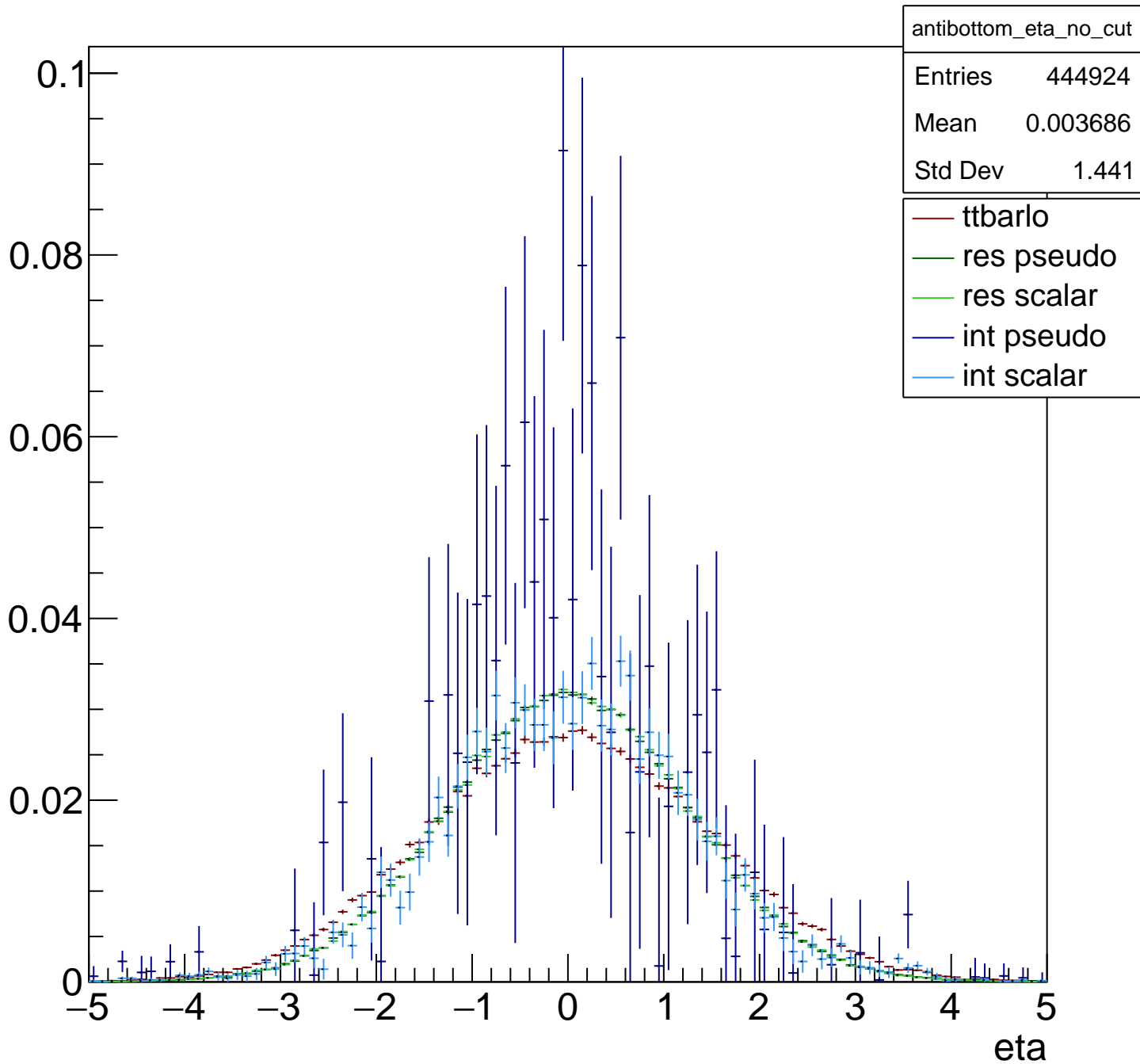
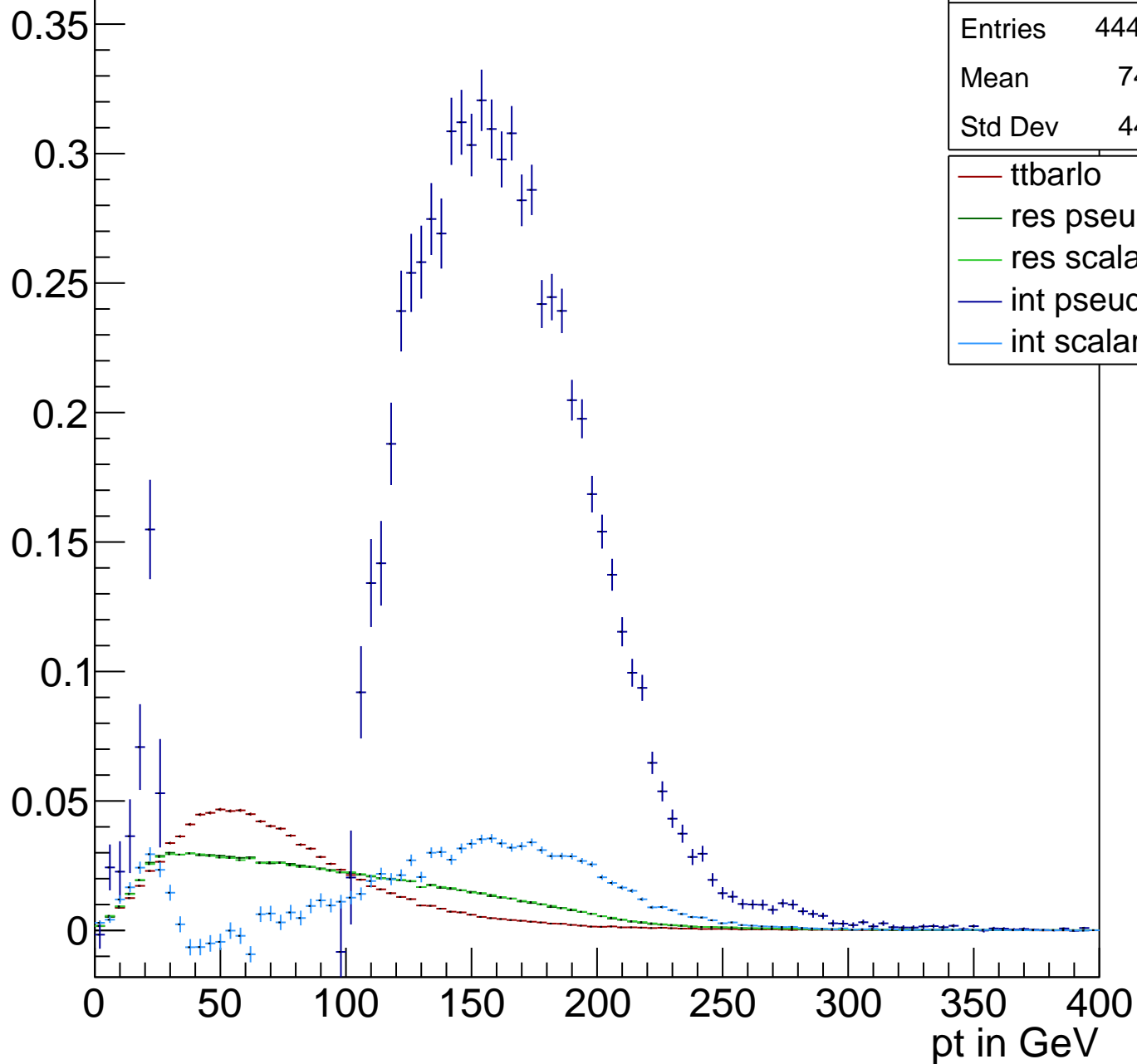


number of events

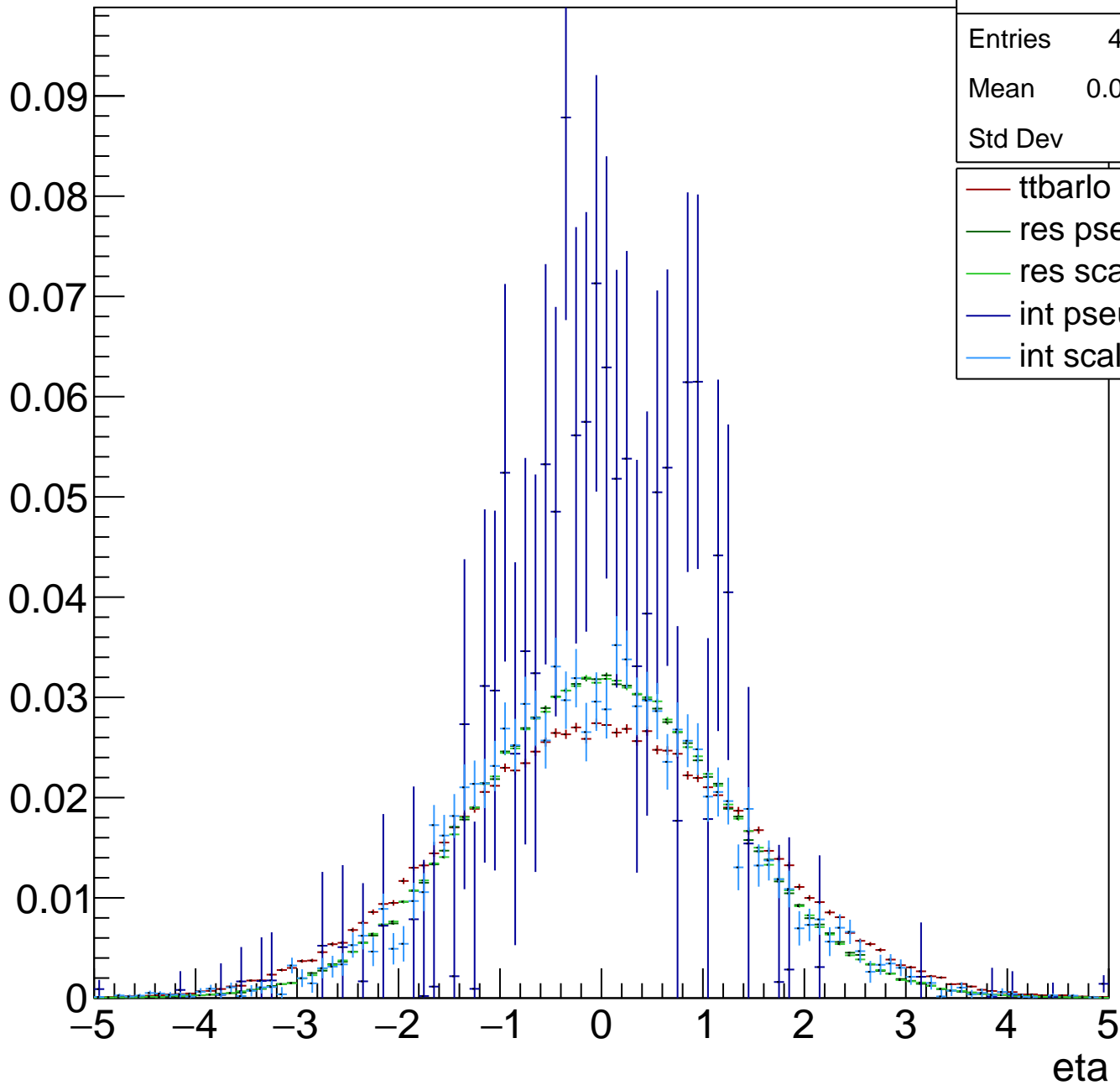


number of events

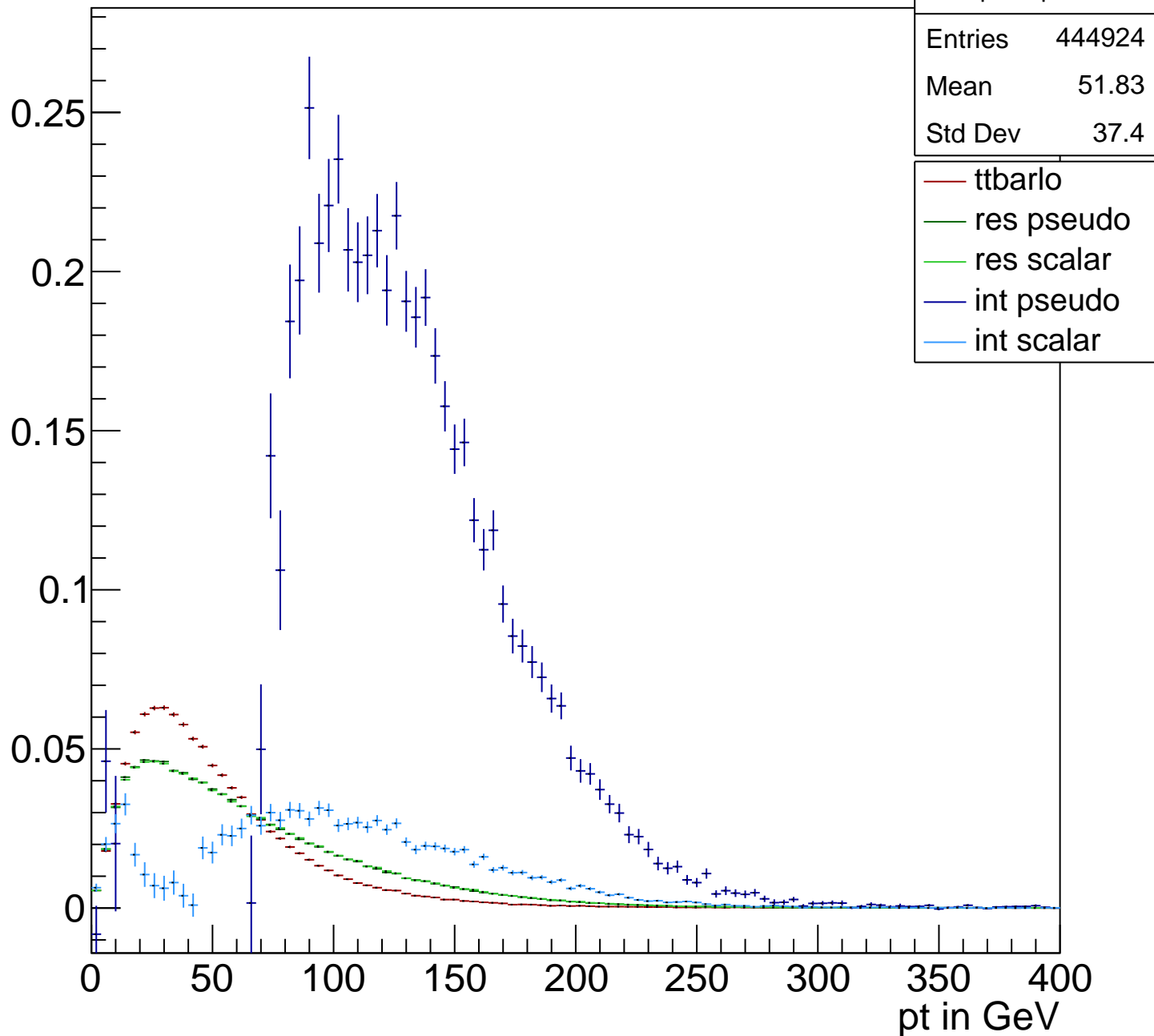


number of events

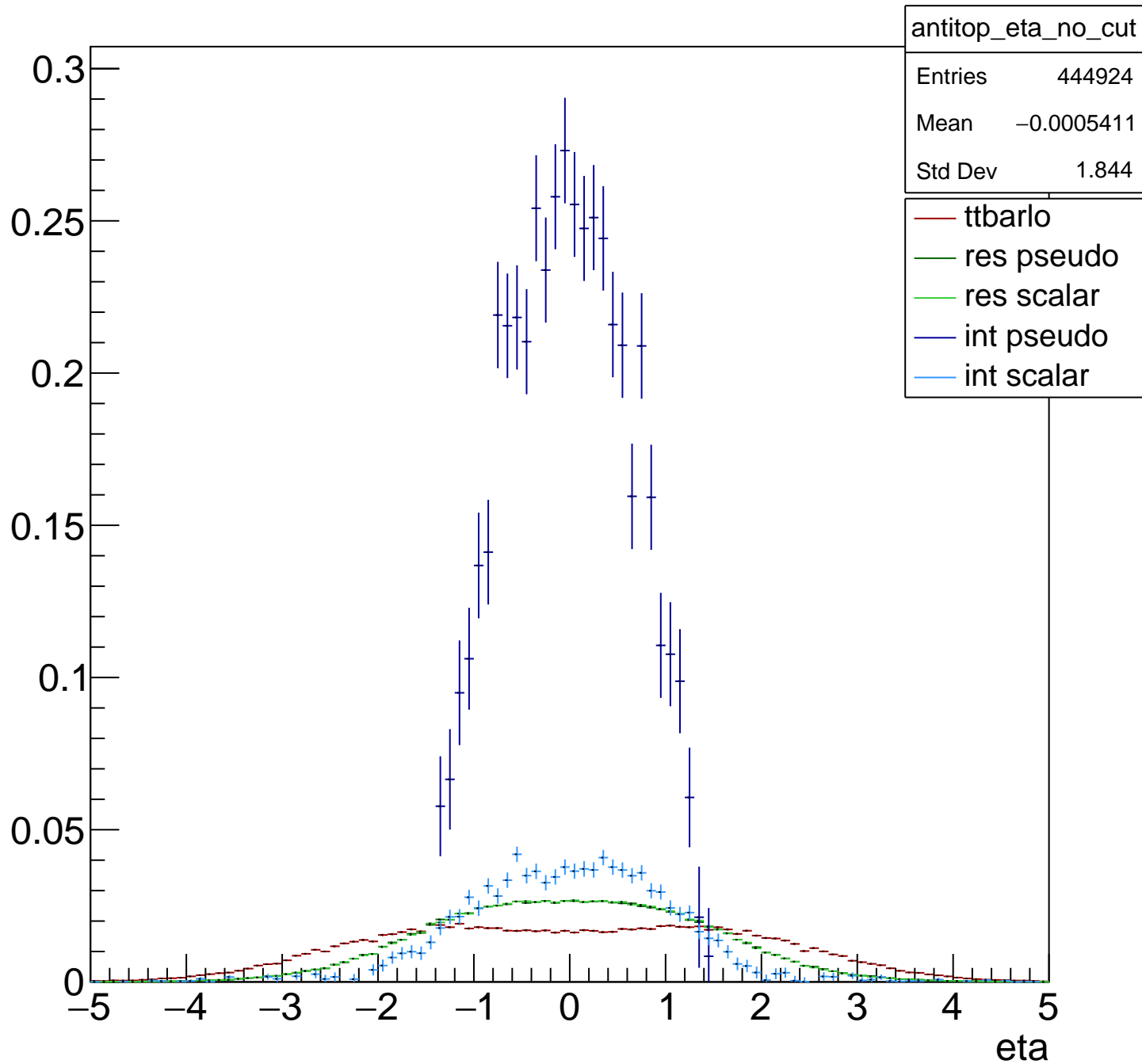
antilepton_eta_no_cut	
Entries	444924
Mean	0.003237
Std Dev	1.45
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int pseudo</div> <div><div></div>int scalar</div>	



