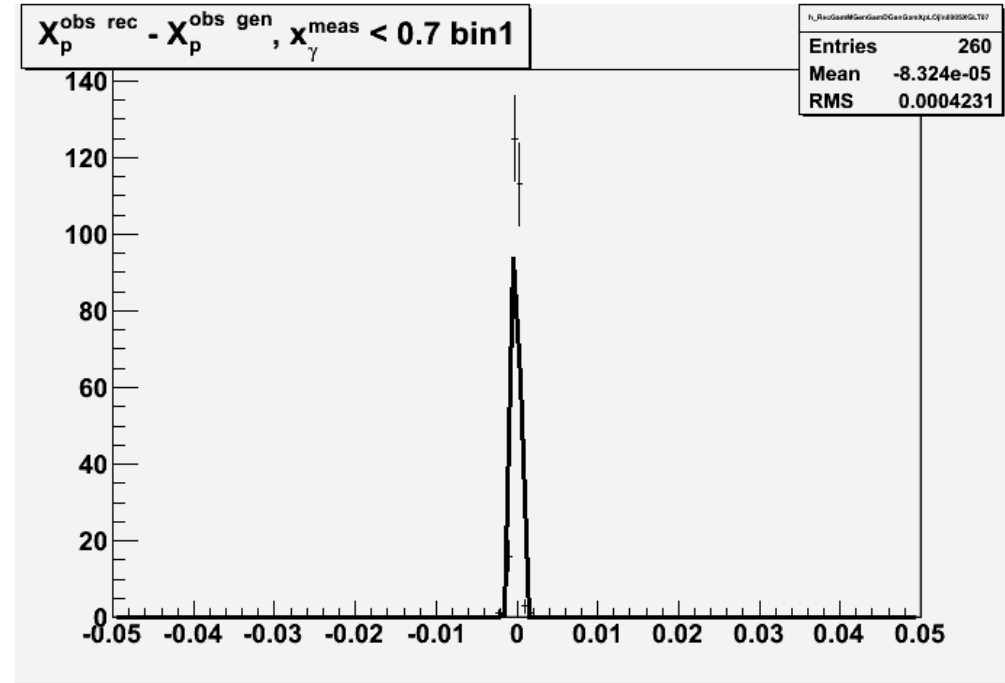
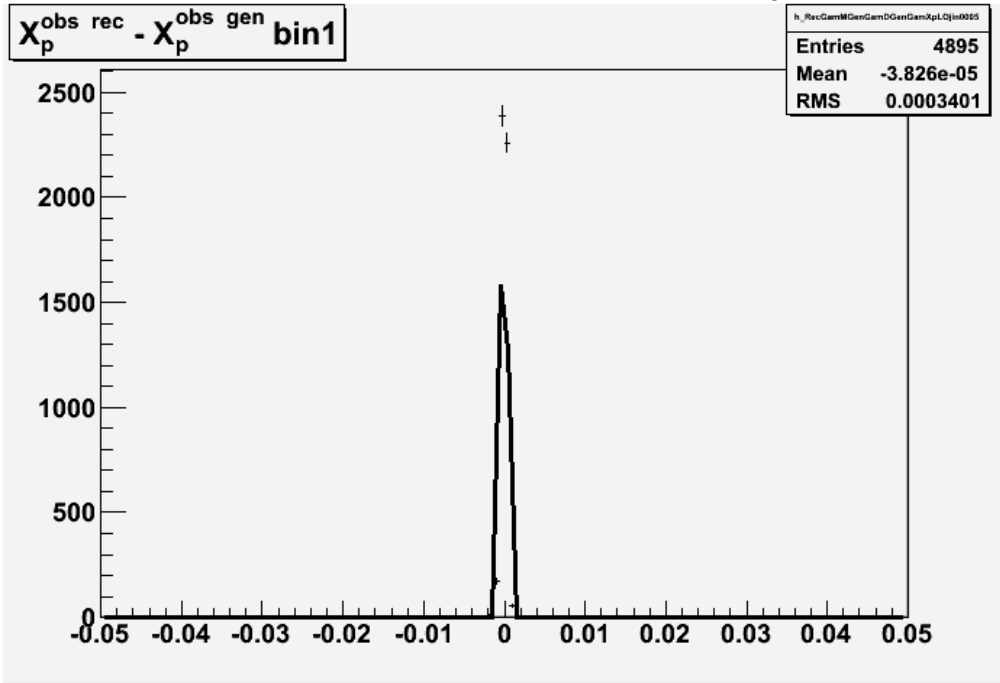


