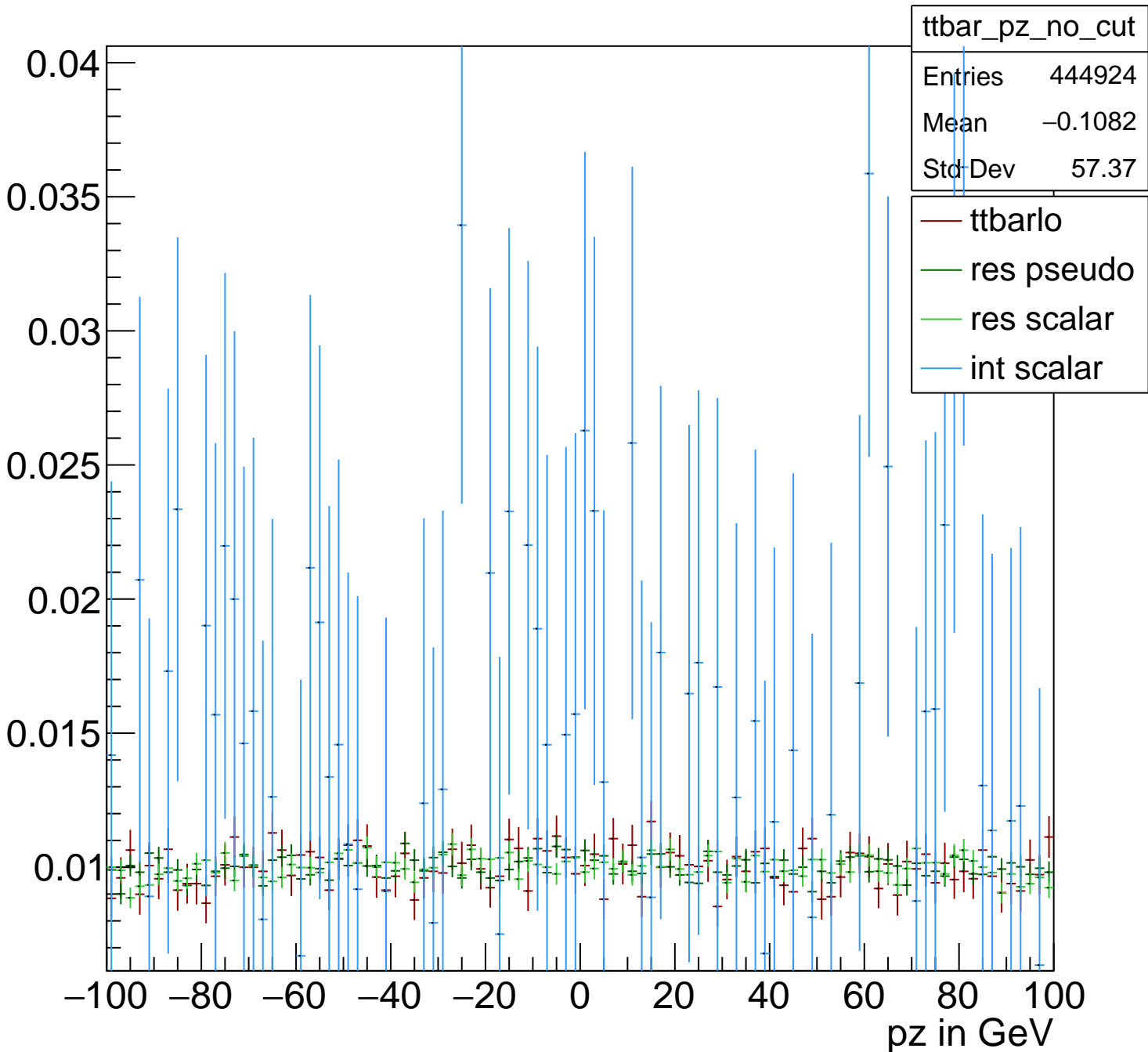
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