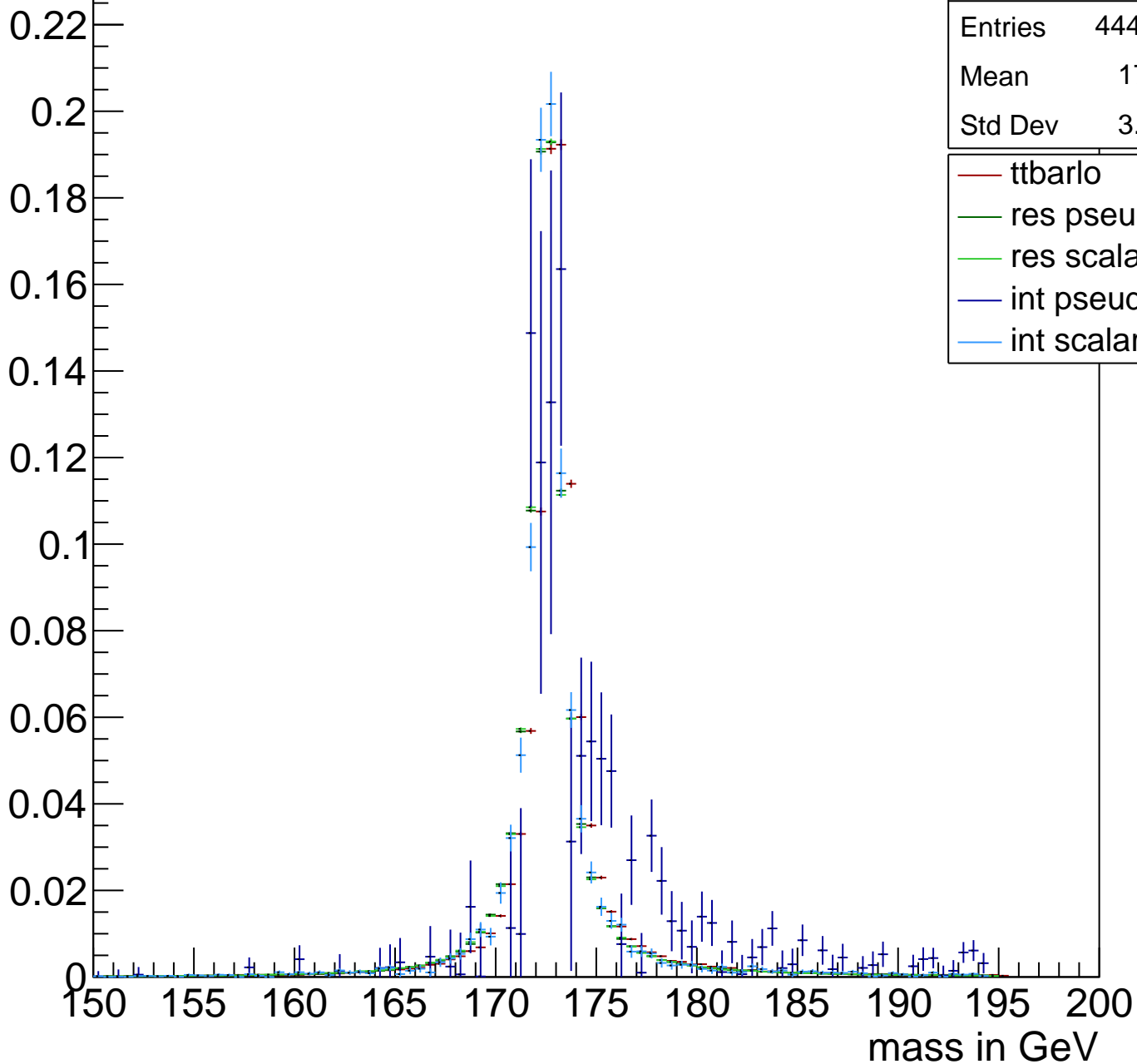
number of events



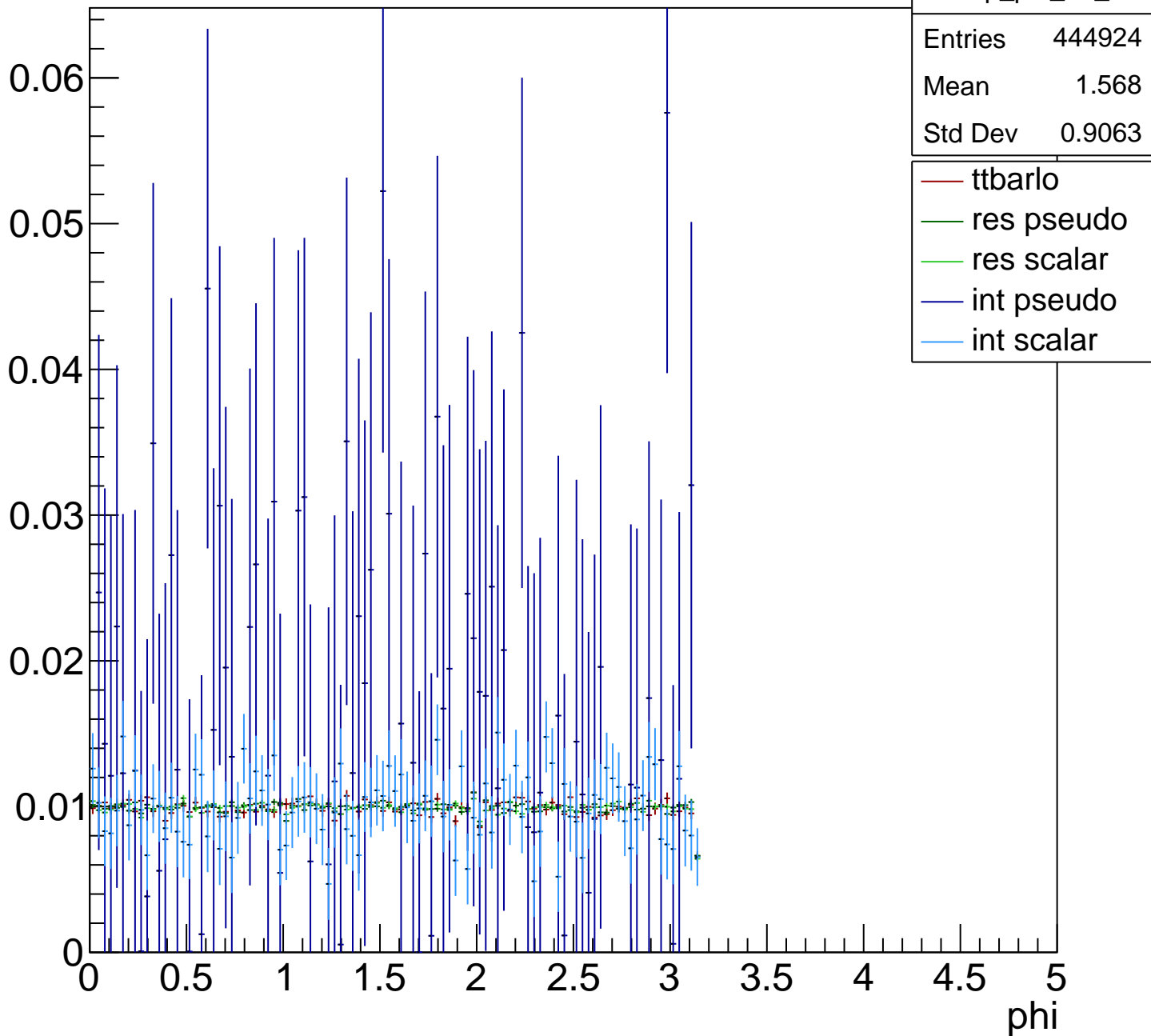
number of events



number of events



number of events



number of events

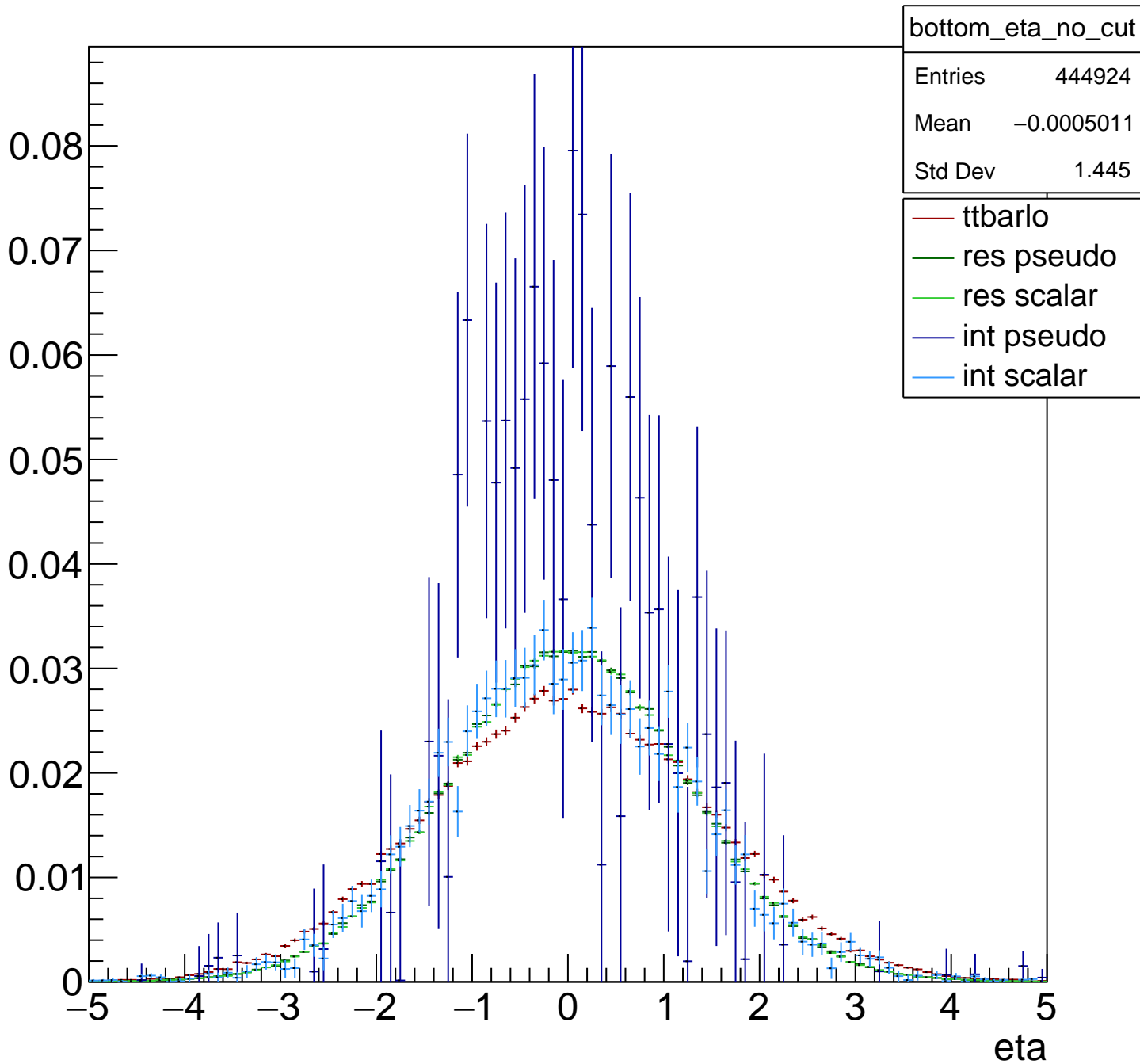
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

0 200 400 600 800 1000 1200

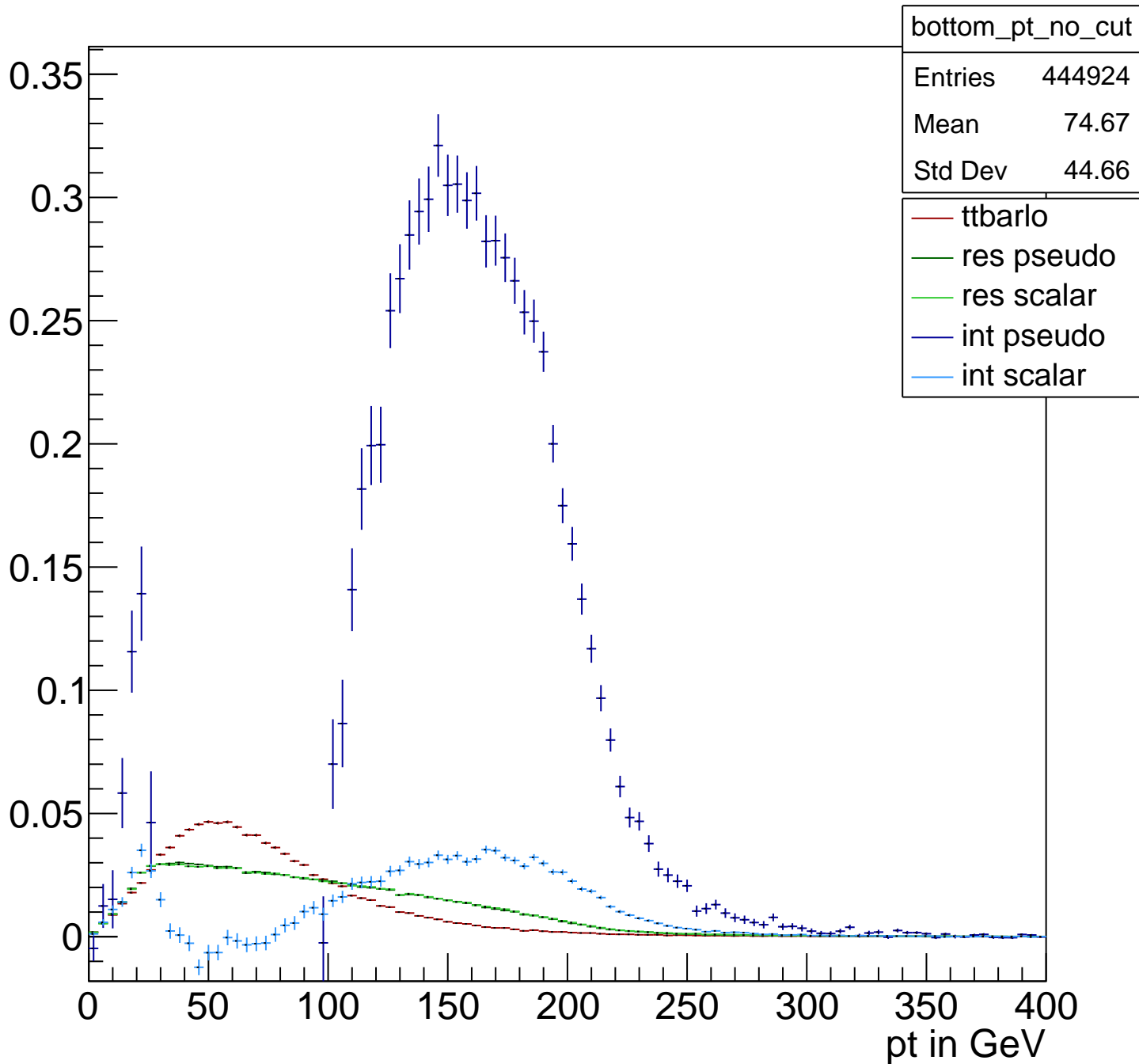
mass in GeV

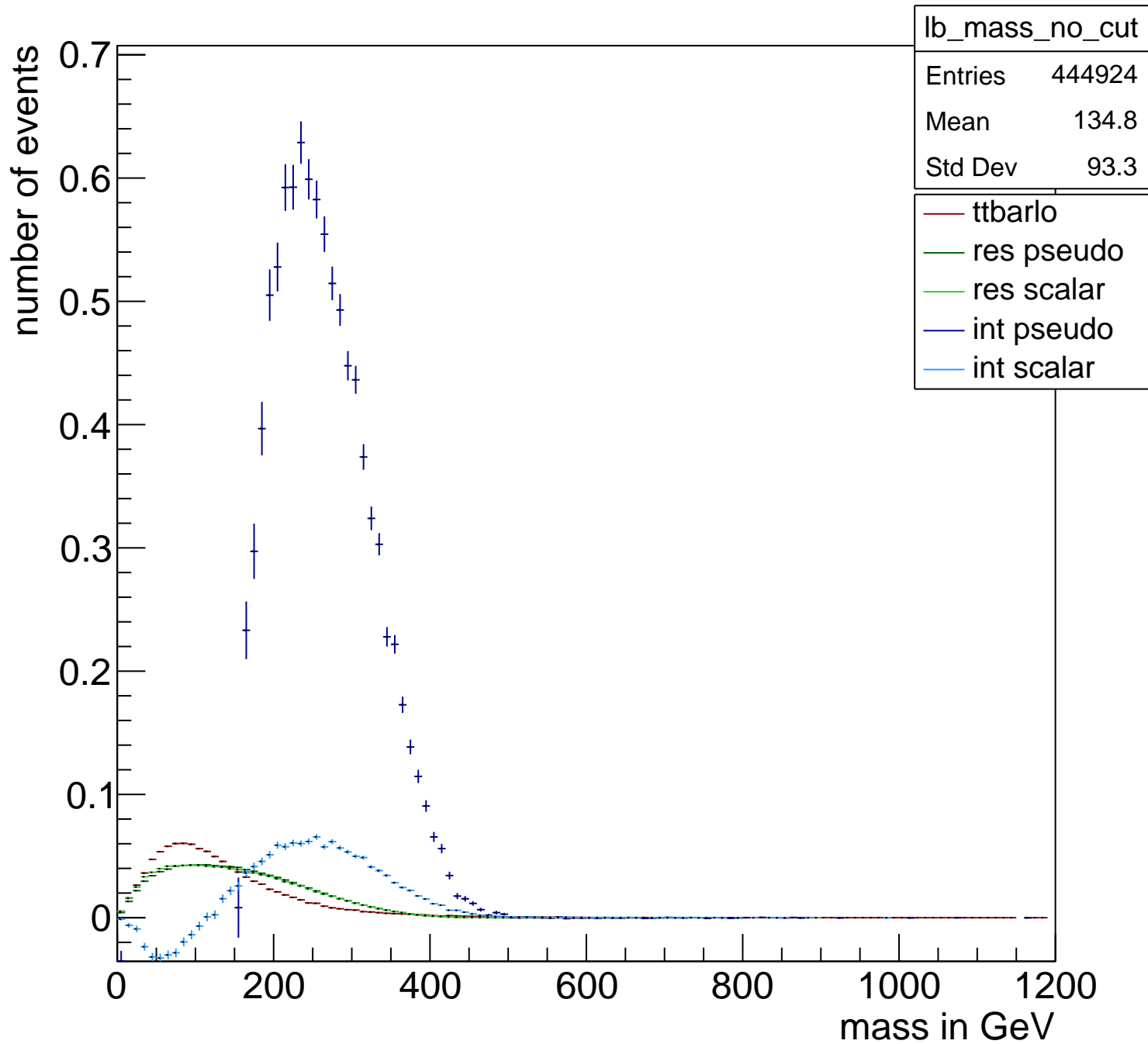
bbbar_mass_no_cut	
Entries	444924
Mean	162.4
Std Dev	109
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int pseudo</div> <div><div></div>int scalar</div>	

number of events

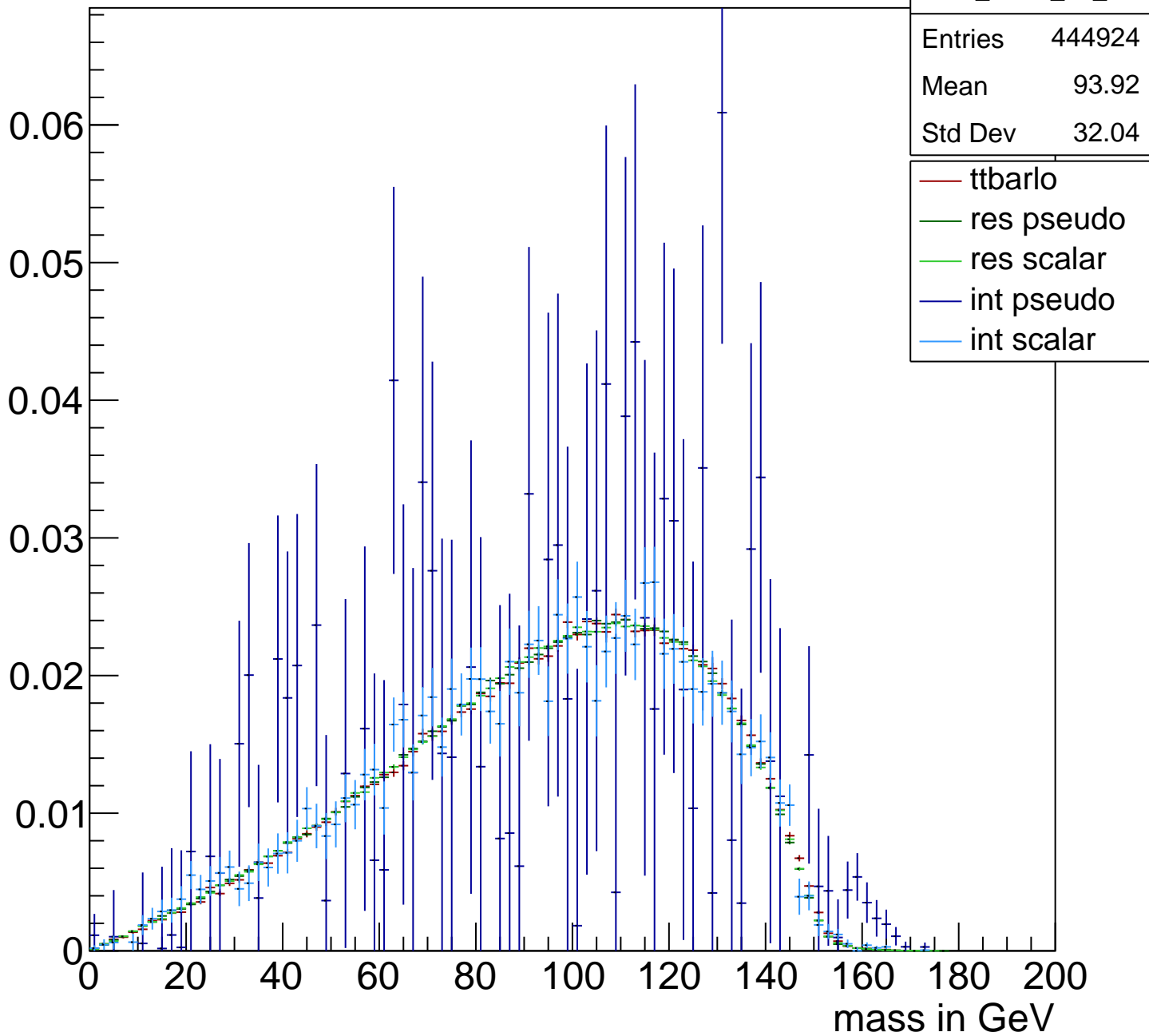


number of events

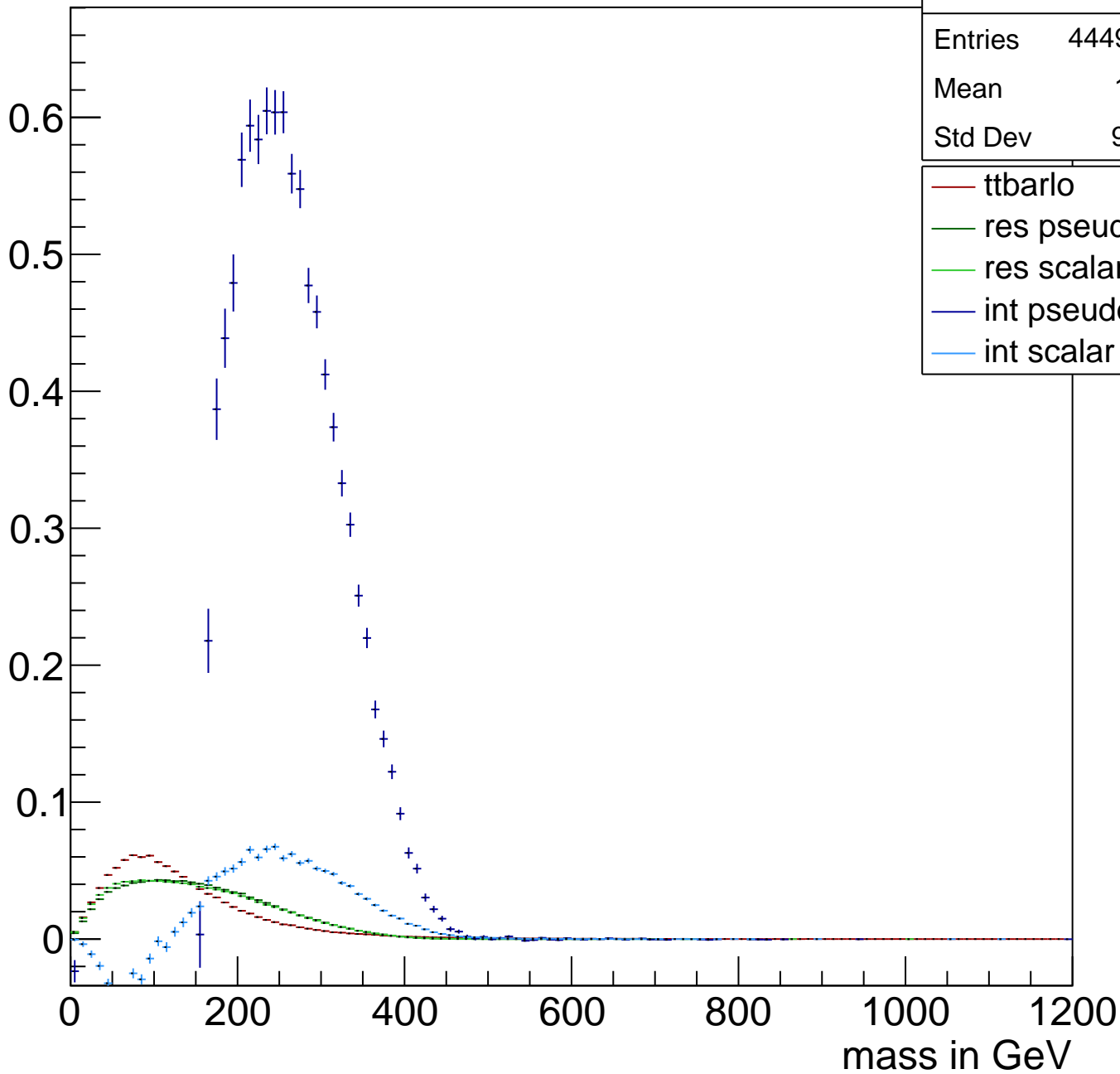




number of events



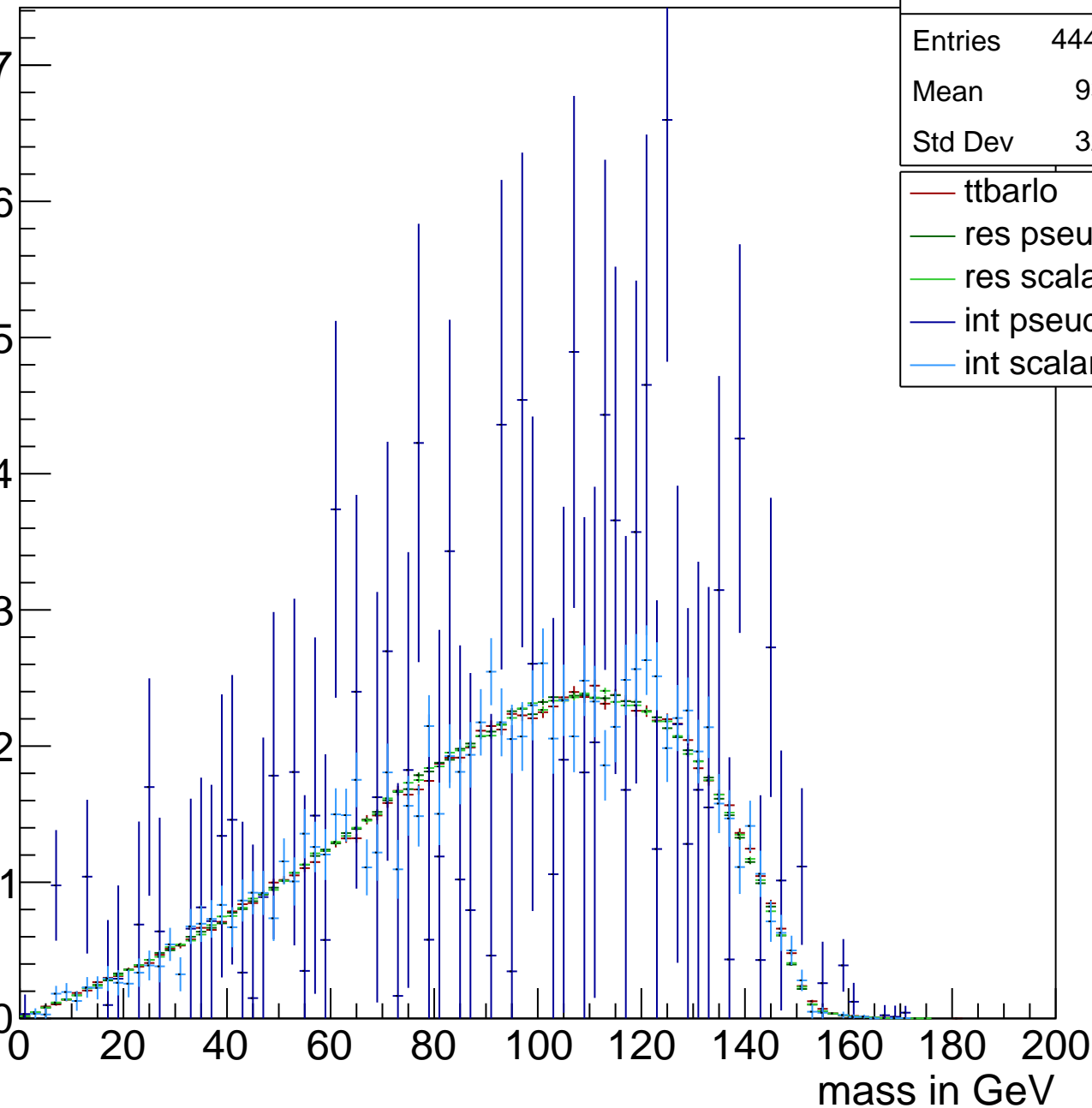
number of events



number of events

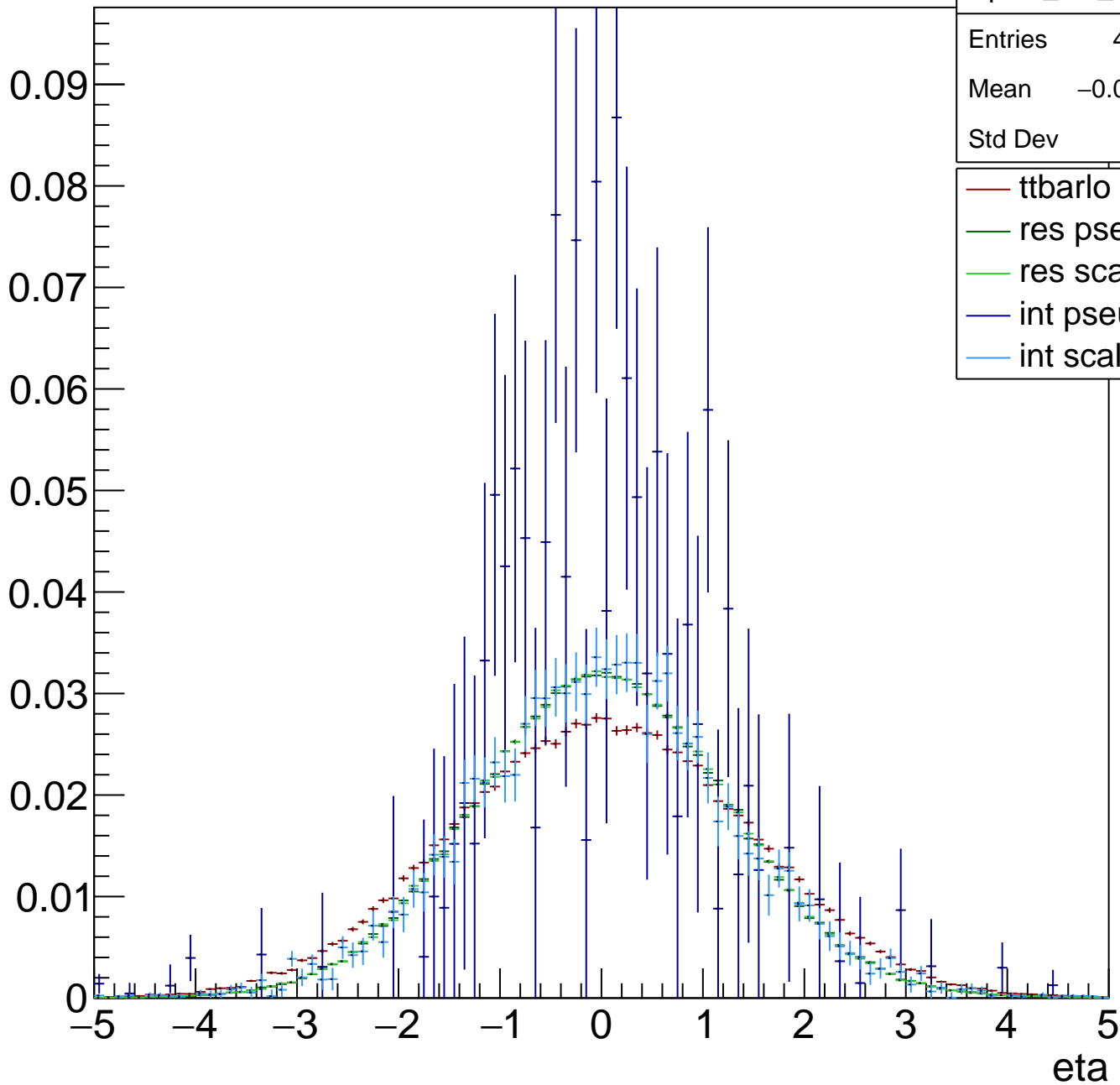
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

lbbar_mass_no_cut	
Entries	444924
Mean	93.64
Std Dev	32.22
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int pseudo</div> <div><div></div>int scalar</div>	