$X_p^{obs} [0.000, 0.005]$



Bin 1 all xgamma

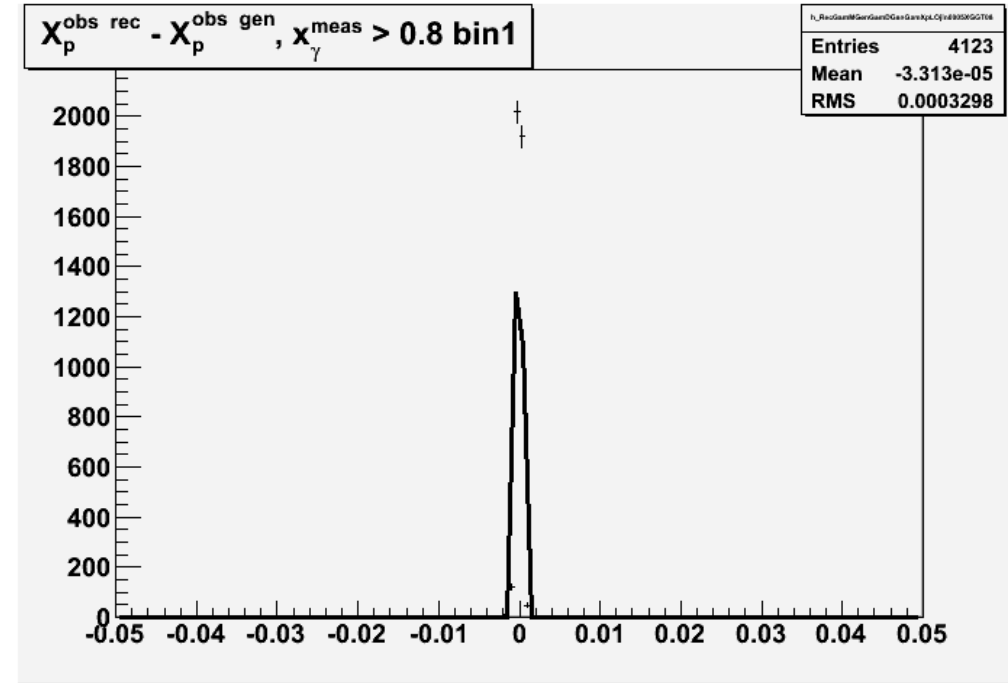
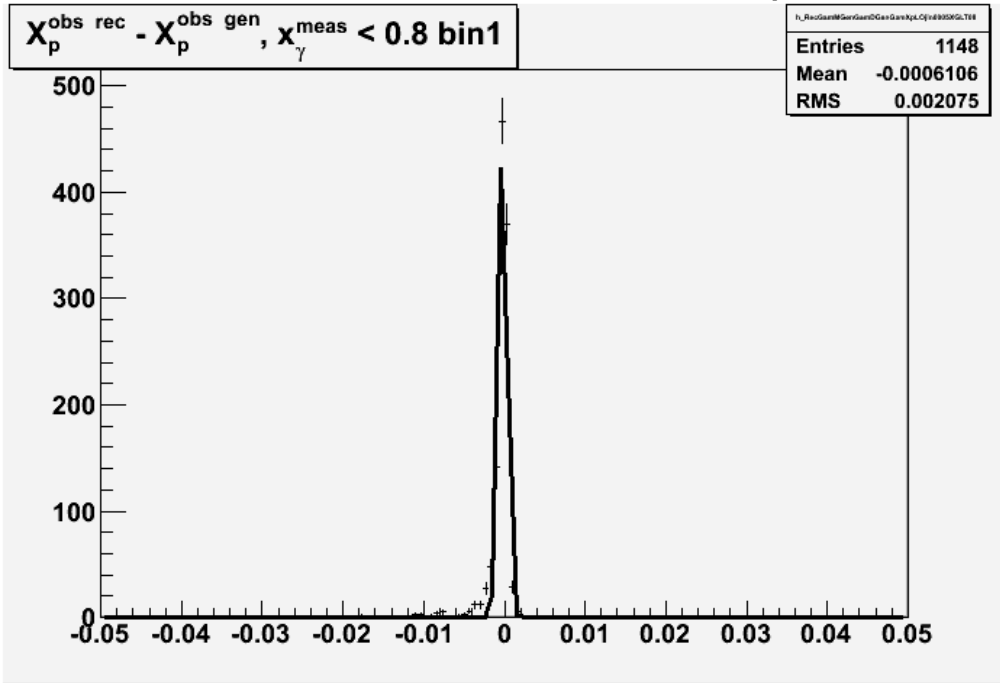
EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	3.42991e+03	6.48816e+01	1.66664e-01	8.66247e-07
2	Mean	-3.05014e-05	5.72072e-06	1.79417e-08	5.30990e+00
3	Sigma	3.77224e-04	4.44118e-06	9.29957e-06	7.23346e-03