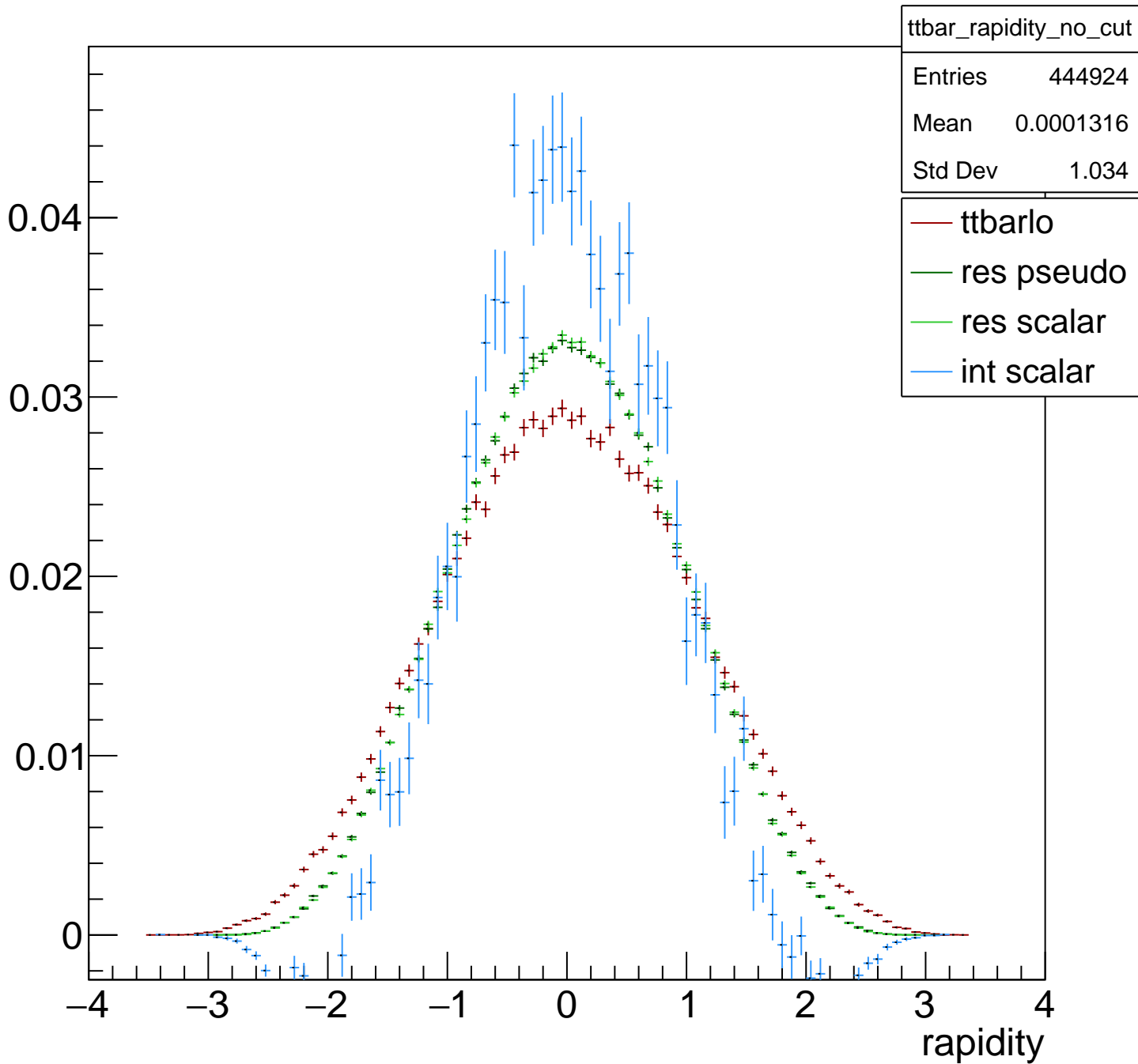


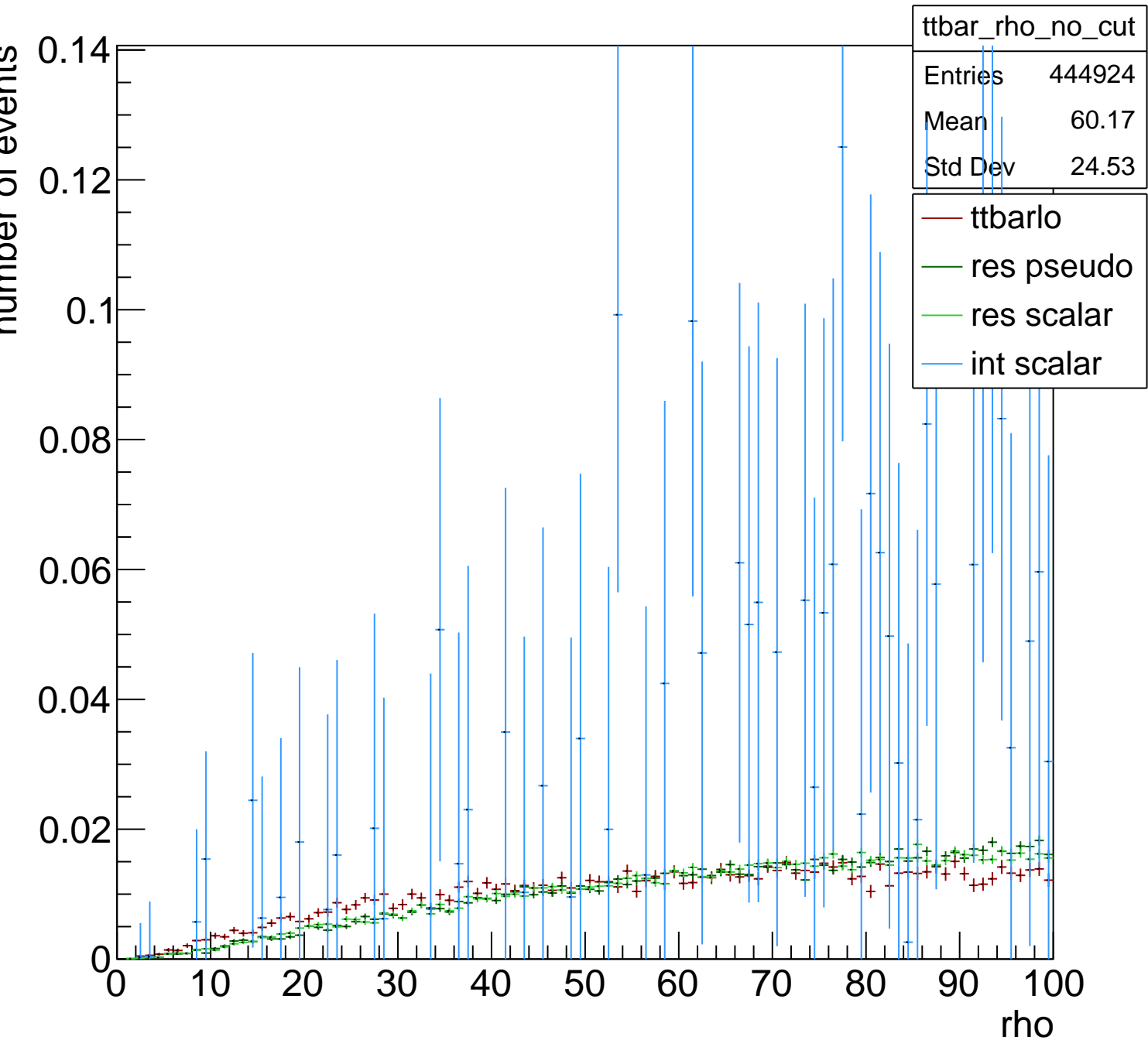
ttbar_pt_transform_no_cut	
Entries	444924
Mean	61.81
Std Dev	75.24











number of events

0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

ttbar_theta_no_cut	
Entries	444924
Mean	1.574
Std Dev	1.376
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int scalar</div>	

−1 −0.5 0 0.5 1 1.5 2 2.5 3 3.5 4
theta