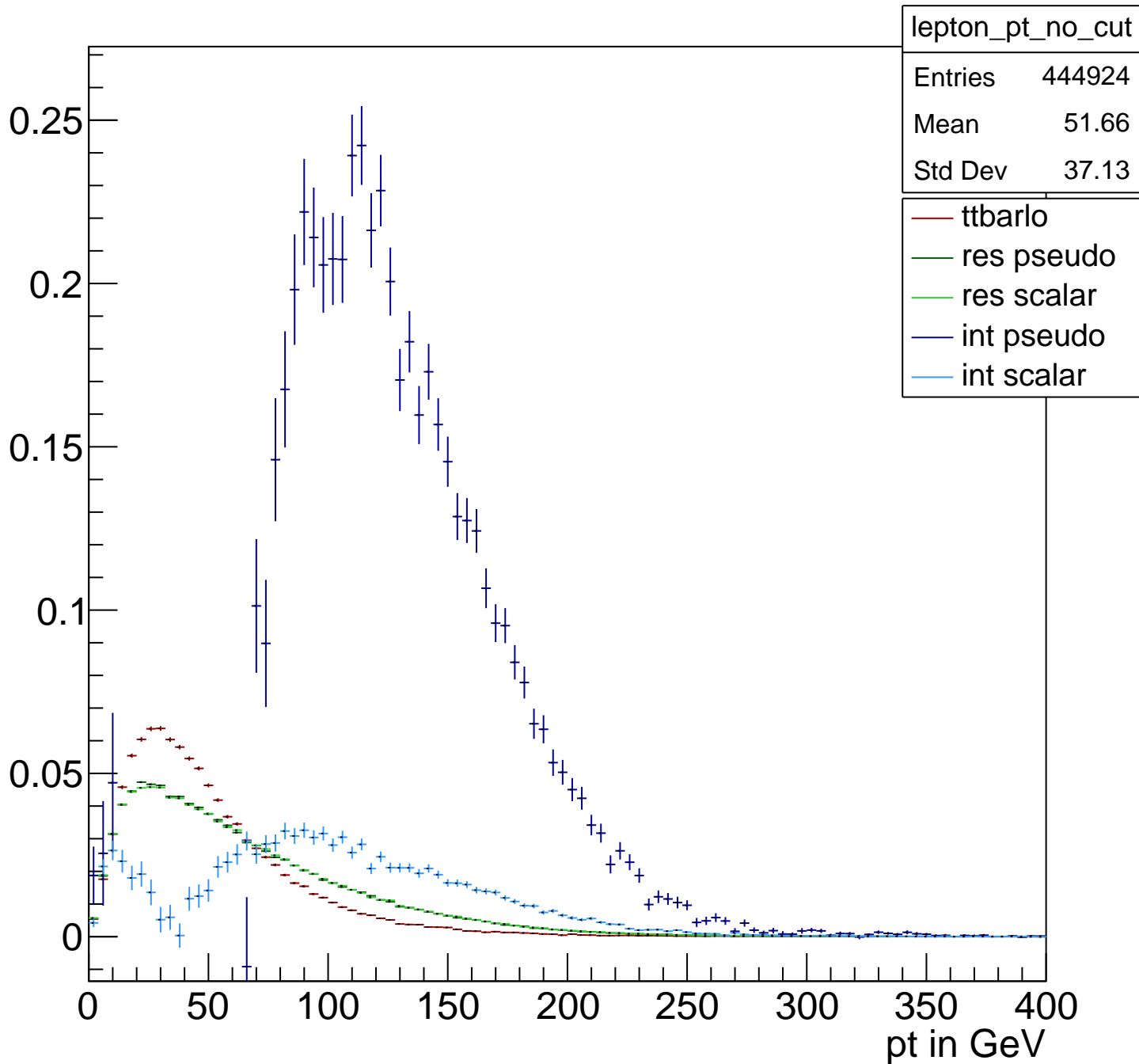


number of events

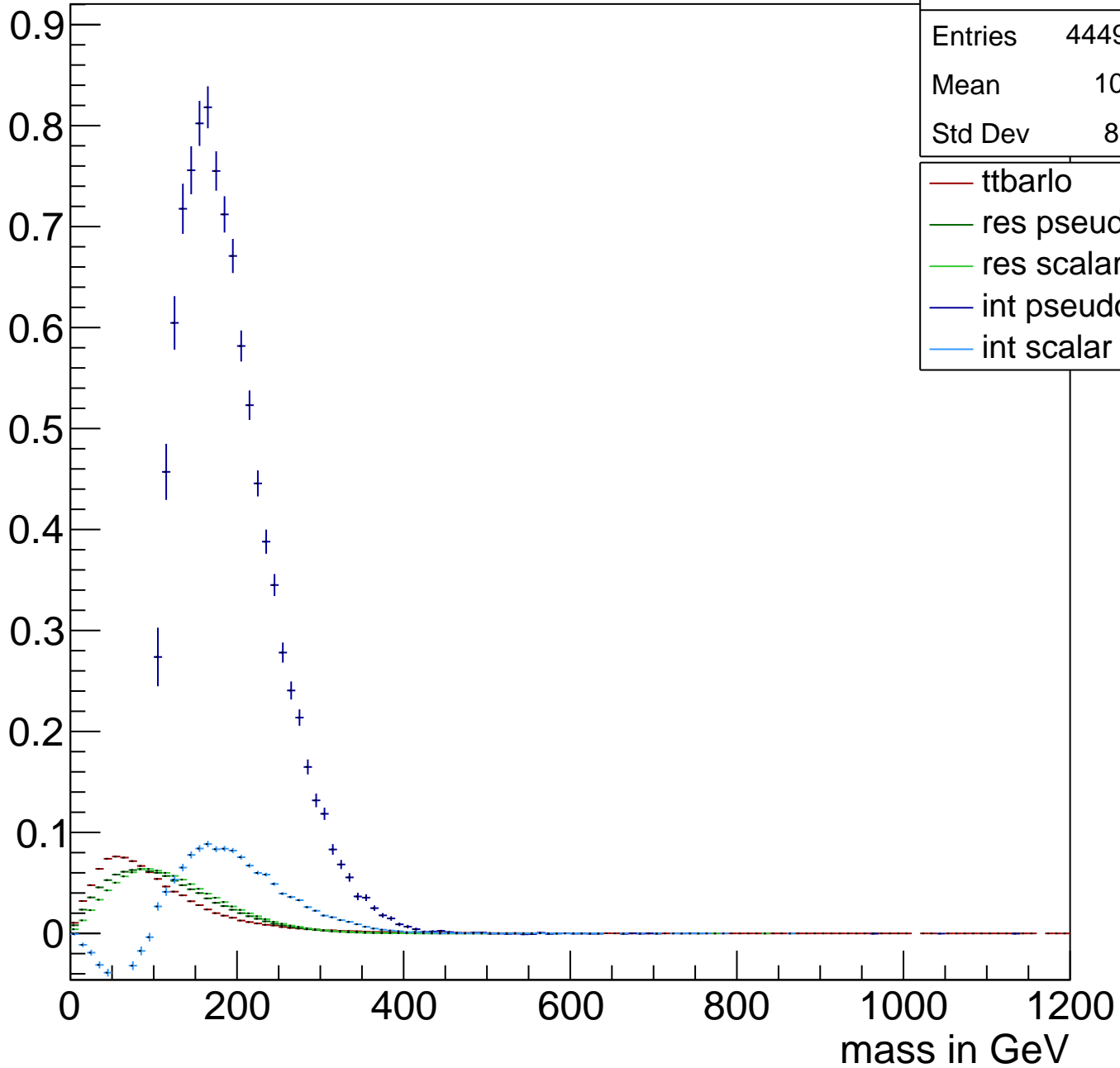
lepton_eta_no_cut	
Entries	444924
Mean	-0.007616
Std Dev	1.442
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int pseudo</div> <div><div></div>int scalar</div>	



number of events



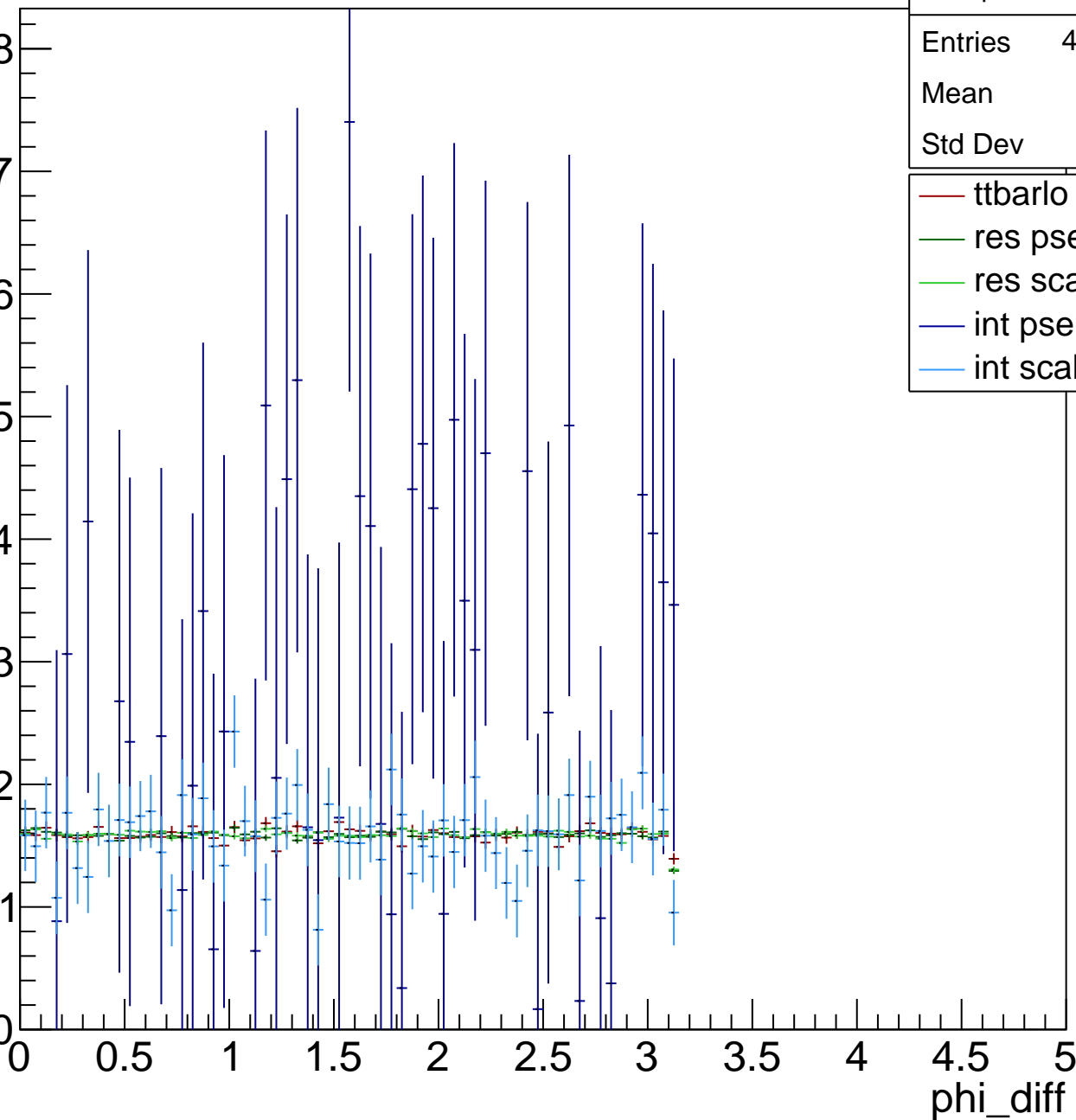
number of events



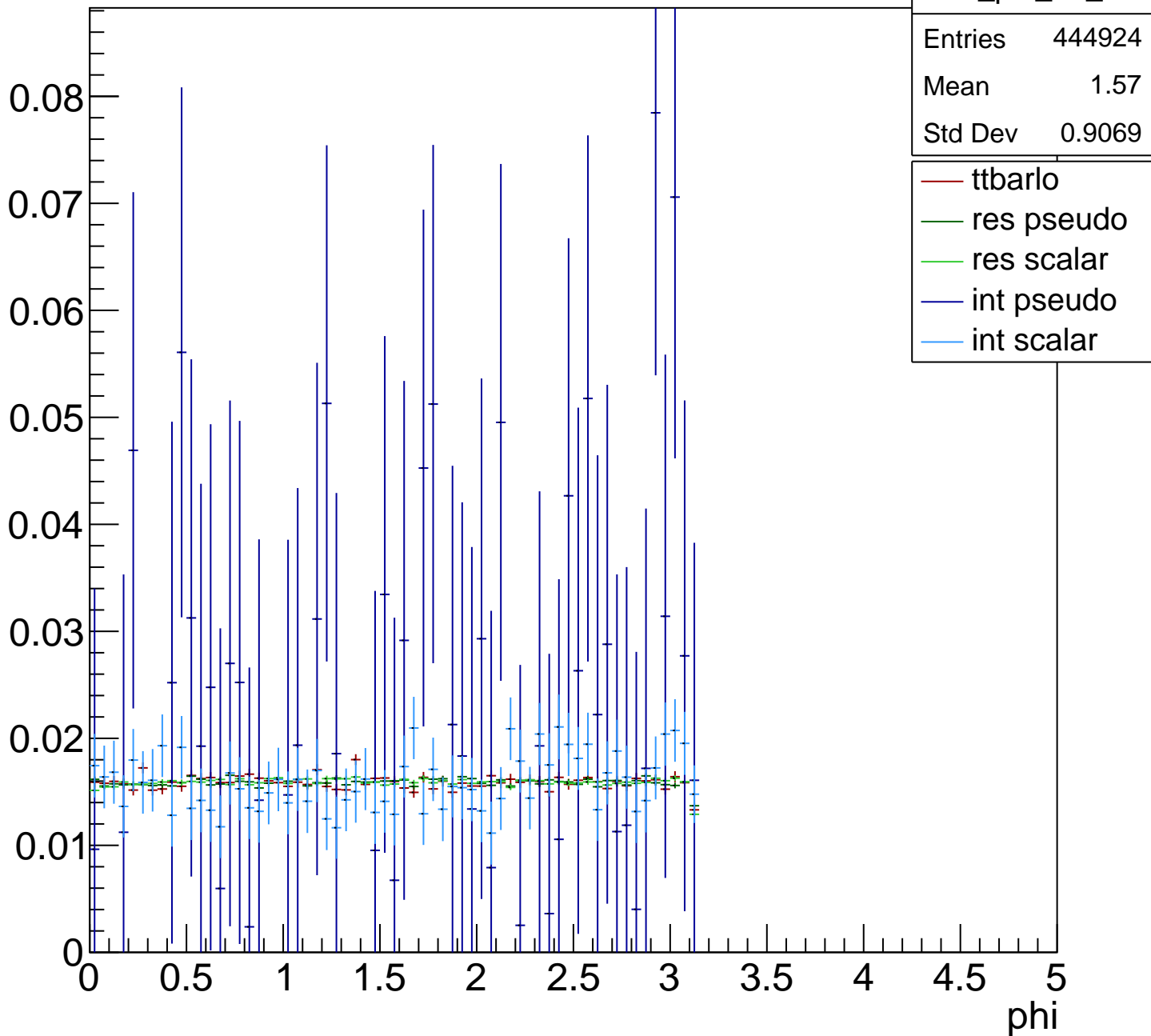
number of events

0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

l1bar_phi_diff_no_cut	
Entries	444924
Mean	1.572
Std Dev	0.908
— ttbarlo	
— res pseudo	
— res scalar	
— int pseudo	
— int scalar	



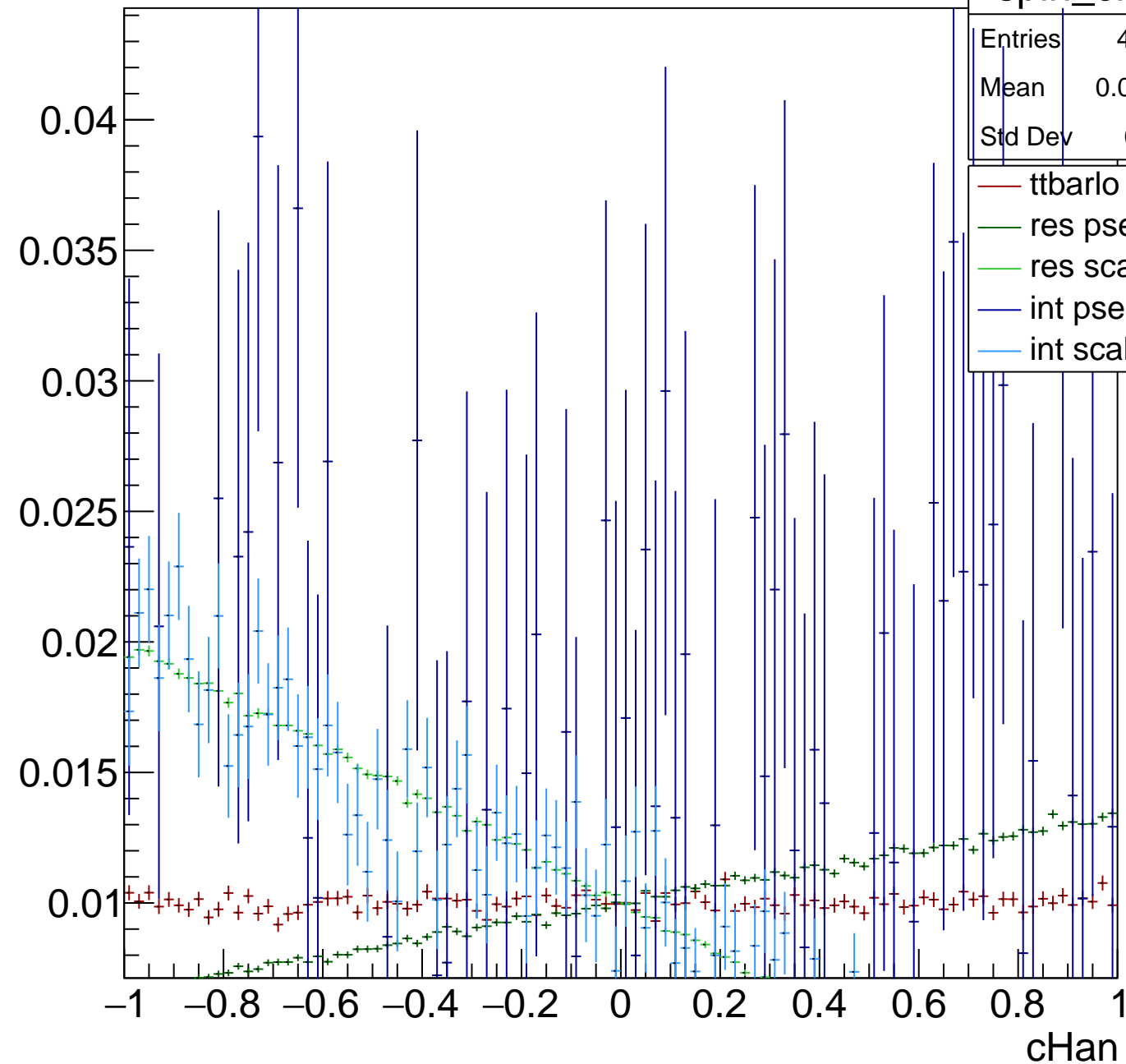
number of events

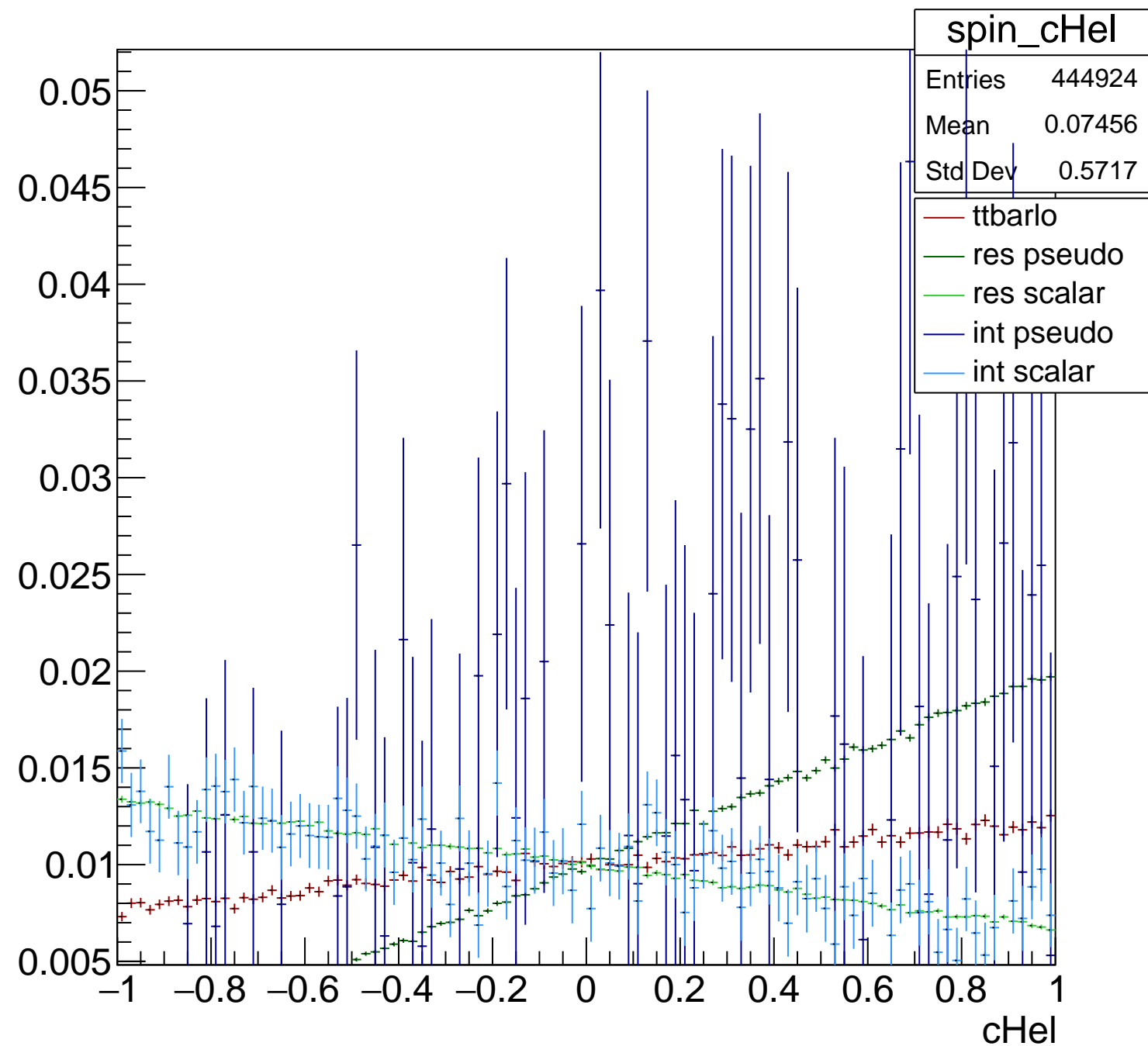


spin_cHan

Entries	444924
Mean	0.002259
Std Dev	0.5777

—	ttbarlo
—	res pseudo
—	res scalar
—	int pseudo
—	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