Bin 1 xgamma<0.7

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	1.66720e+02	1.34388e+01	1.47131e-02	1.05662e-07
2	Mean	-6.78001e-05	2.94067e-05	3.53288e-08	5.97504e-02
3	Sigma	4.03659e-04	1.99591e-05	1.52039e-05	1.62969e-04

$$X_p \text{ resolution} = (X_p^{rec} - X_p^{gen})$$

$X_p^{obs} [0.000, 0.005]$



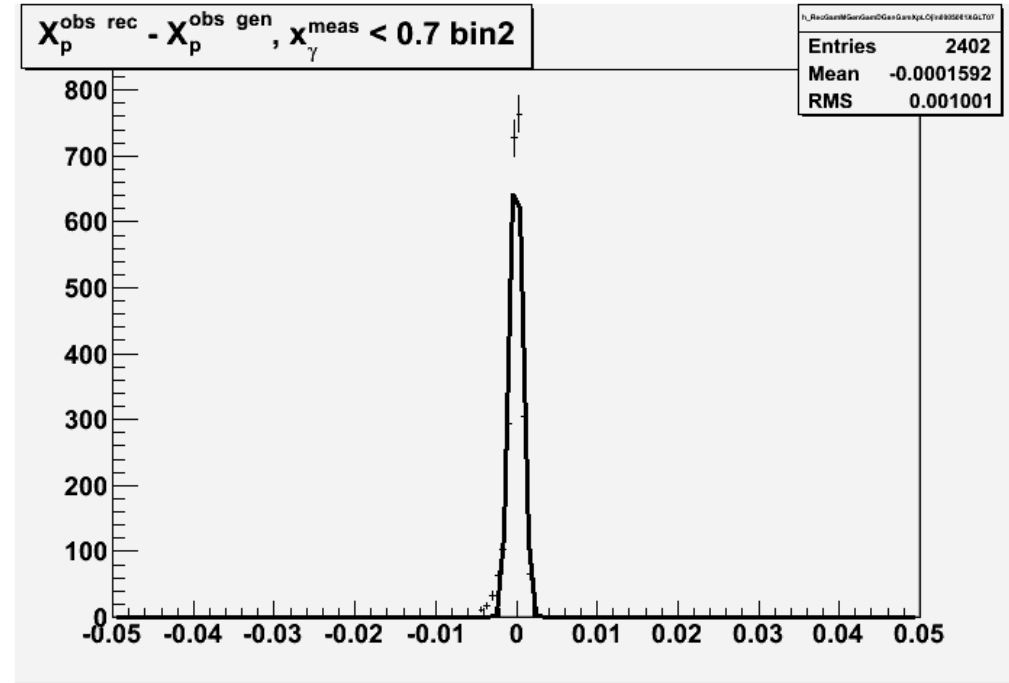
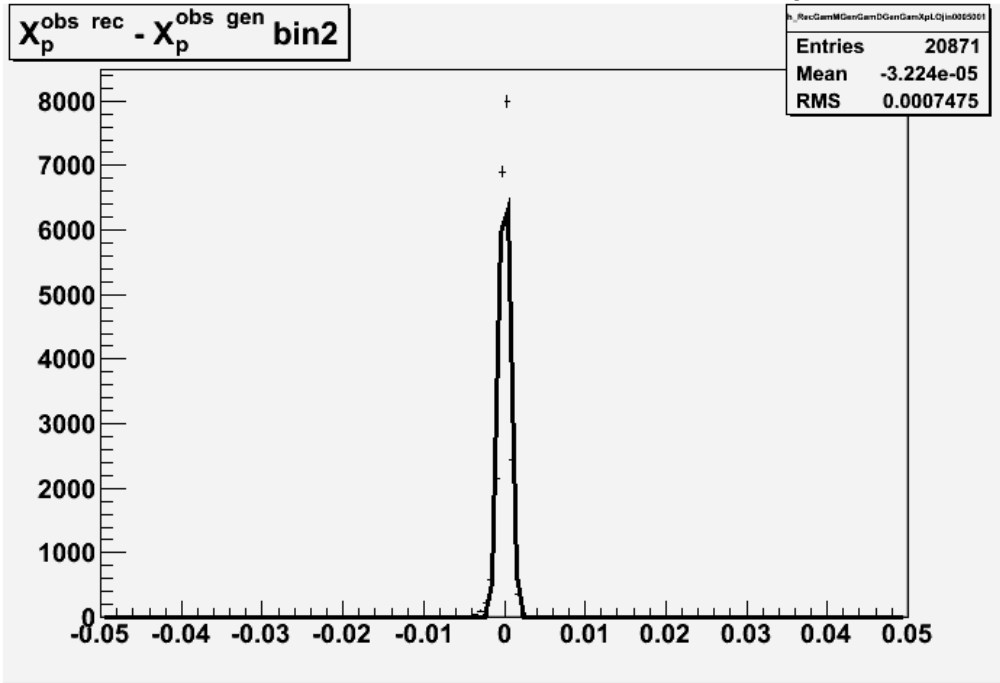
Bin 1 xgamma<0.8

EXT	PARAMETER	STEP	FIRST	DERIVATIVE	
NO.	NAME	VALUE	ERROR	SIZE	
1	Constant	4.98818e+02	2.28923e+01	-1.14771e-03	-4.17710e-07
2	Mean	-6.42327e-05	1.70358e-05	-2.51085e-09	3.13151e-01
3	Sigma	4.02464e-04	1.15926e-05	3.28309e-07	-4.38162e-04

Bin 1 xgamma>0.8

EXT	PARAMETER	STEP	FIRST	DERIVATIVE	
NO.	NAME	VALUE	ERROR	SIZE	
1	Constant	2.93951e+03	6.08236e+01	1.23885e-01	3.97480e-07
2	Mean	-2.47133e-05	5.99279e-06	1.52900e-08	-1.20283e+01
3	Sigma	3.71934e-04	4.79097e-06	8.19702e-06	7.18874e-03

$X_p^{obs} [0.005, 0.01]$



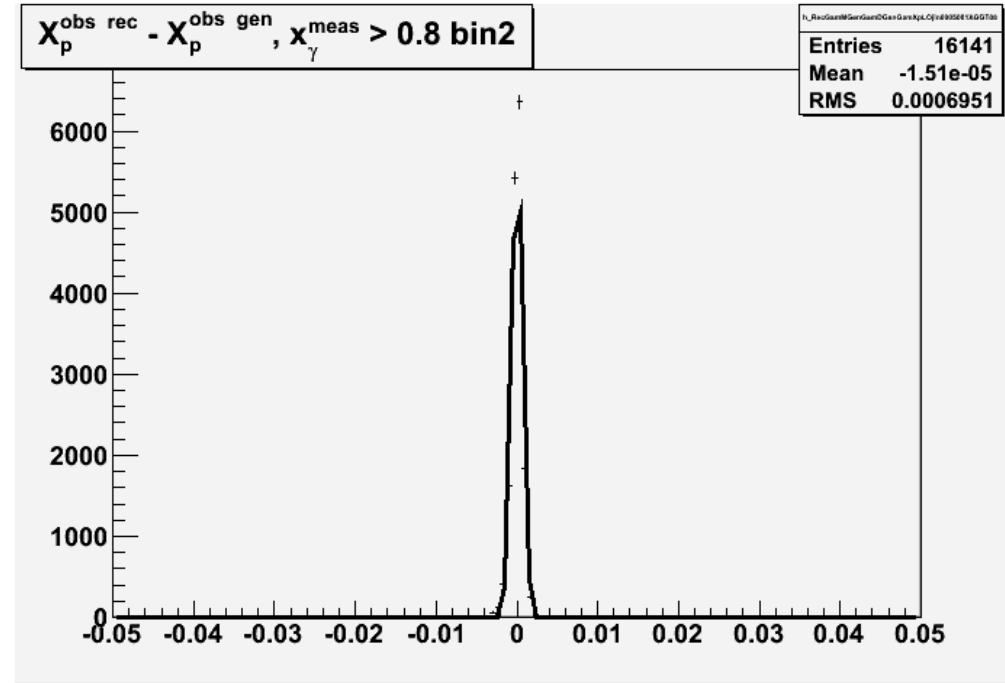
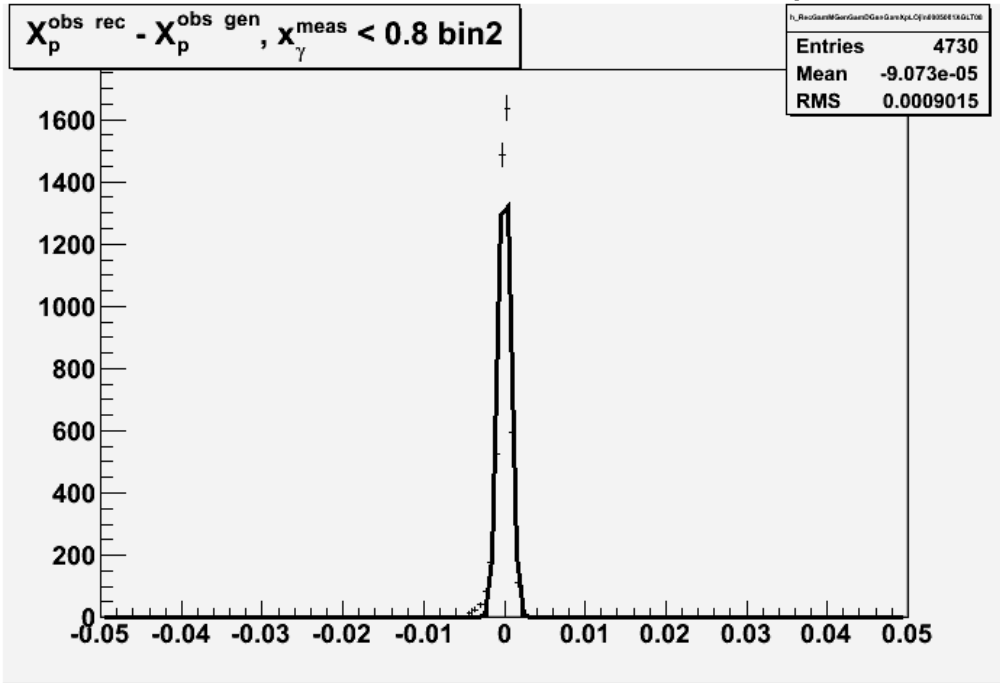
Bin 2 all xgamma

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	8.21382e+03	7.79816e+01	7.20418e-01	3.89603e-07
2	Mean	2.61928e-05	4.70030e-06	5.74257e-08	1.11578e+00
3	Sigma	6.54704e-04	4.17476e-06	1.77101e-05	-2.40027e-03