spin_cLab

Entries 444924

Mean 0.1198

Std Dev 0.6216

— ttbarlo

— res pseudo

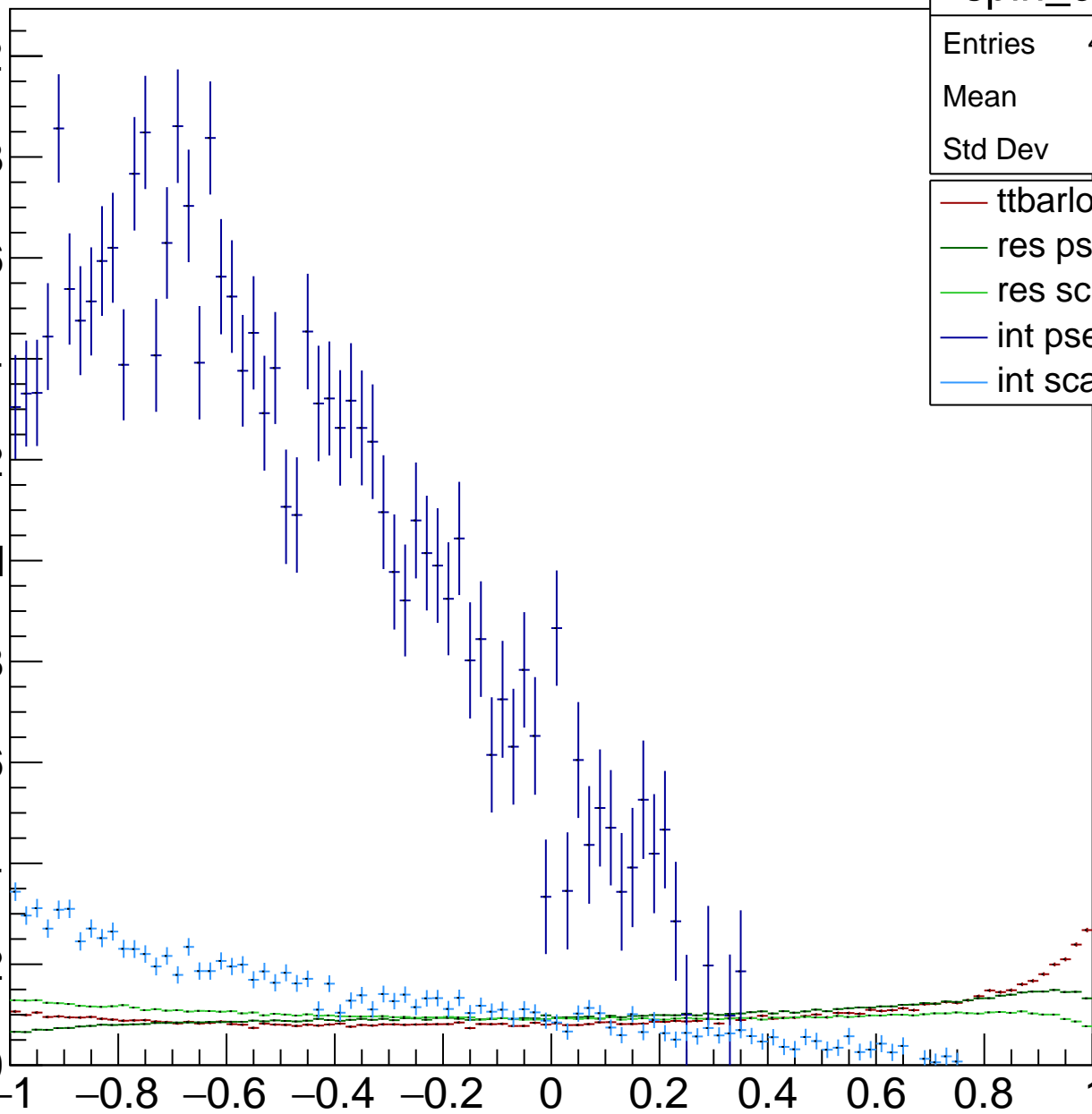
— res scalar

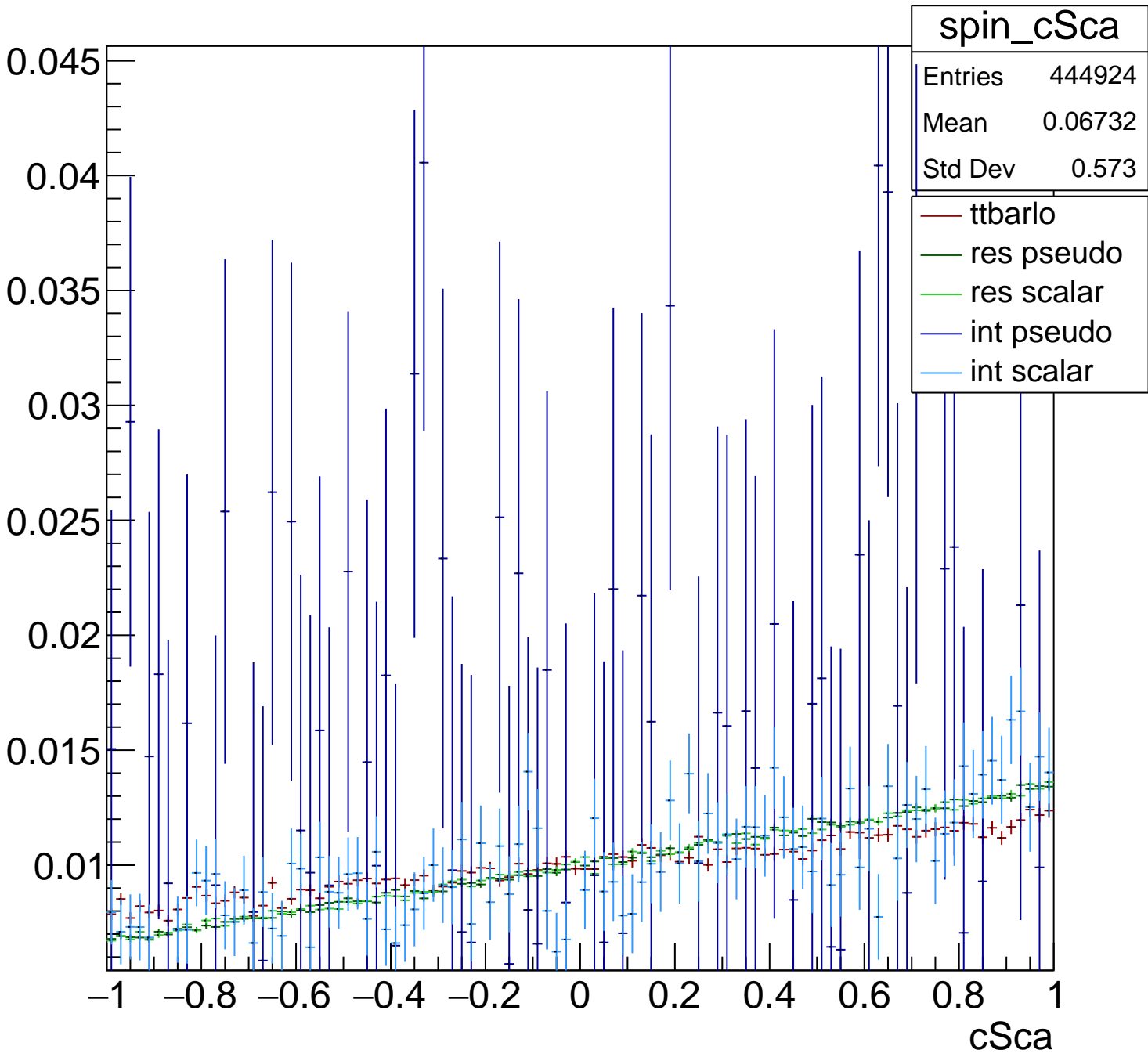
— int pseudo

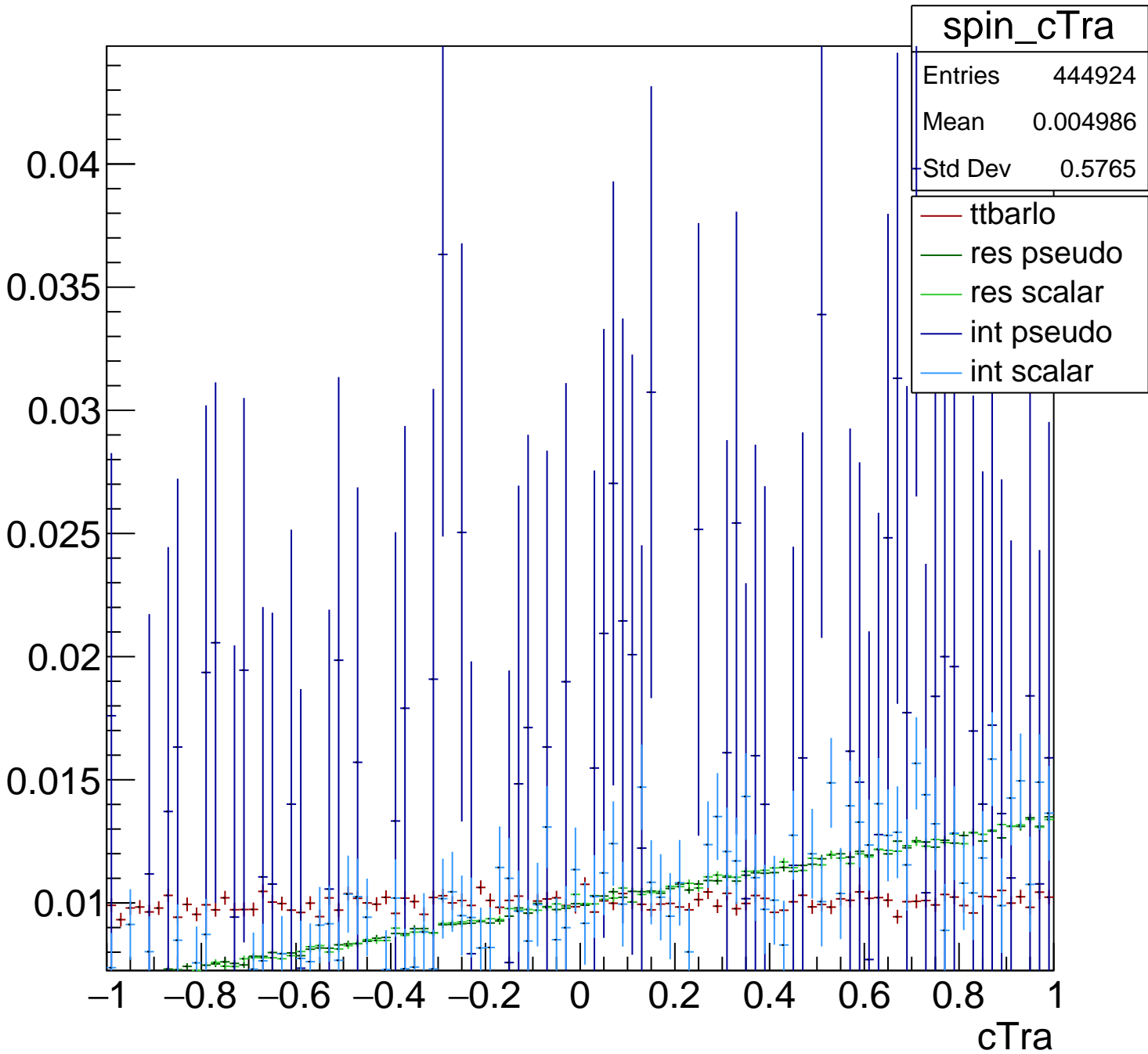
— int scalar

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

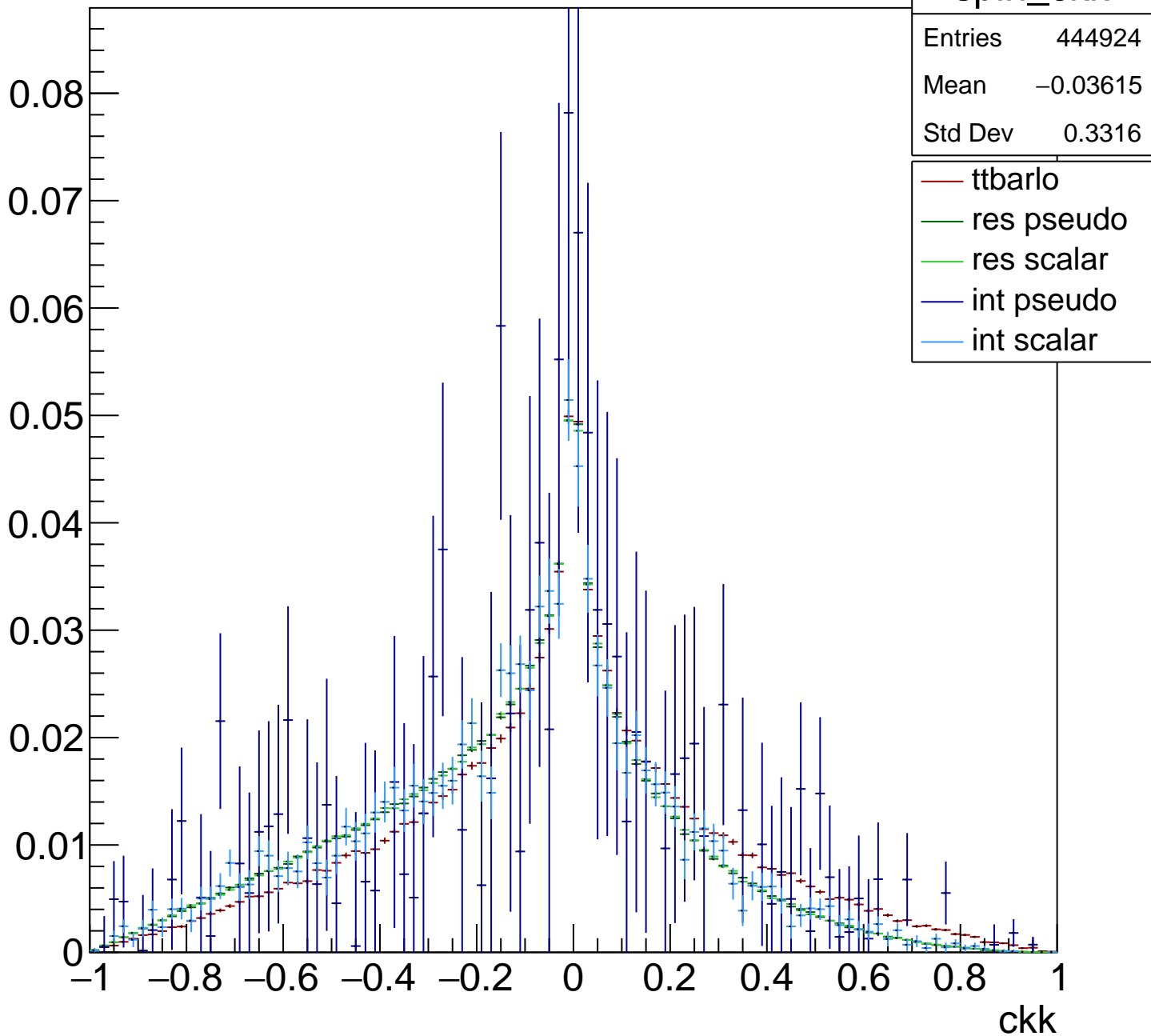
cLab



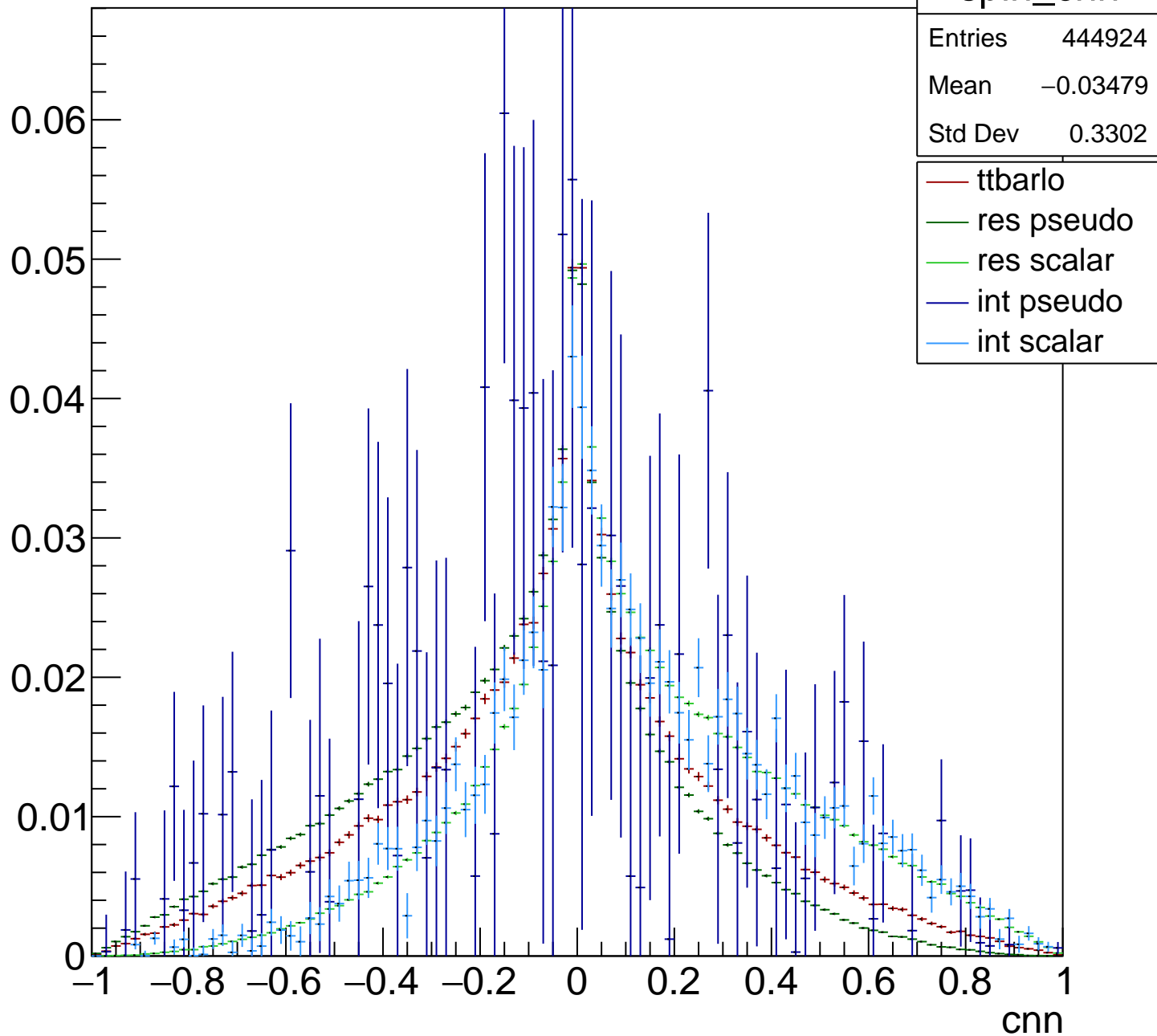




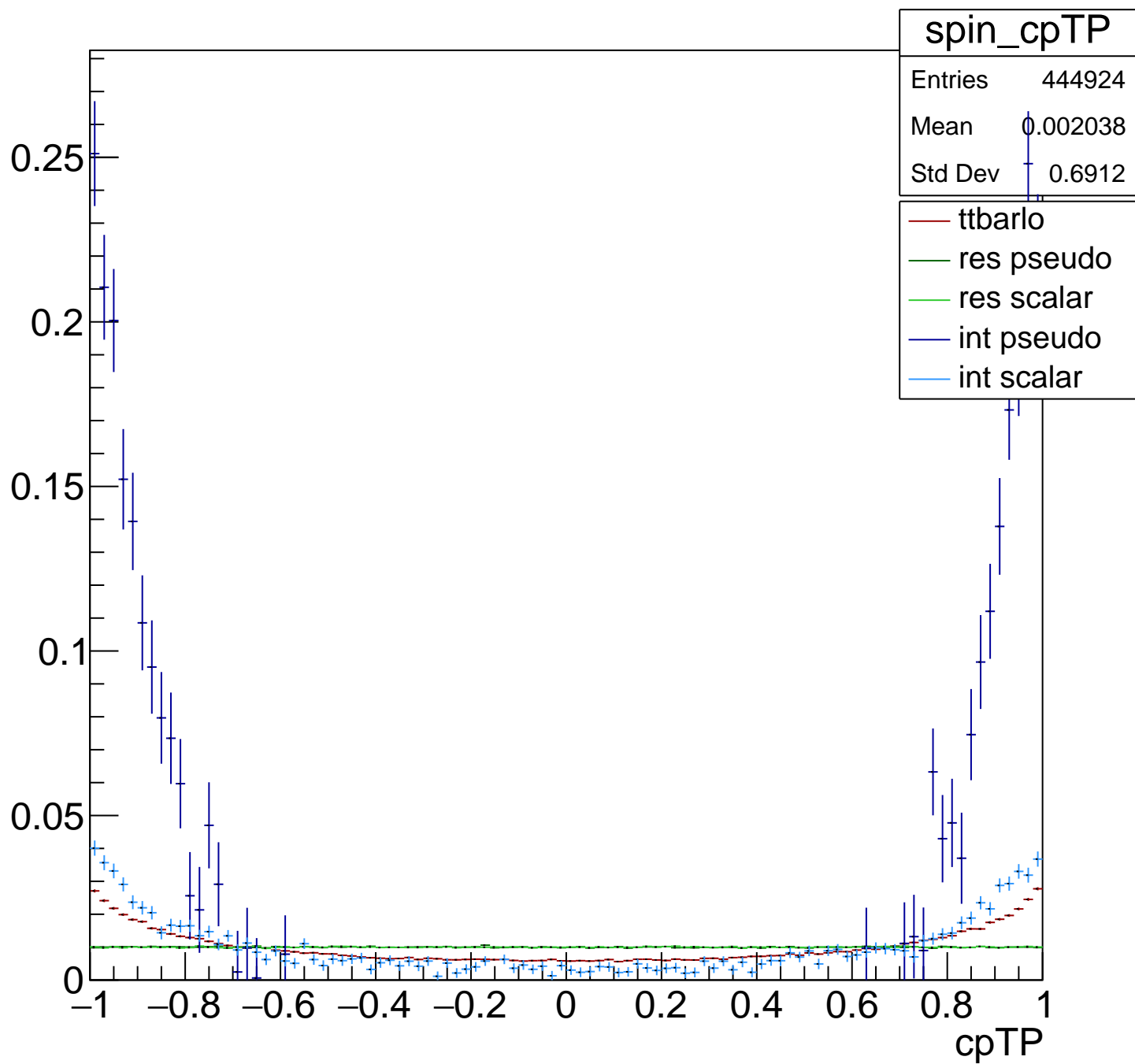
number of events

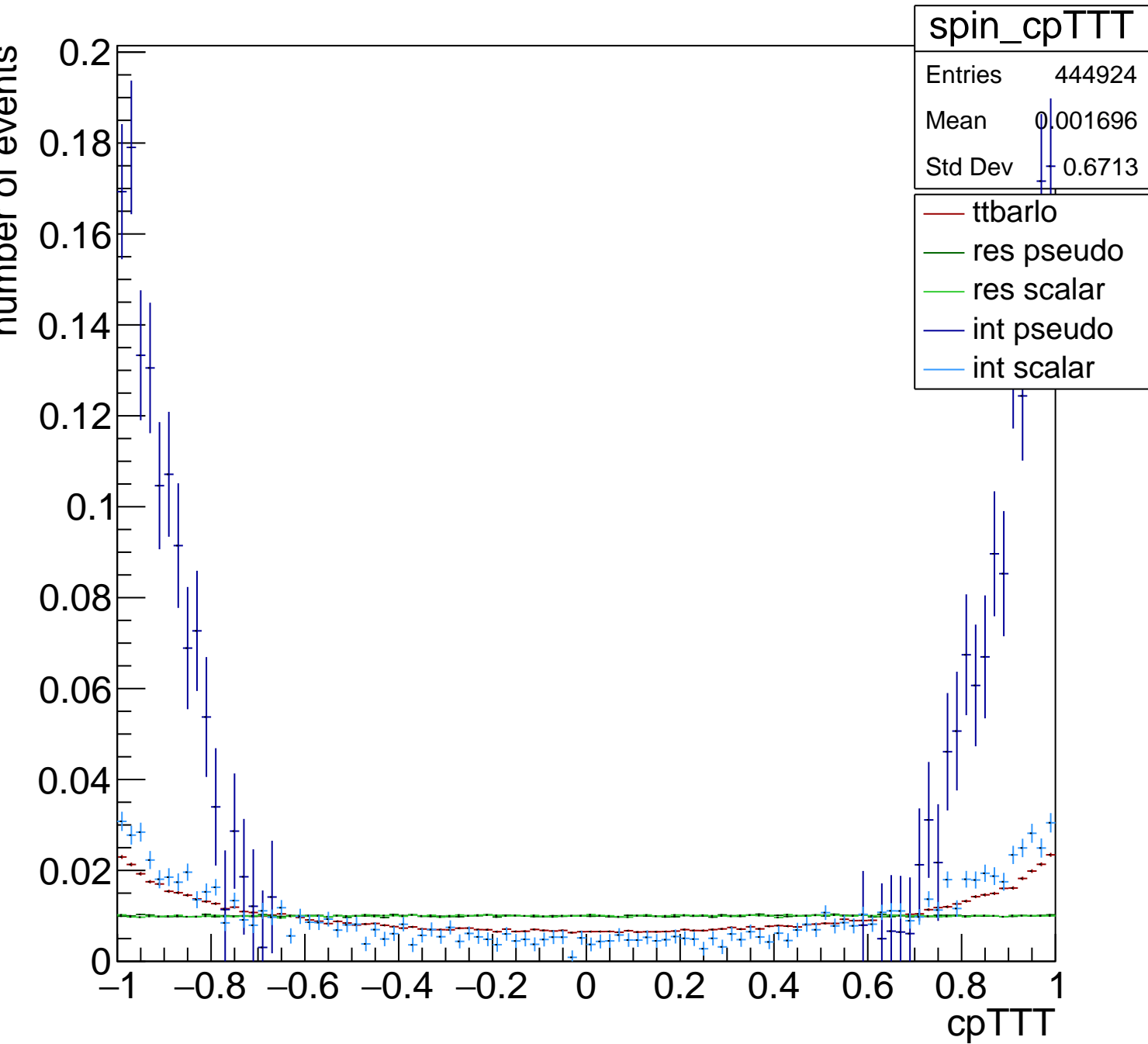


number of events

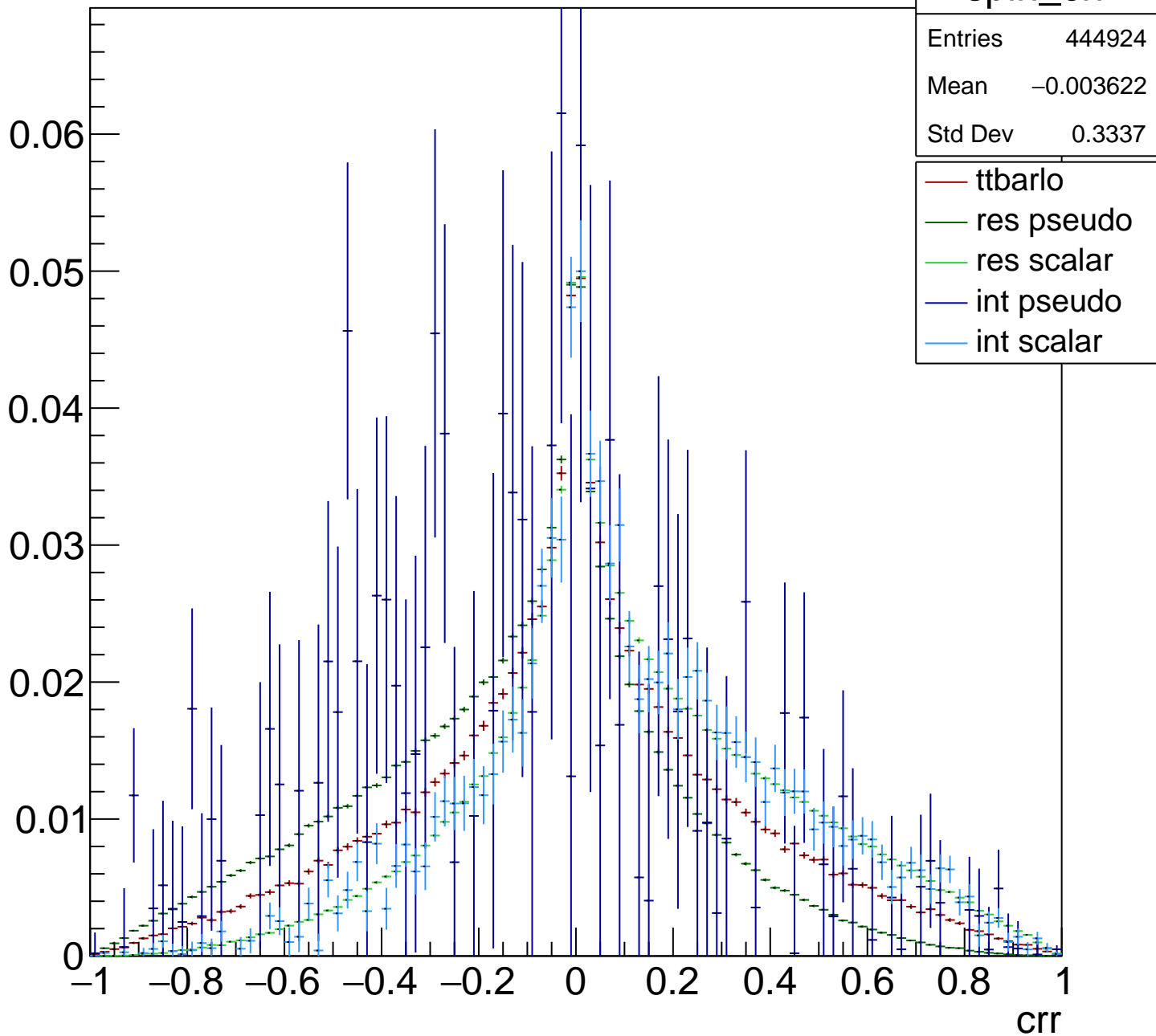


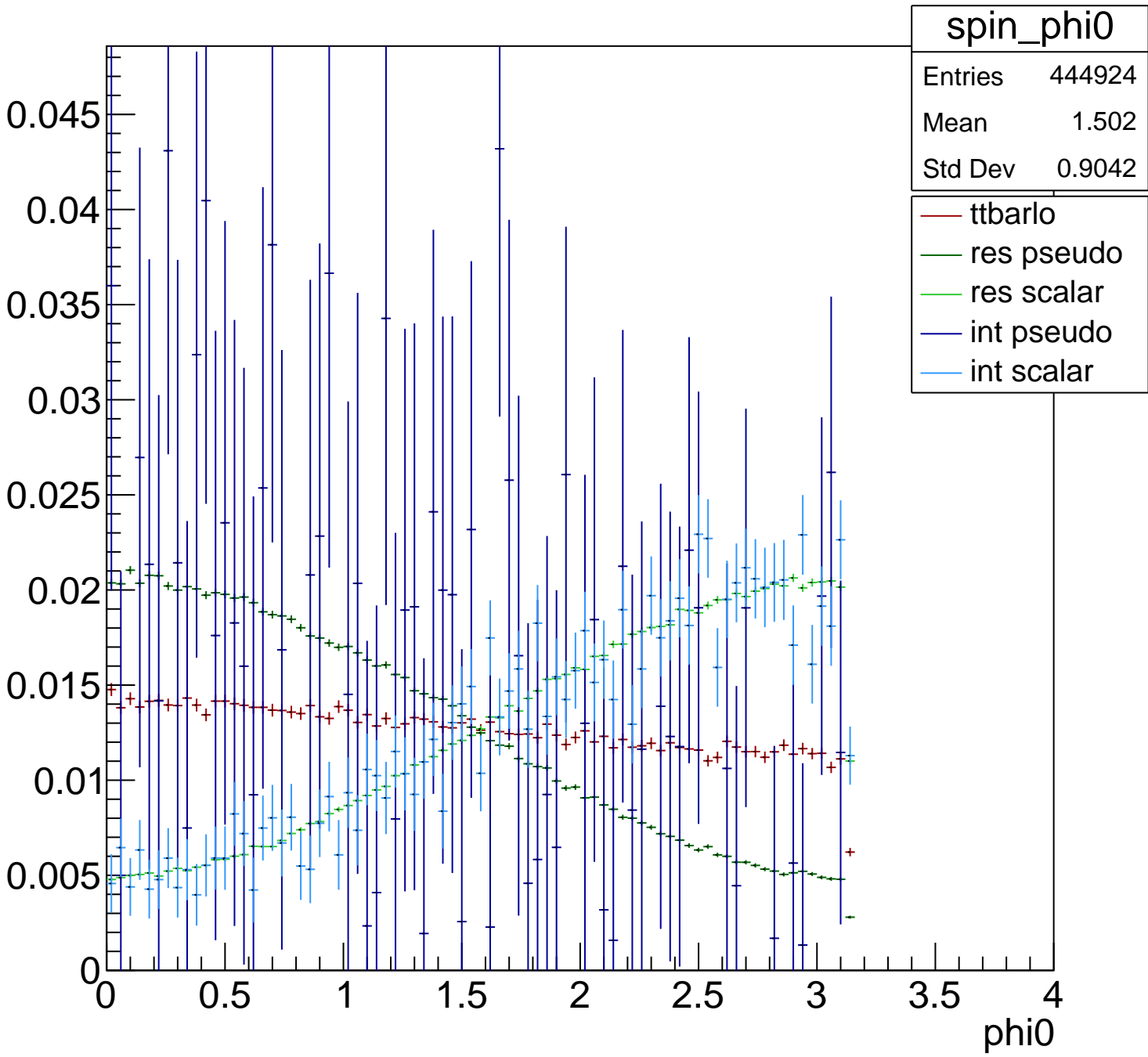
number of events