Bin 2 xgamma<0.7

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	7.76426e+02	2.22362e+01	-3.66209e-02	1.37097e-06
2	Mean	-2.08548e-05	1.69466e-05	9.02917e-09	4.70596e-01
3	Sigma	7.75178e-04	1.50999e-05	9.69806e-06	1.33518e-03

$X_p^{obs} [0.005, 0.01]$



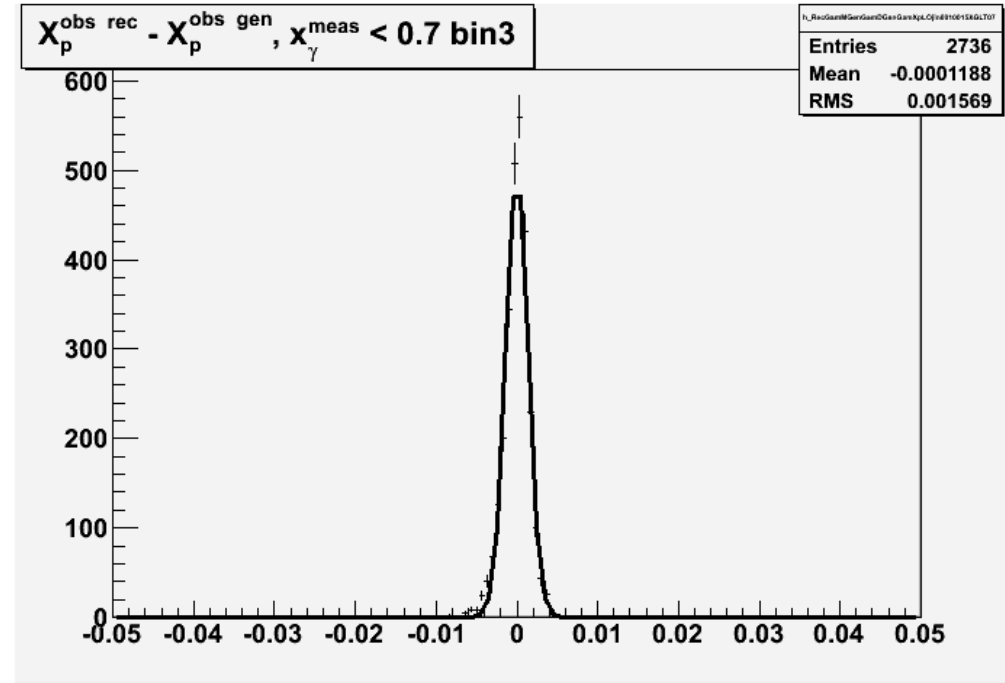
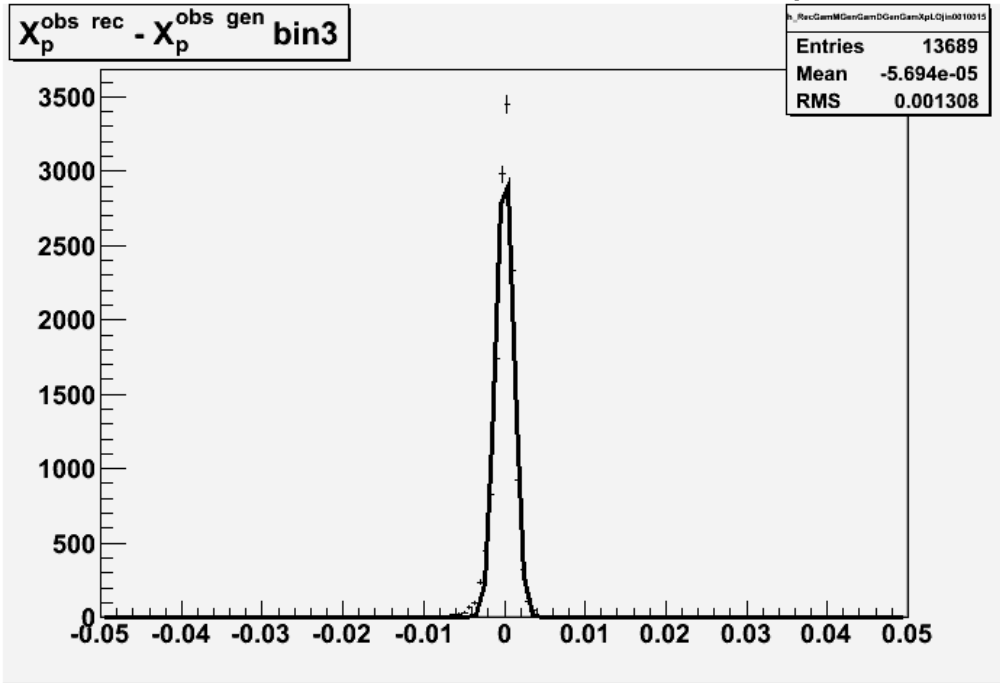
Bin 2 xgamma<0.8