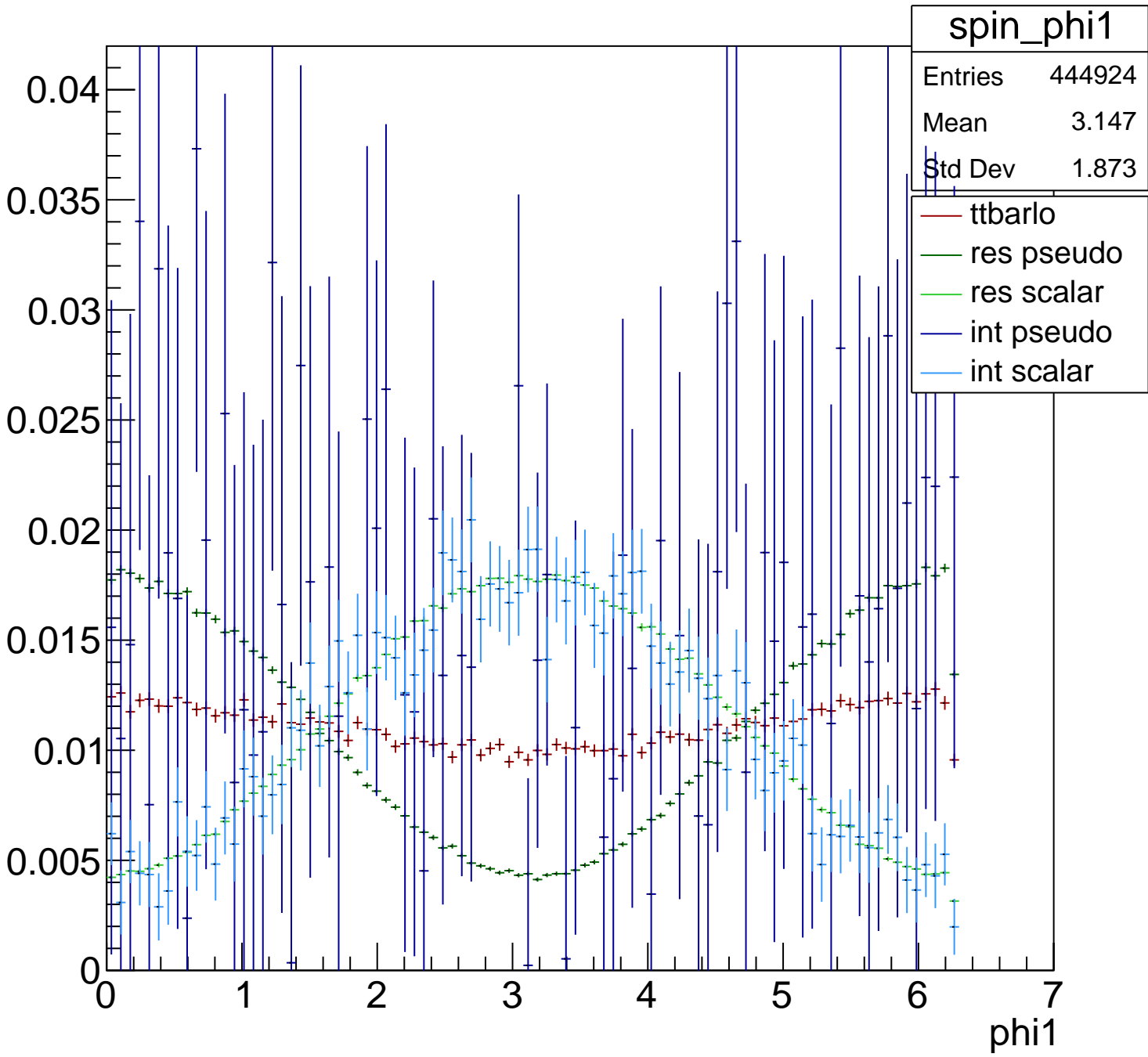




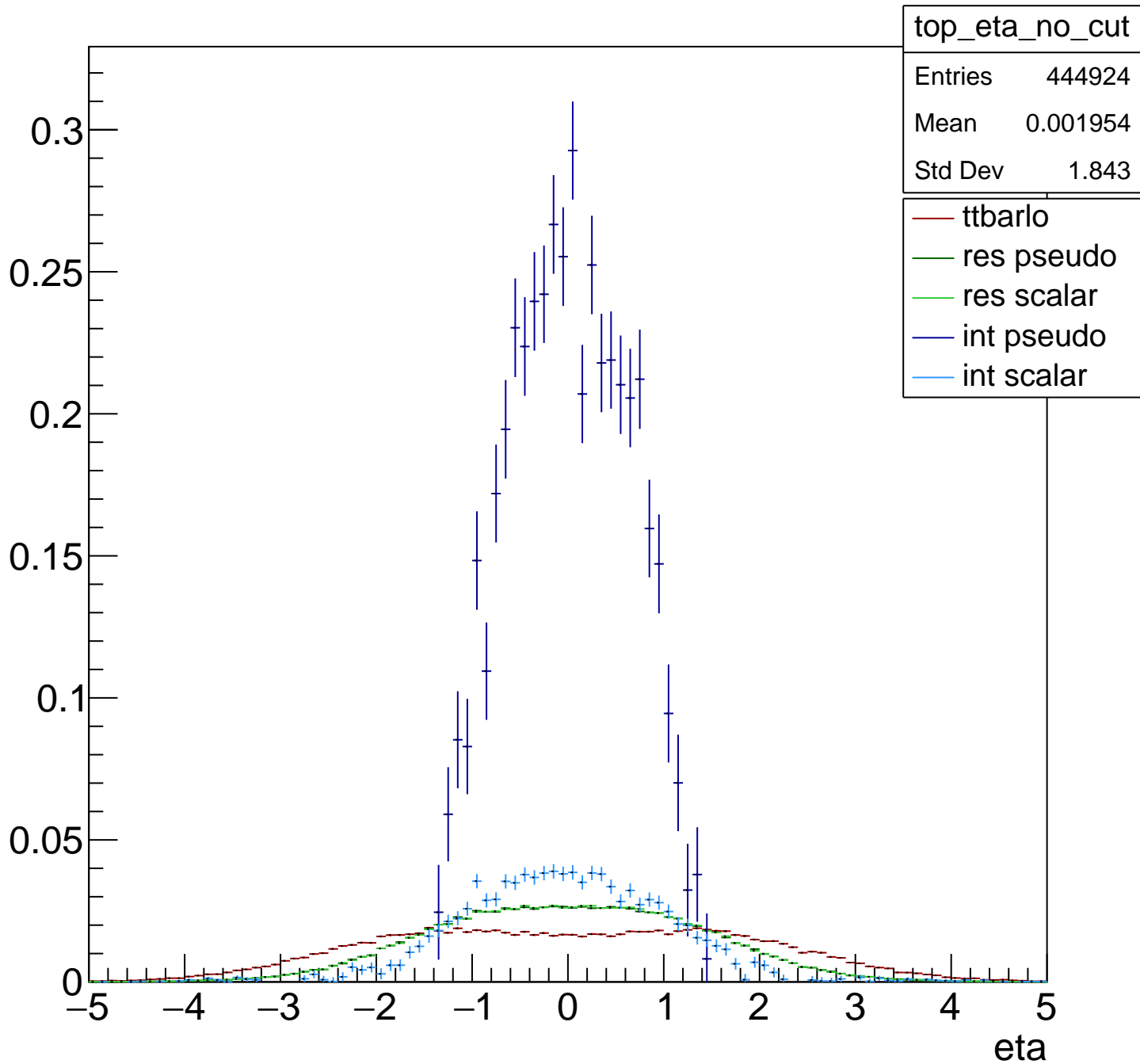
number of events

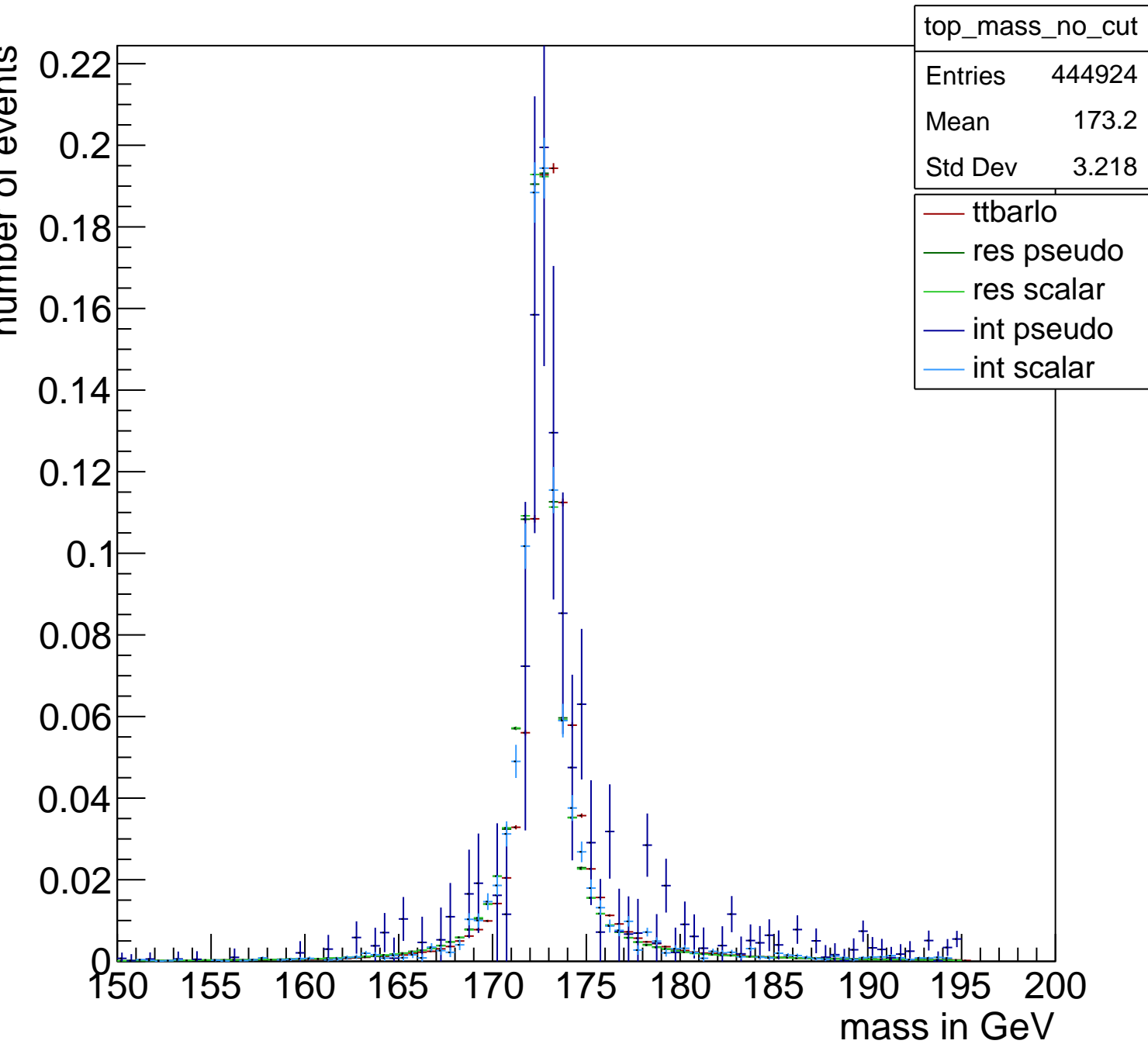




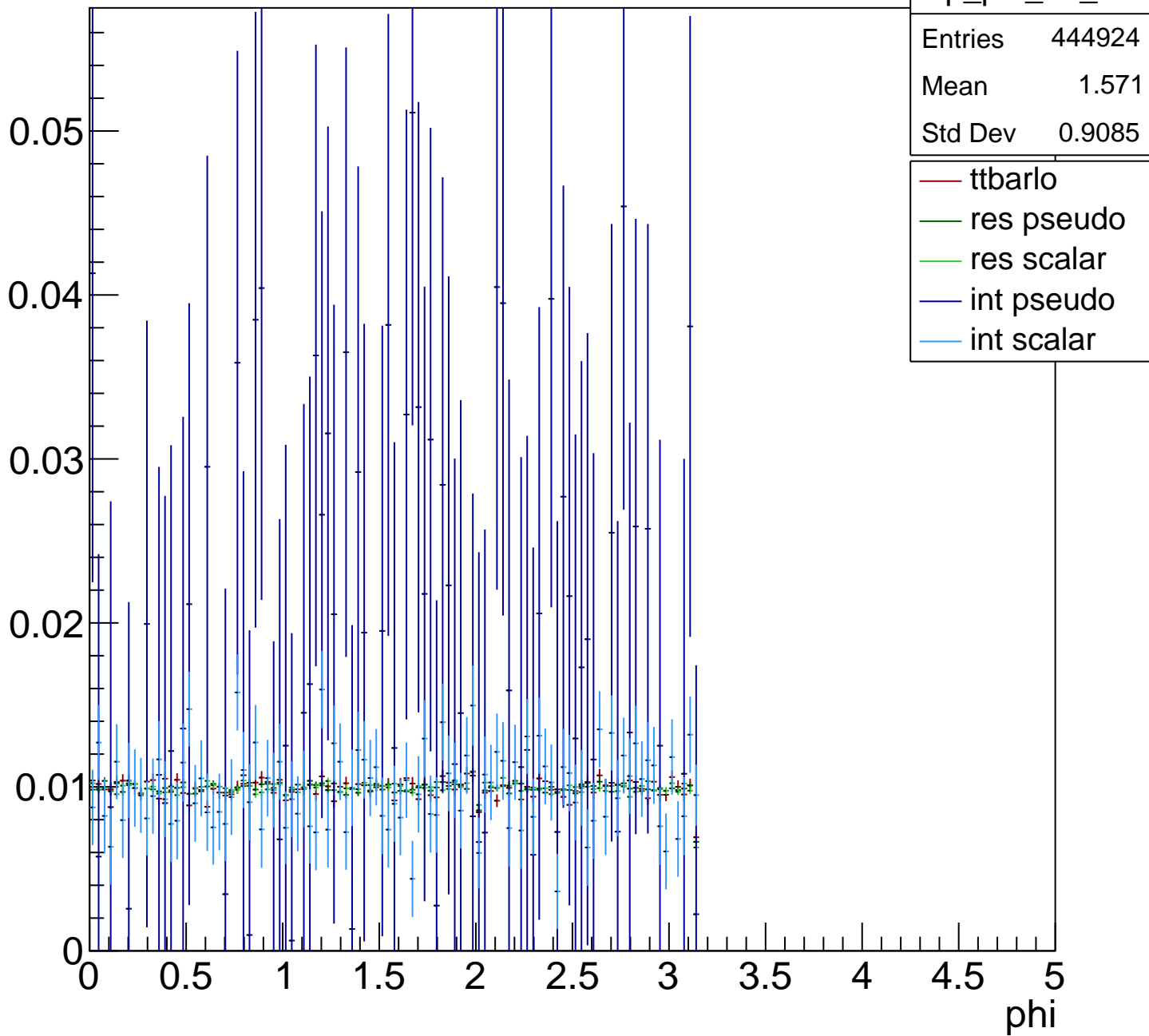


number of events





number of events



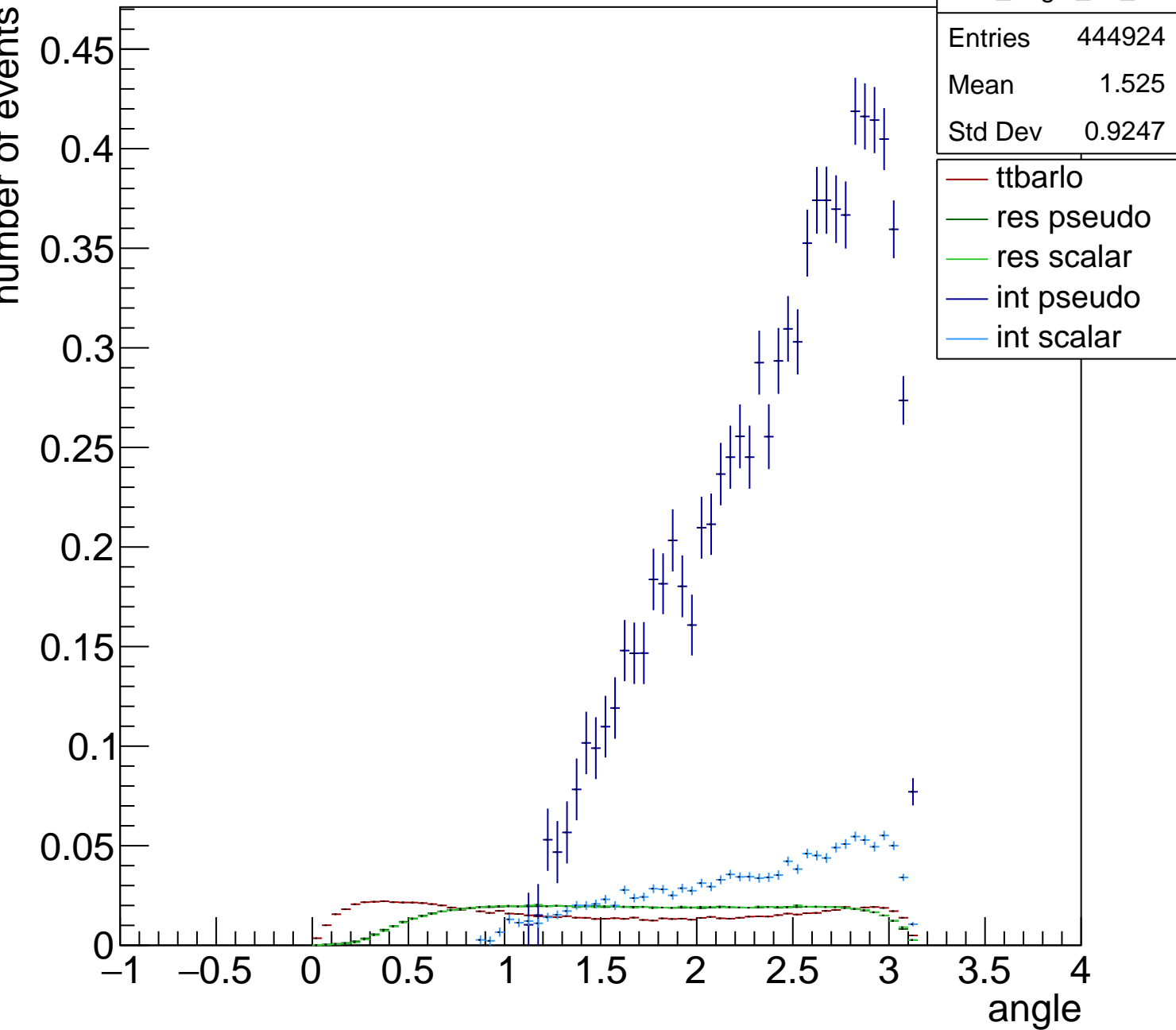
number of events

0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

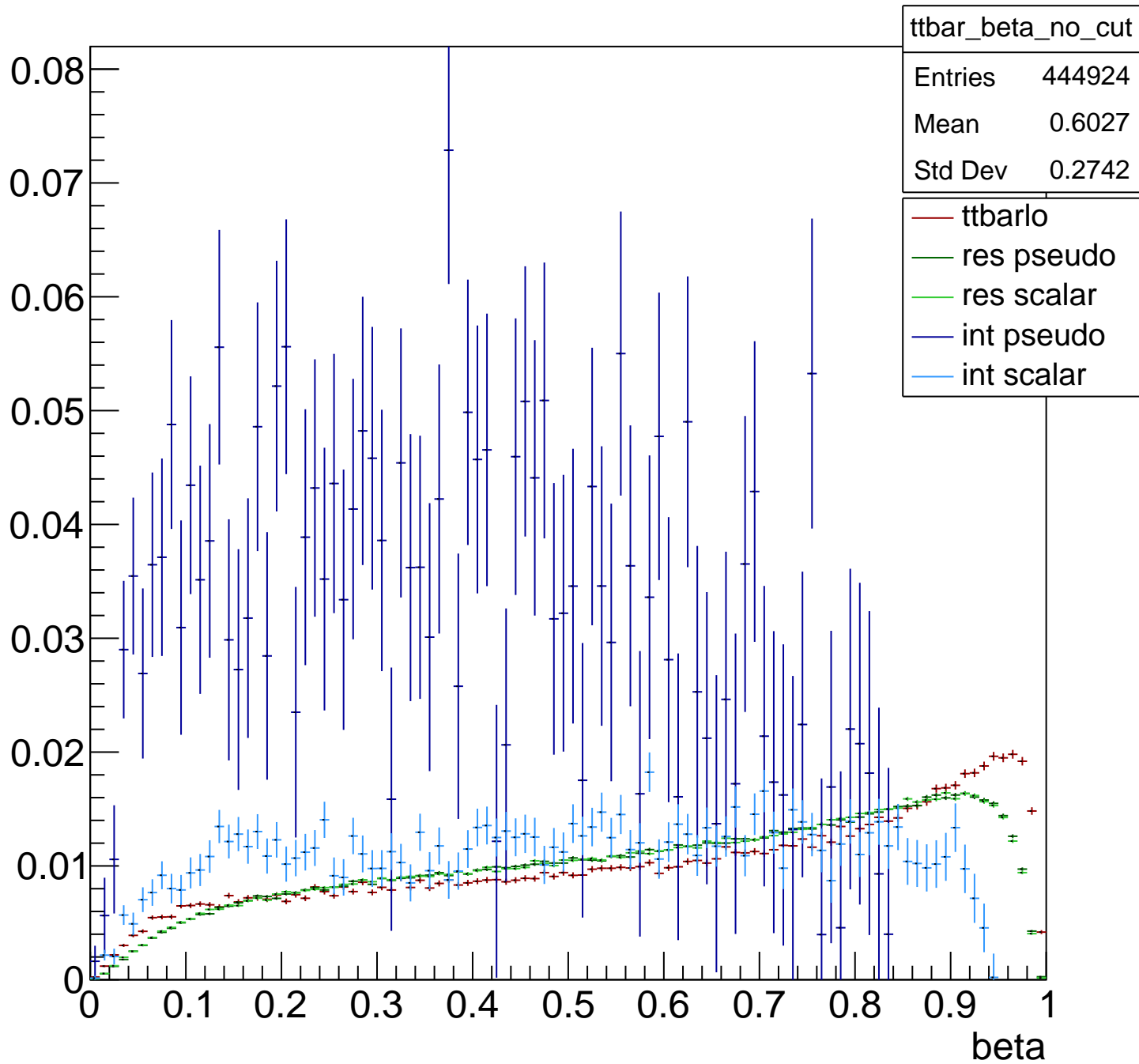
ttbar_angle_no_cut	
Entries	444924
Mean	1.525
Std Dev	0.9247

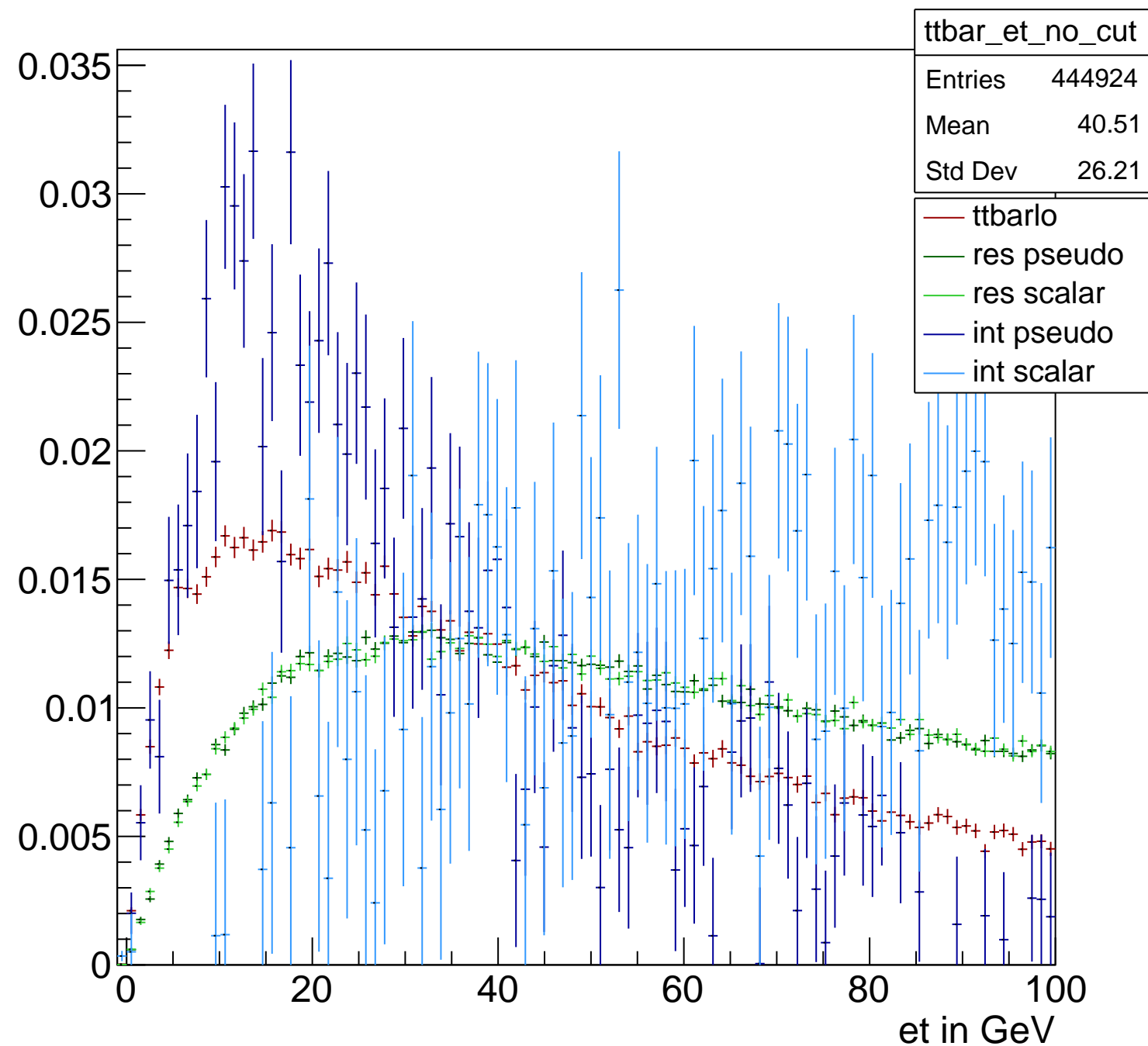
— ttbarlo
— res pseudo
— res scalar
— int pseudo
— int scalar

angle



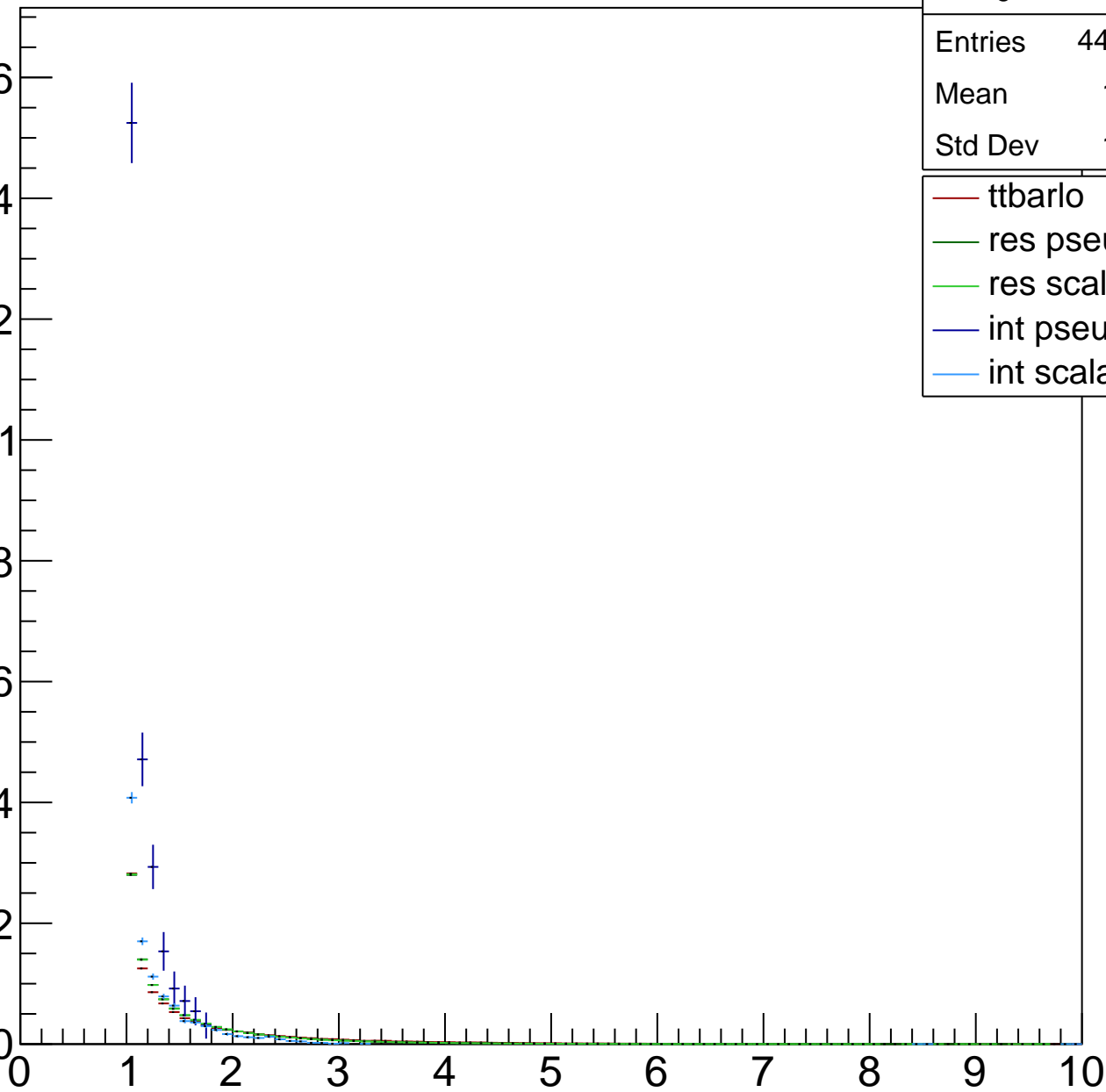
number of events





number of events

1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0



ttbar_gamma_no_cut	
Entries	444924
Mean	1.699
Std Dev	1.006

—	ttbarlo
—	res pseudo
—	res scalar
—	int pseudo
—	int scalar

gamma

number of events

10

8

6

4

2

0

400

600

800

1000

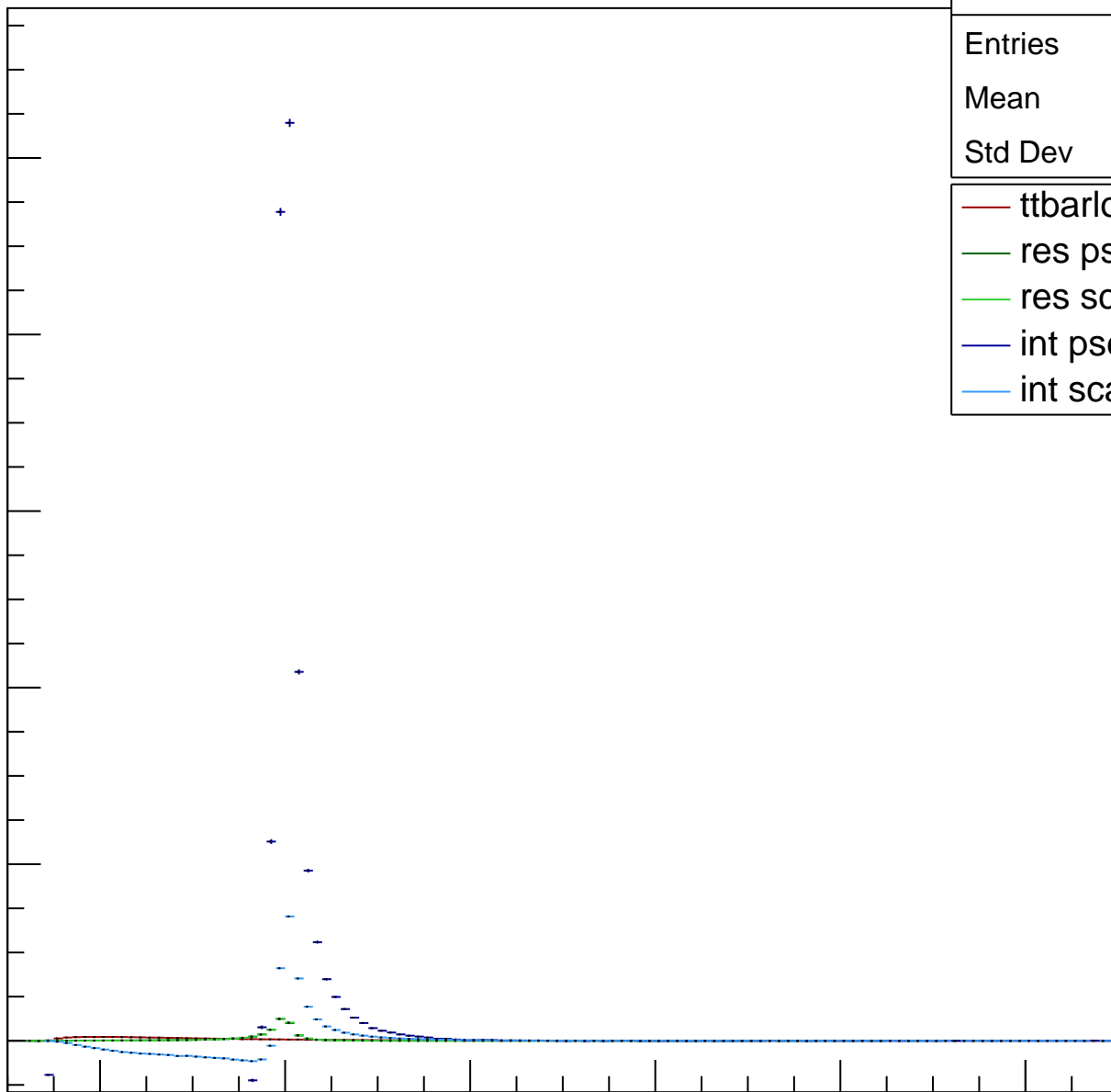
1200

1400

mass_2 in GeV

ttbar_mass_2_no_cut	
Entries	444924
Mean	525.5
Std Dev	163.8

—	ttbarlo
—	res pseudo
—	res scalar
—	int pseudo
—	int scalar



number of events

10

8

6

4

2

0

400

600

800

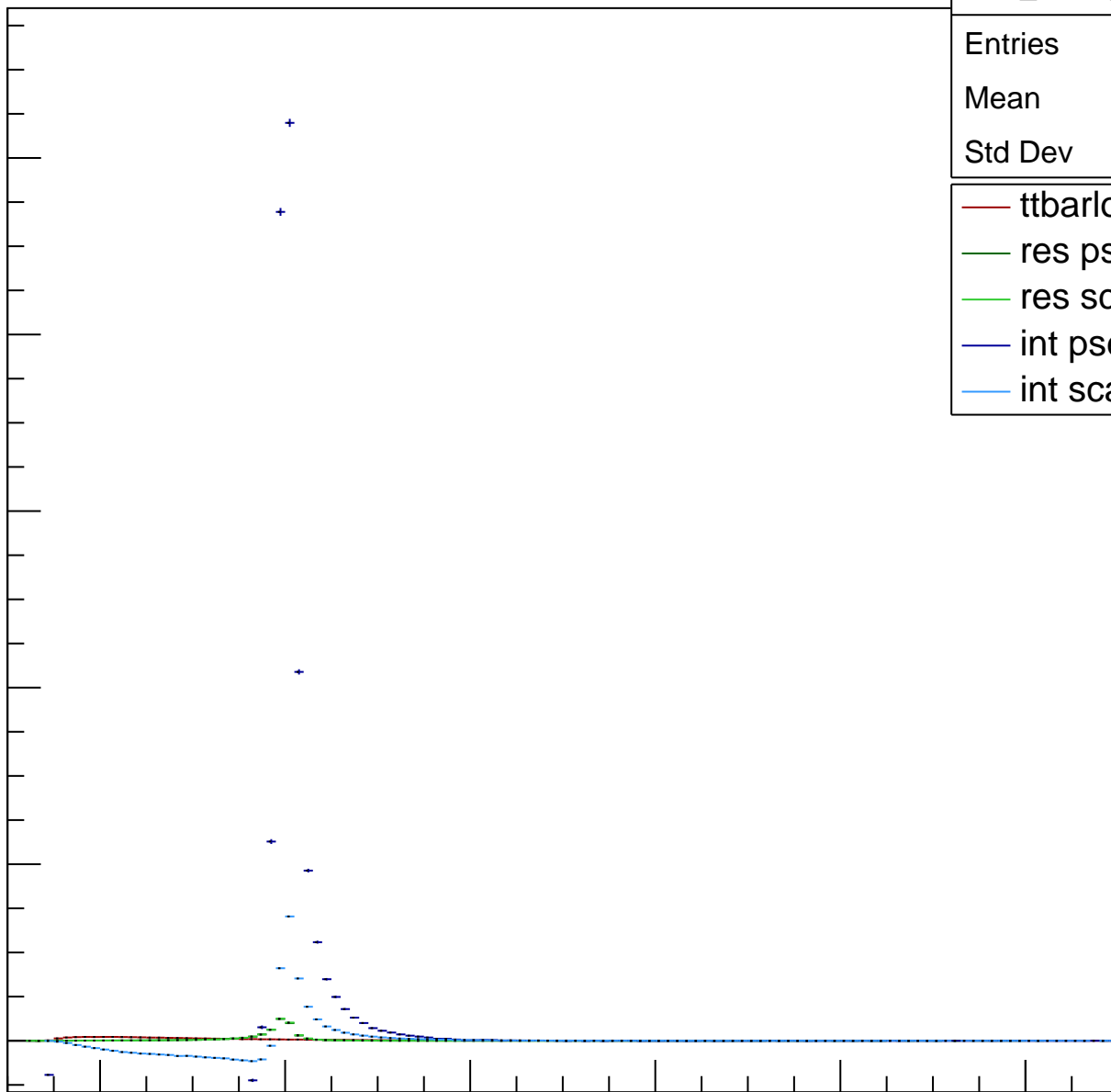
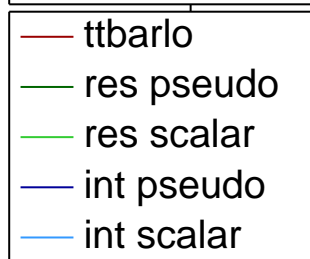
1000

1200

1400

mass in GeV

ttbar_mass_no_cut	
Entries	444924
Mean	525.5
Std Dev	163.8



number of events

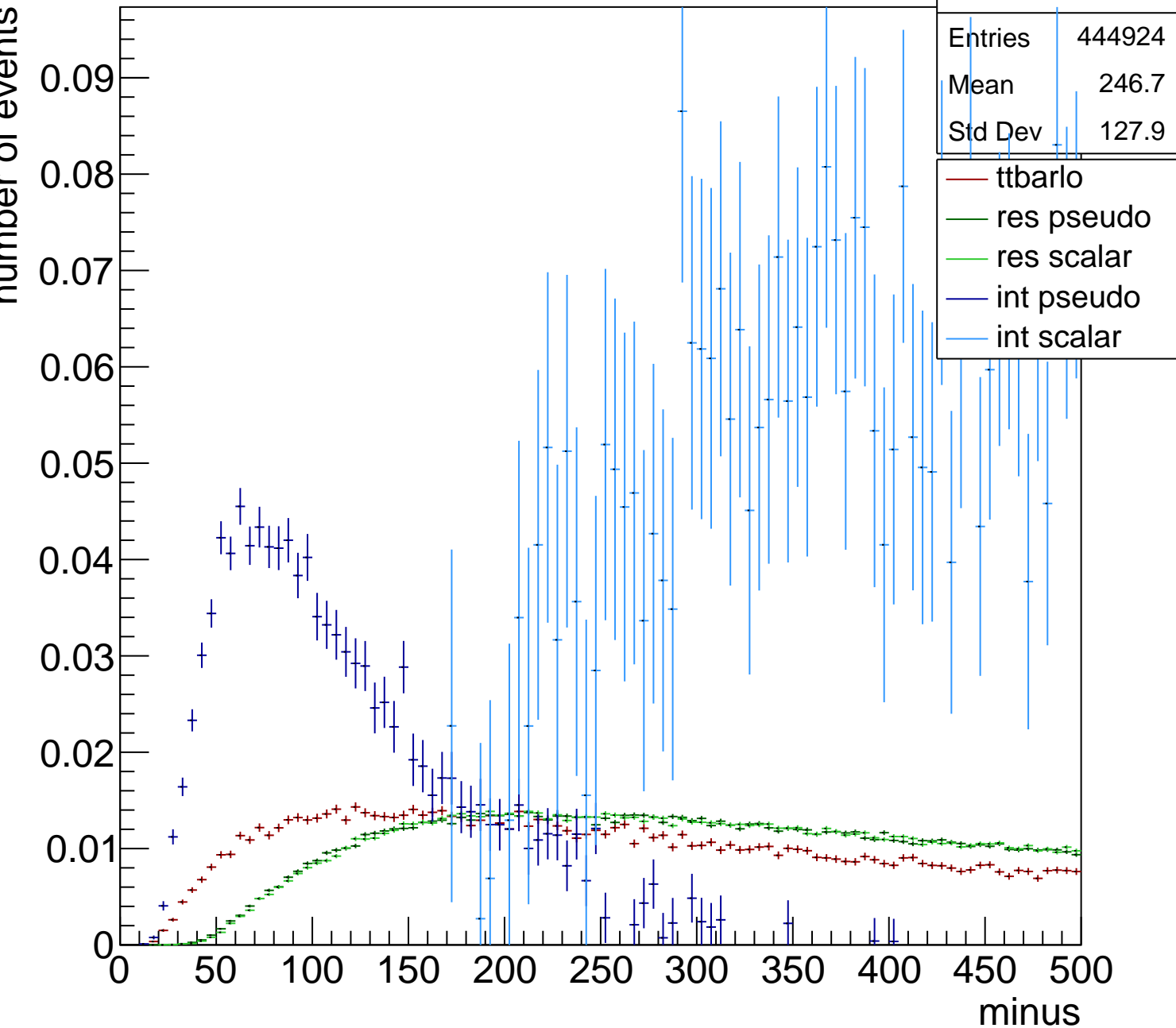
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

ttbar_minus_no_cut	
Entries	444924
Mean	246.7
Std Dev	127.9

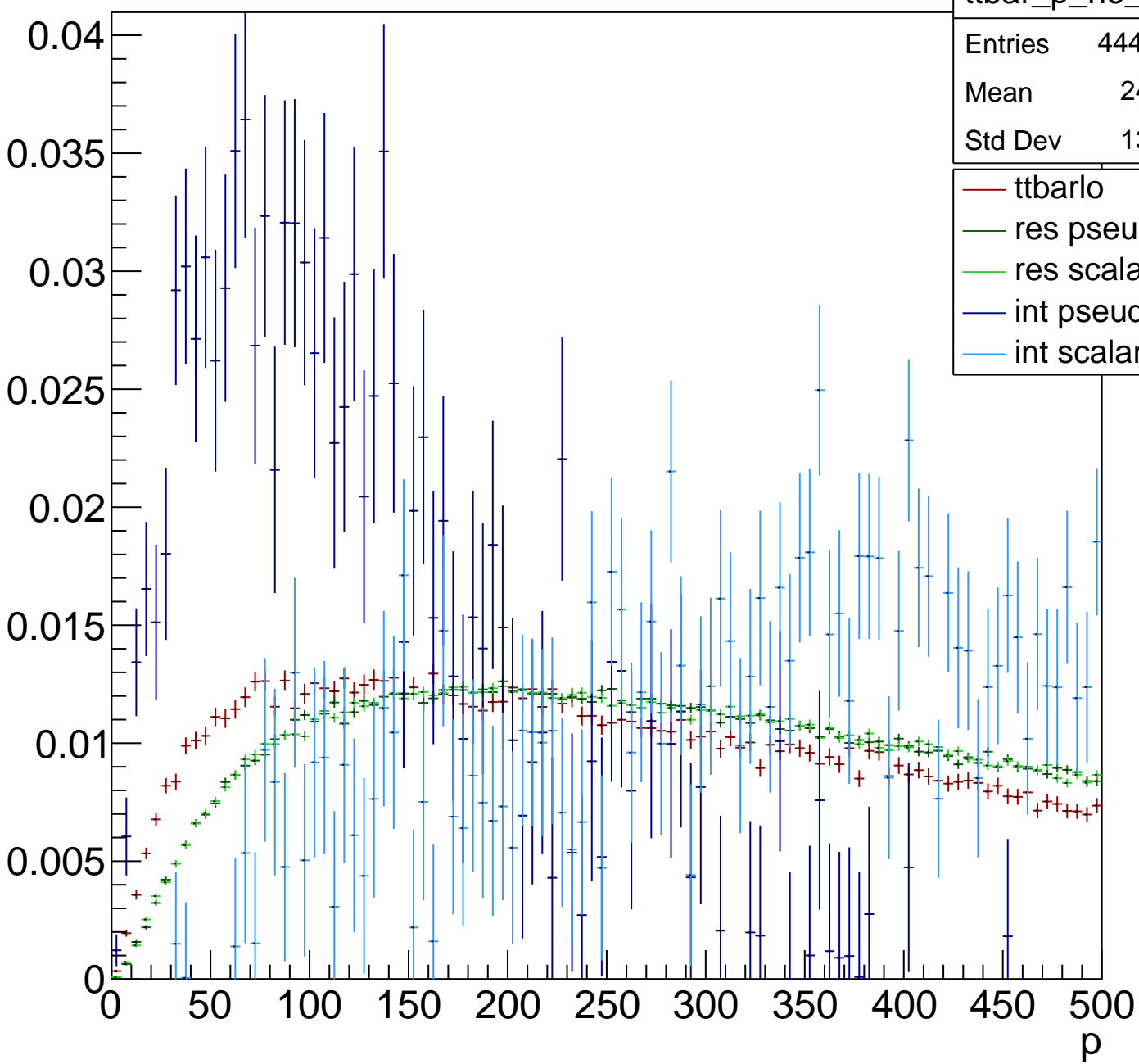
— ttbarlo
— res pseudo
— res scalar
— int pseudo
— int scalar

0 50 100 150 200 250 300 350 400 450 500

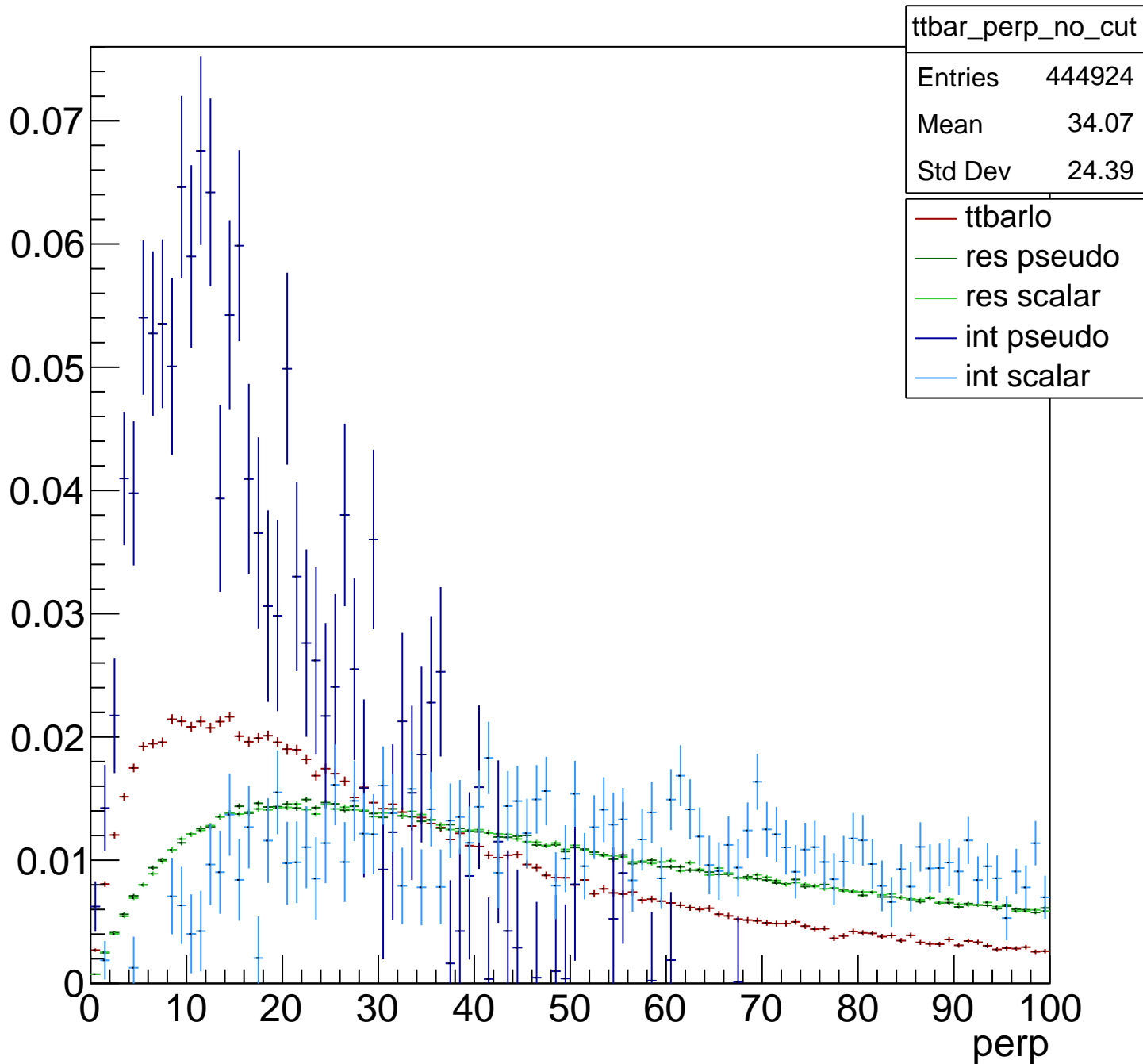
minus



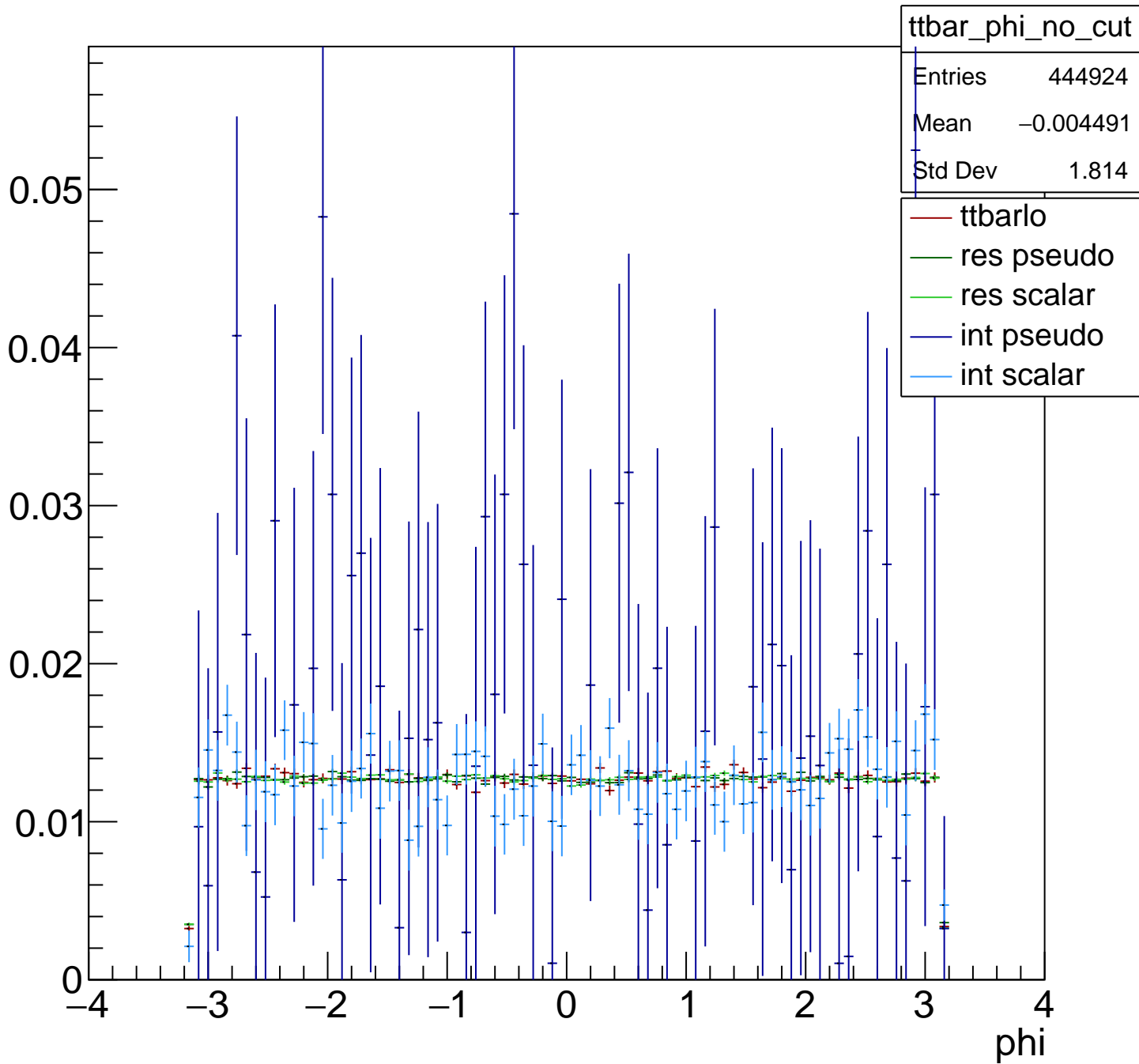
ttbar_p_no_cut	
Entries	444924
Mean	240.5
Std Dev	133.6
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int pseudo</div> <div><div></div>int scalar</div>	

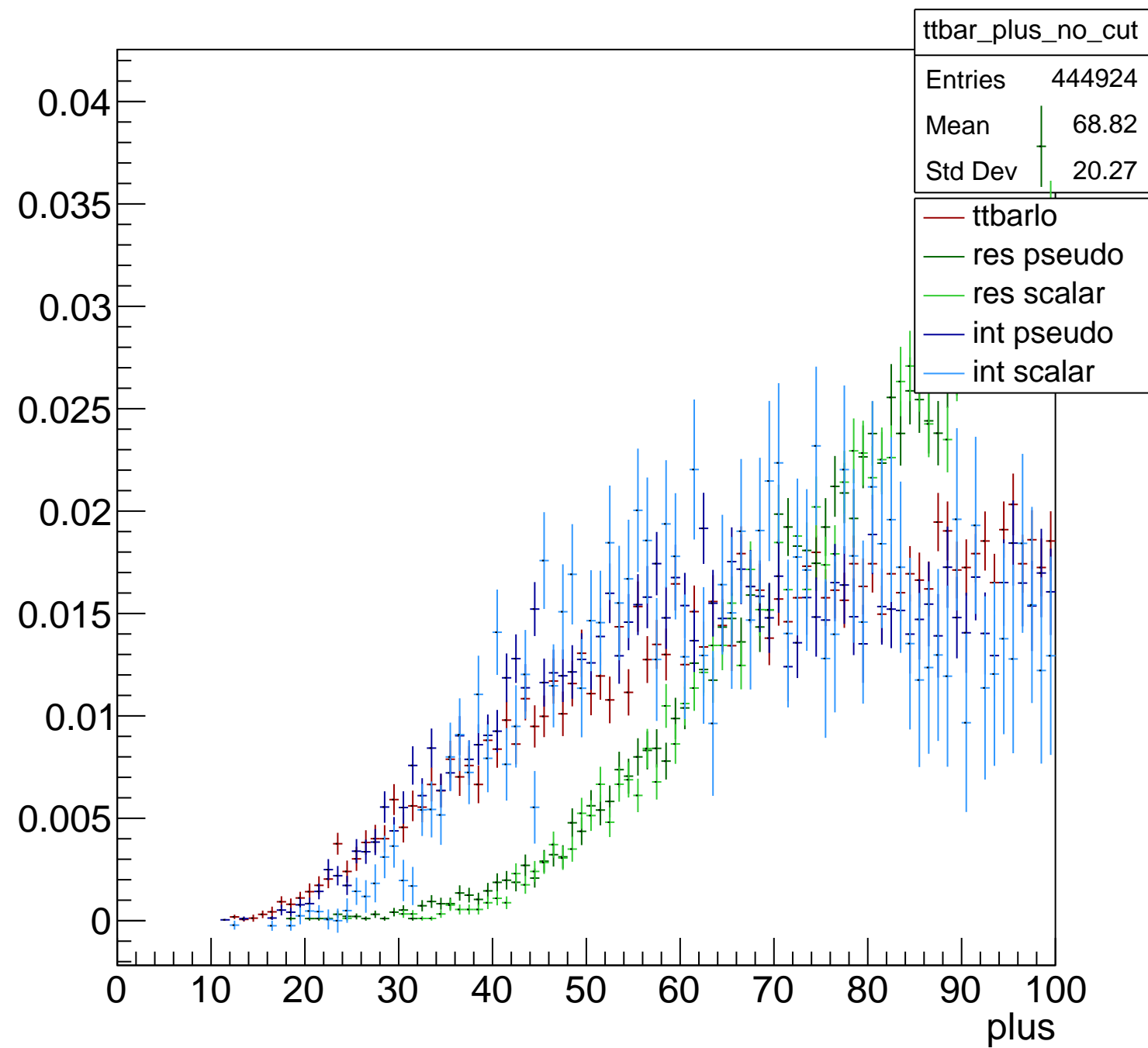


number of events

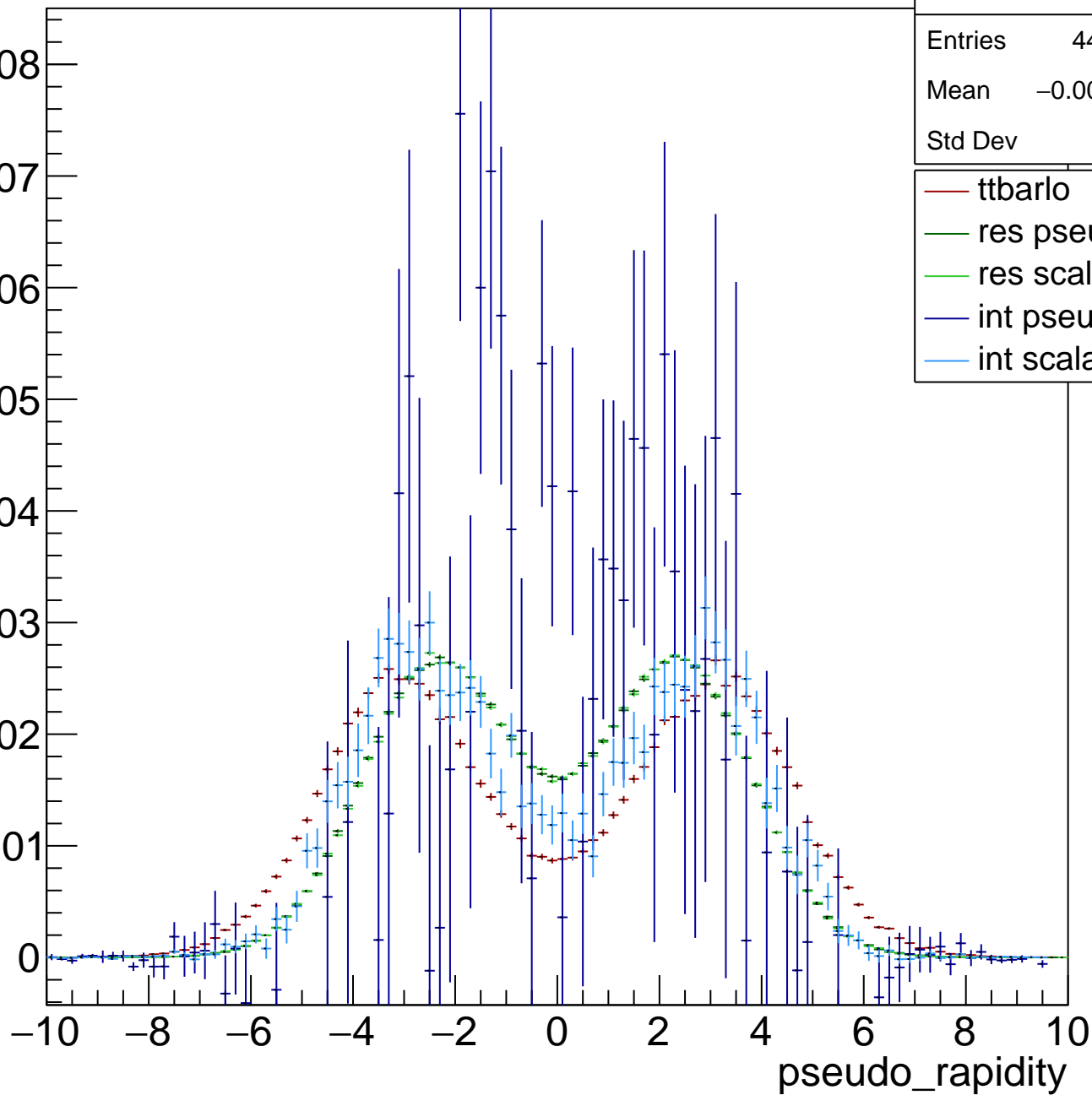


number of events

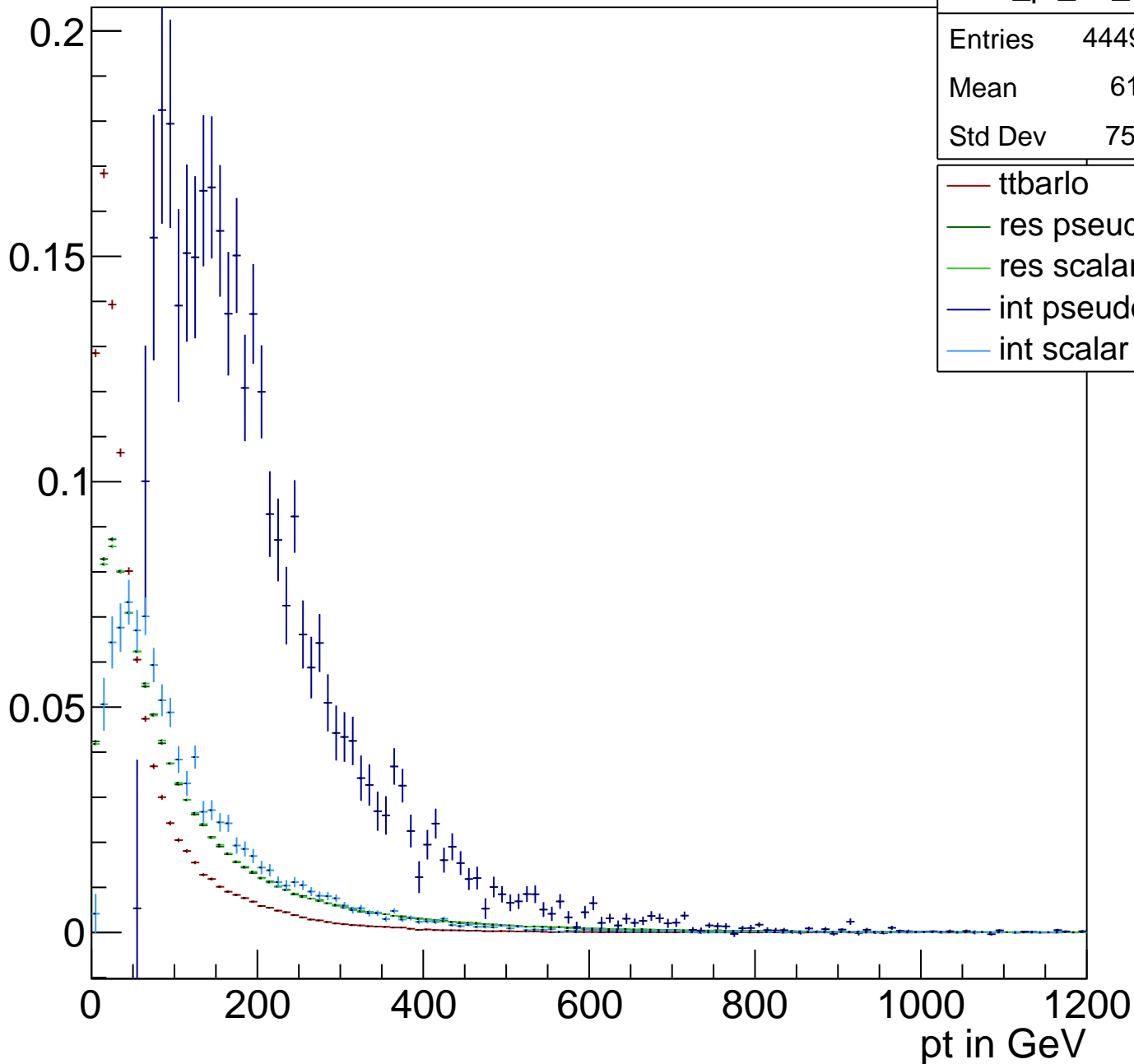




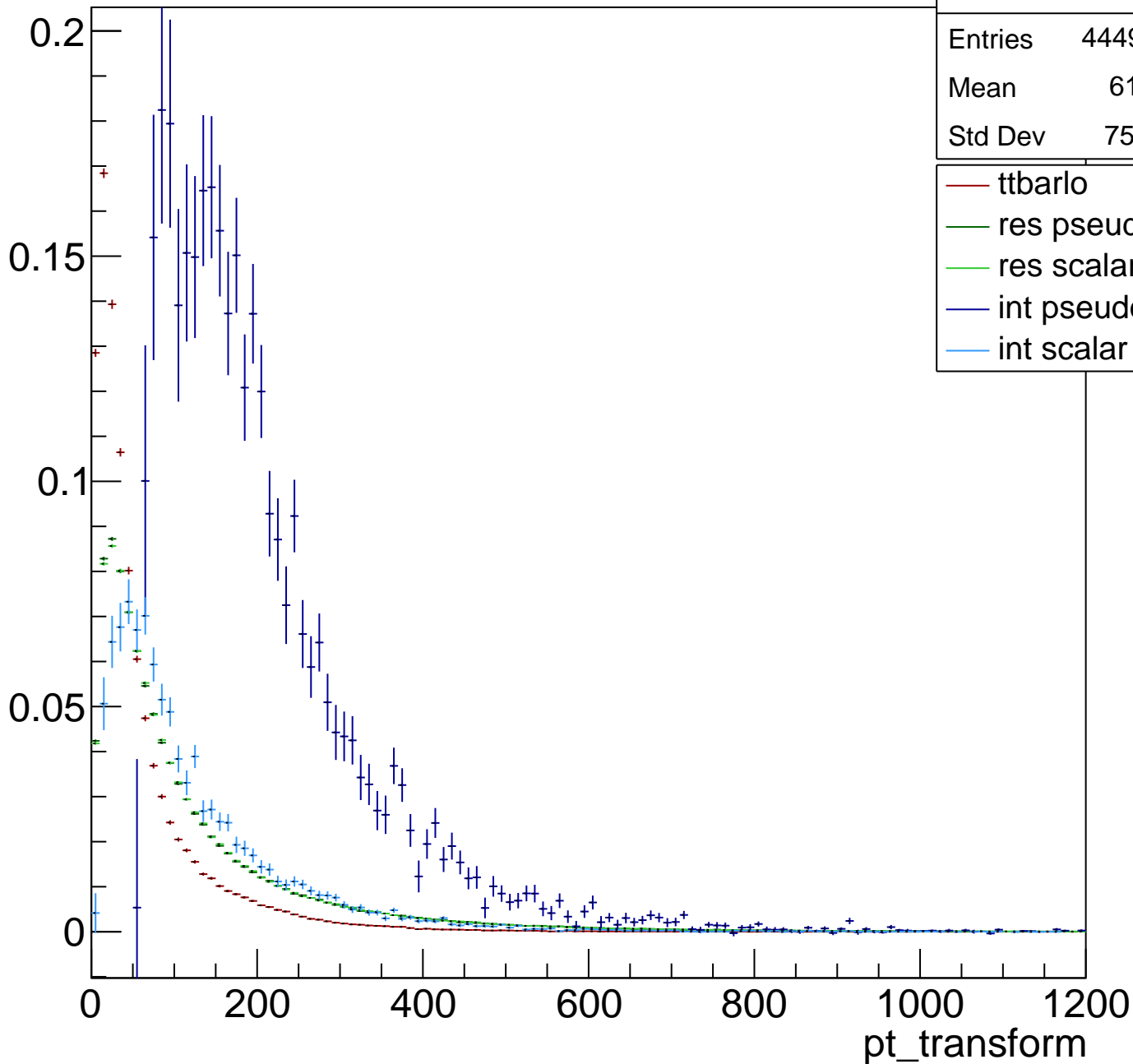
number of events



number of events



number of events



number of events

0.25
0.2
0.15
0.1
0.05
0

-100 -80 -60 -40 -20 0 20 40 60 80 100
px in GeV

ttbar_px_no_cut	
Entries	444924
Mean	-0.005351
Std Dev	33.78
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int pseudo</div> <div><div></div>int scalar</div>	

number of events

0.25

0.2

0.15

0.1

0.05

0

-100 -80 -60 -40 -20 0 20 40 60 80 100
py in GeV

ttbar_py_no_cut

Entries 444924

Mean -0.08546

Std Dev 33.74

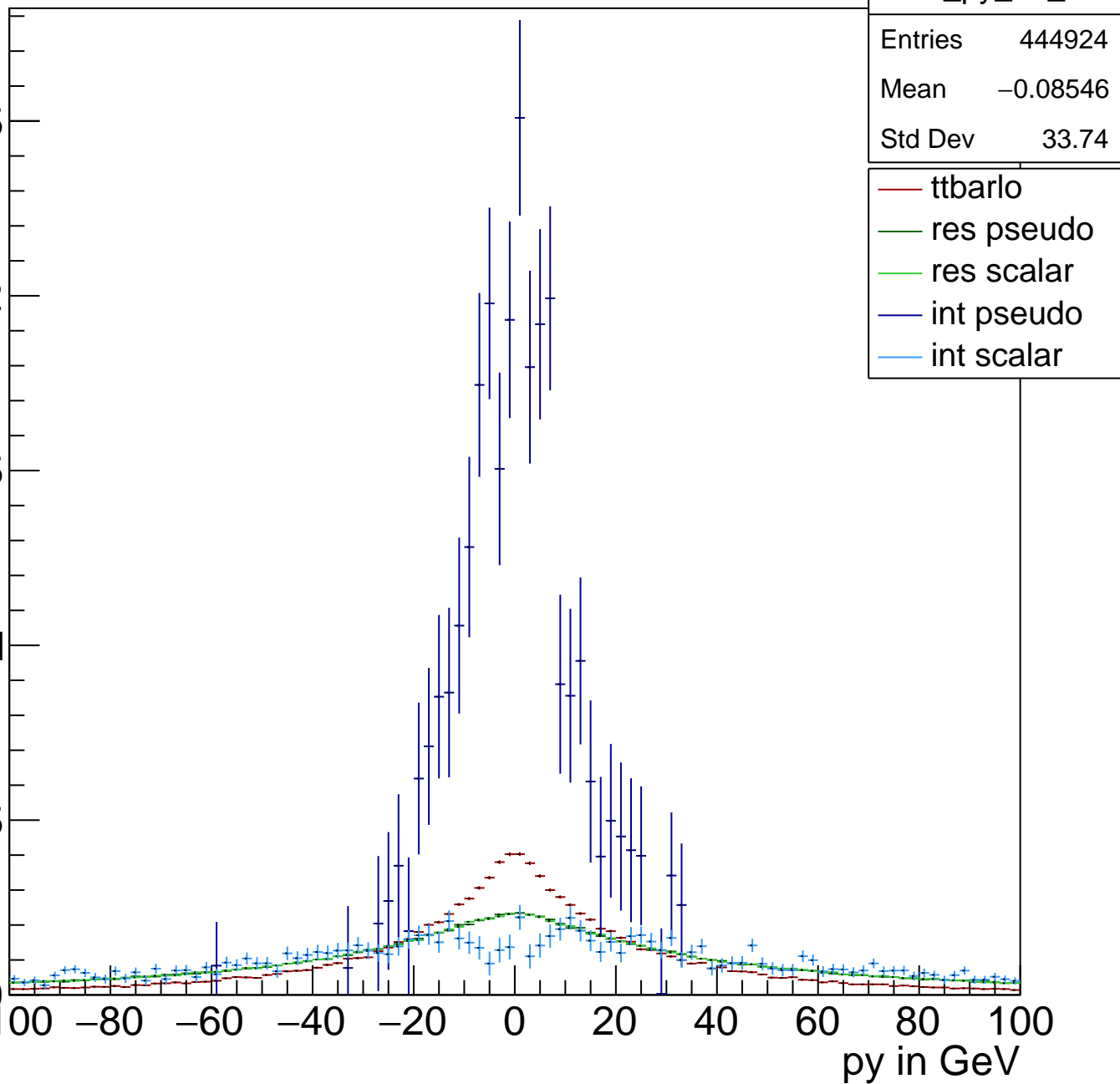
— ttbarlo

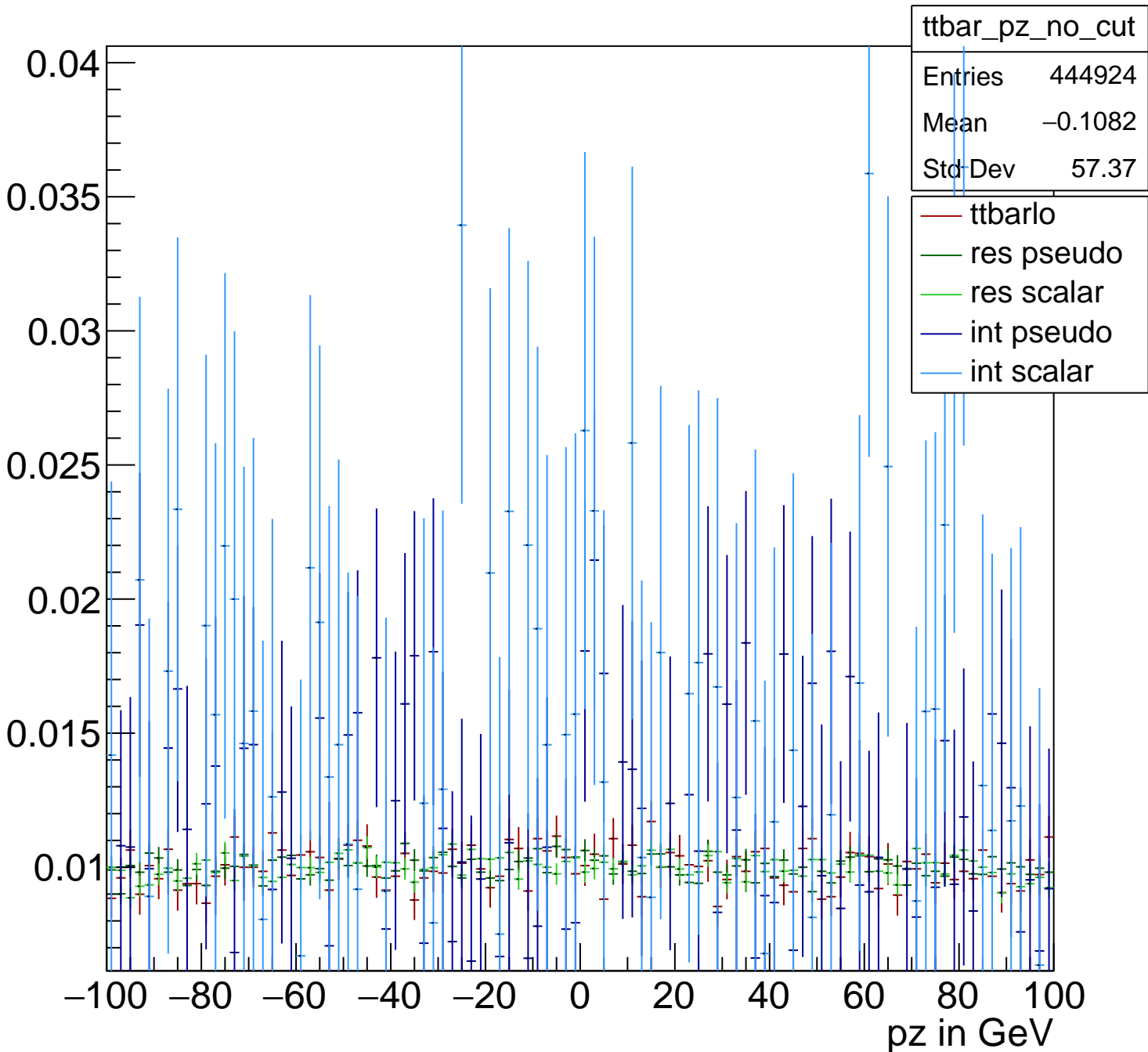
— res pseudo

— res scalar

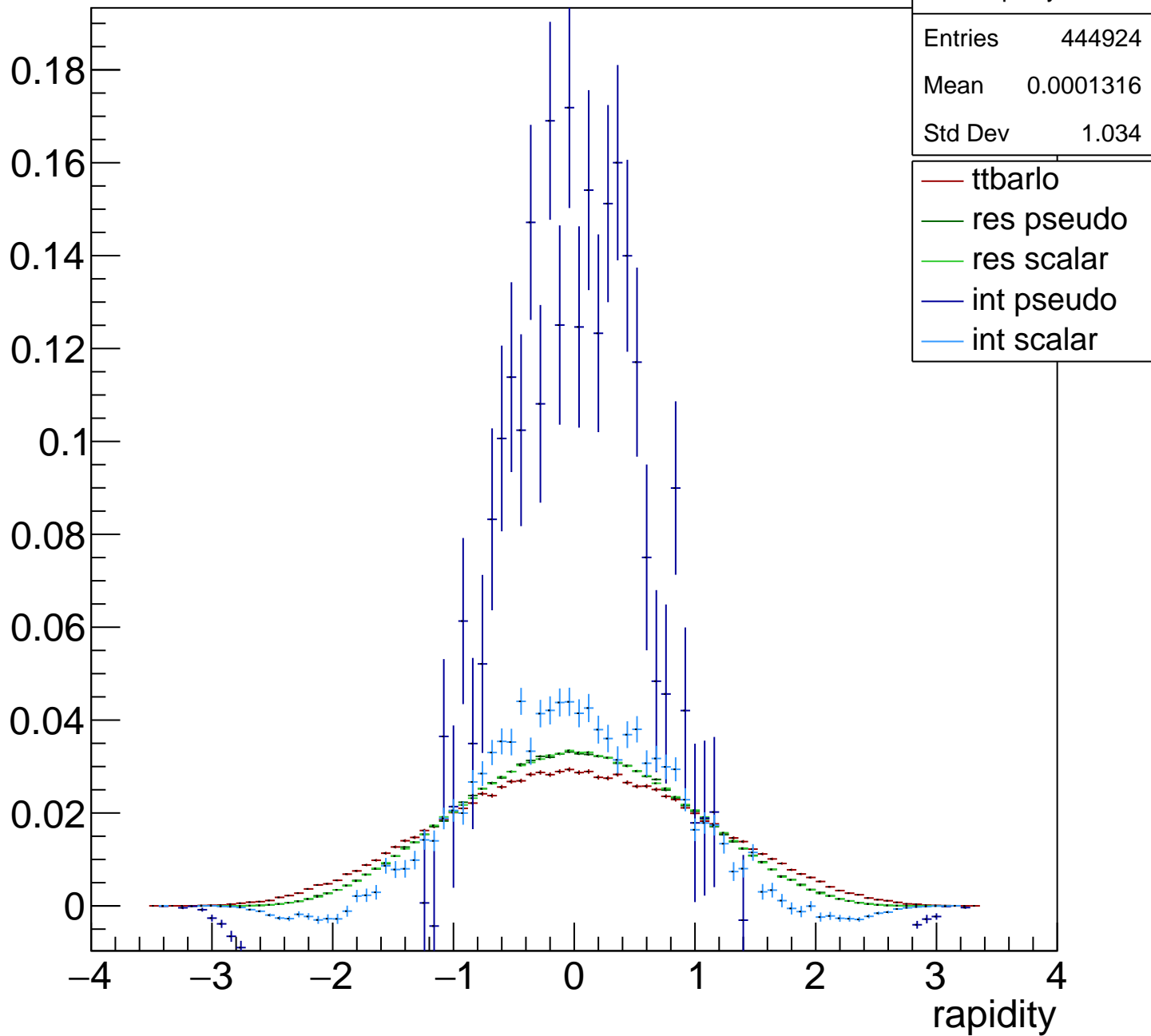
— int pseudo

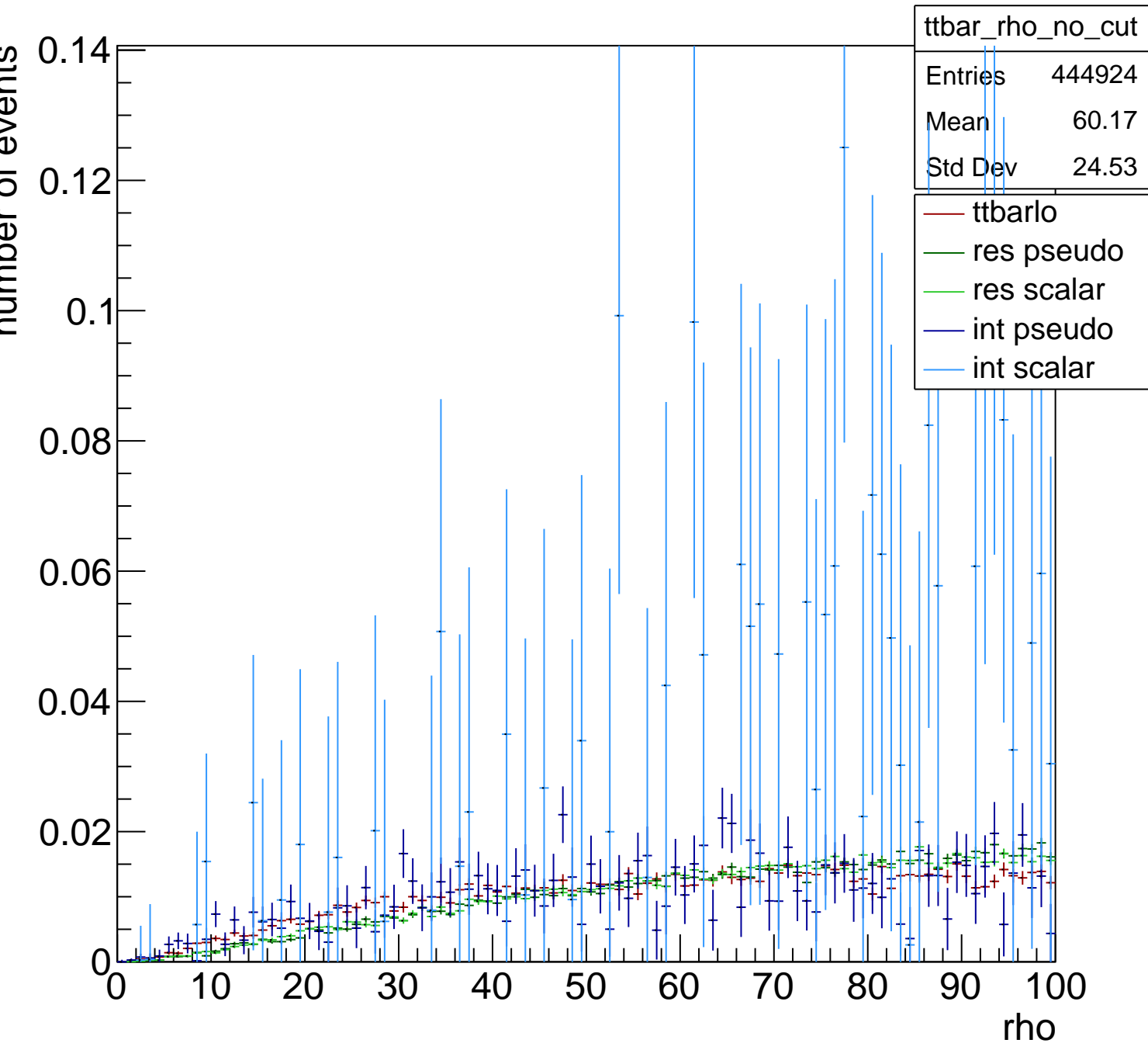
— int scalar





number of events



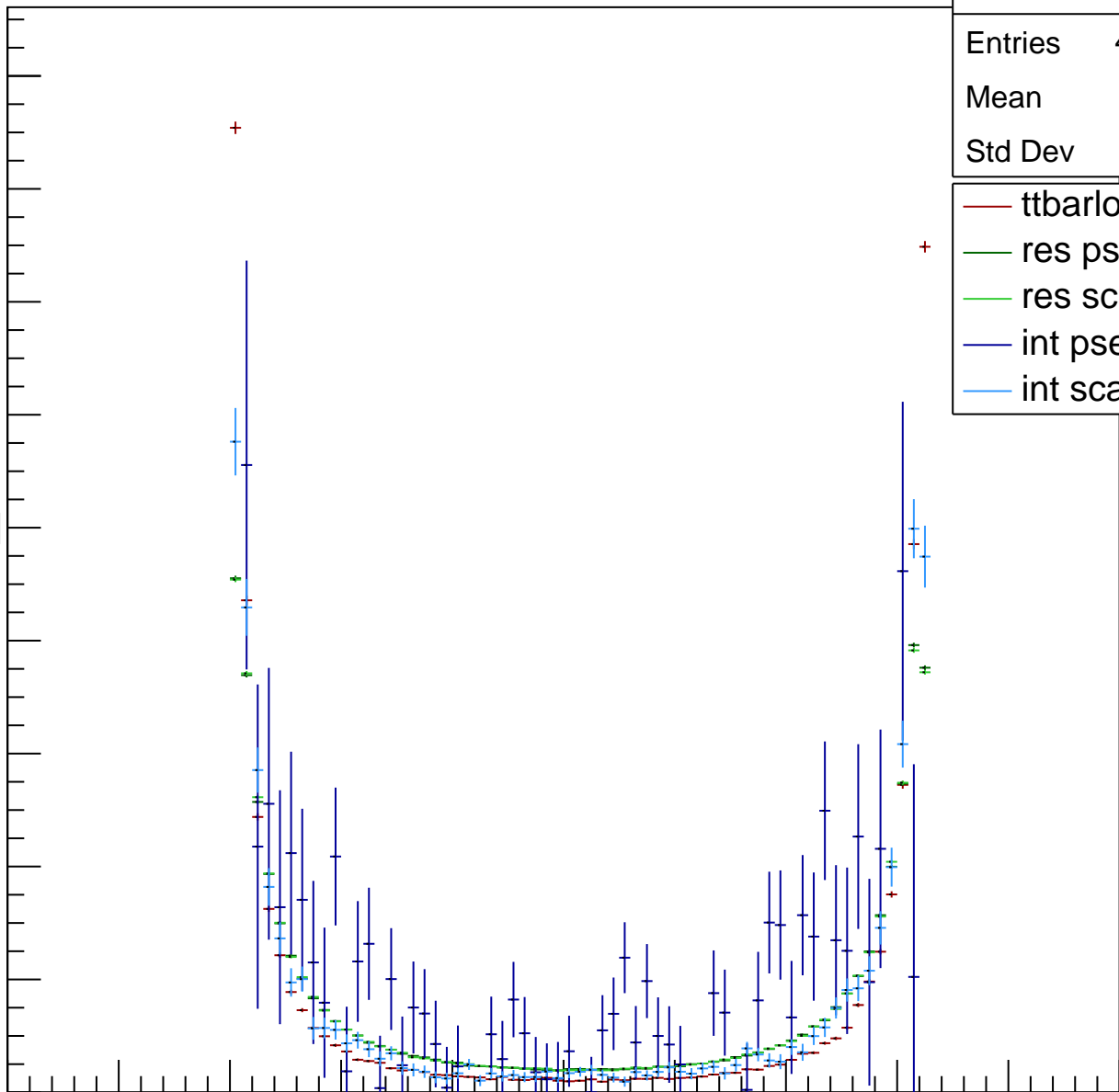


number of events

0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

tthbar_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 pseudo</div> <div><div></div>int scalar</div>	

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

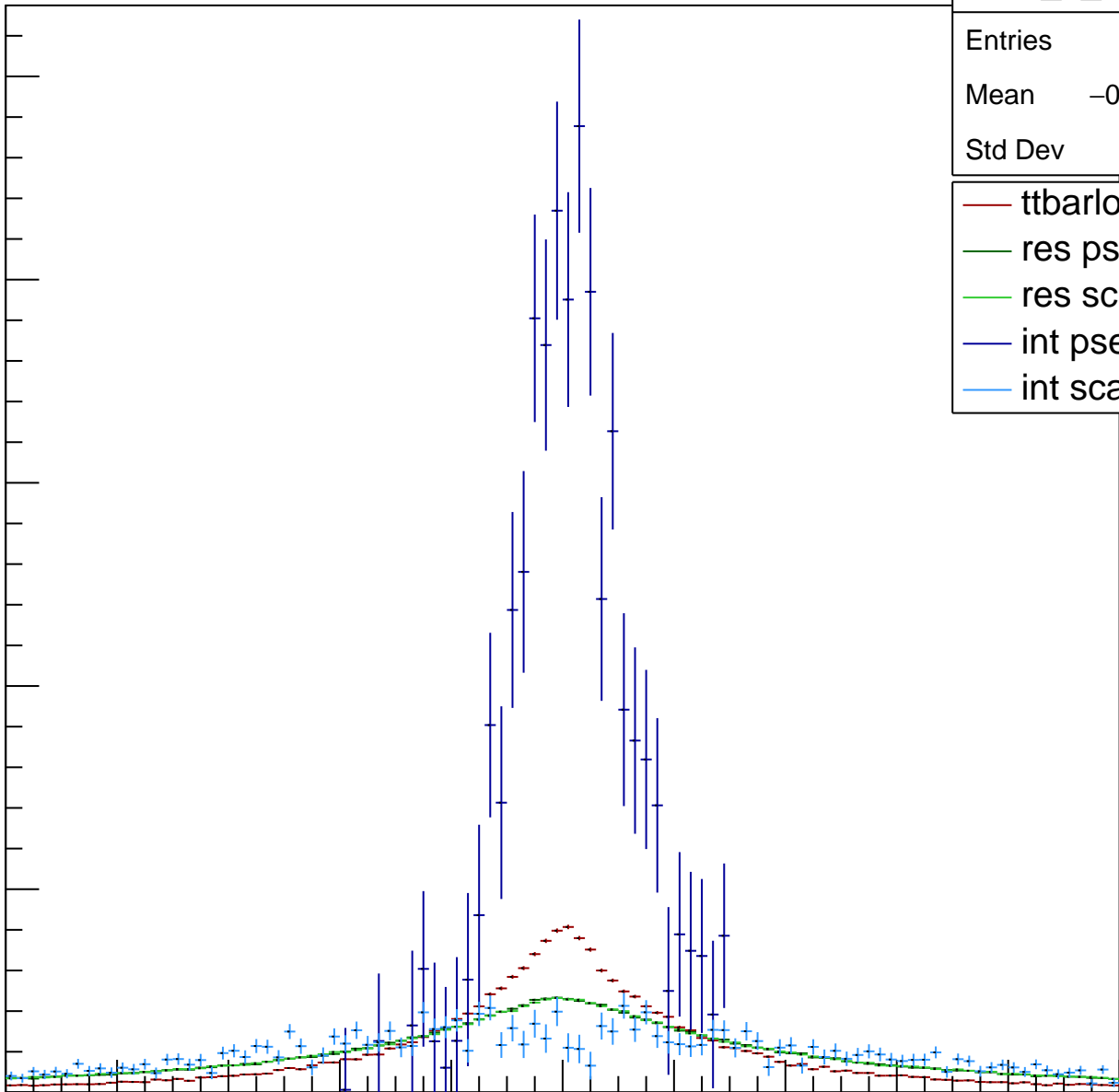


number of events

0.25
0.2
0.15
0.1
0.05
0

ttbar_x_no_cut	
Entries	444924
Mean	-0.005351
Std Dev	33.78
<div><div></div>ttbarlo</div> <div><div></div>res pseudo</div> <div><div></div>res scalar</div> <div><div></div>int pseudo</div> <div><div></div>int scalar</div>	

-100 -80 -60 -40 -20 0 20 40 60 80 100
x



number of events

0.25

0.2

0.15

0.1

0.05

0

-100 -80 -60 -40 -20 0 20 40 60 80 100
y

ttbar_y_no_cut

Entries 444924

Mean -0.08546

Std Dev 33.74

— ttbarlo

— res pseudo

— res scalar

— int pseudo

— int scalar