EXT	PARAMETER	STEP	FIRST	NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	1.65954e+03	3.39637e+01	-7.25783e-03	1.23199e-07				
2	Mean	1.10100e-05	1.10724e-05	-1.84226e-09	1.82110e-01				
3	Sigma	7.22179e-04	1.01482e-05	3.84360e-07	-1.25495e-04				

Bin 2 xgamma>0.8

EXT	PARAMETER	STEP	FIRST	NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	6.56554e+03	7.01798e+01	5.20356e-01	7.47578e-08				
2	Mean	2.94890e-05	5.18129e-06	5.04961e-08	-1.30750e-01				
3	Sigma	6.37105e-04	4.53443e-06	1.62198e-05	-4.12401e-04				

$X_p^{obs} [0.01, 0.015]$



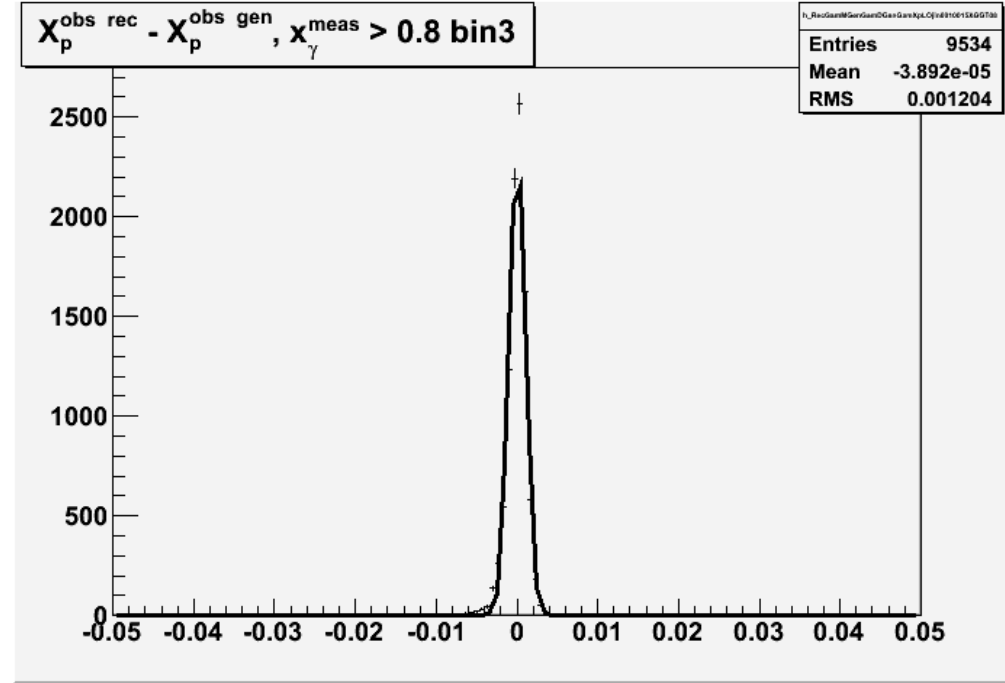
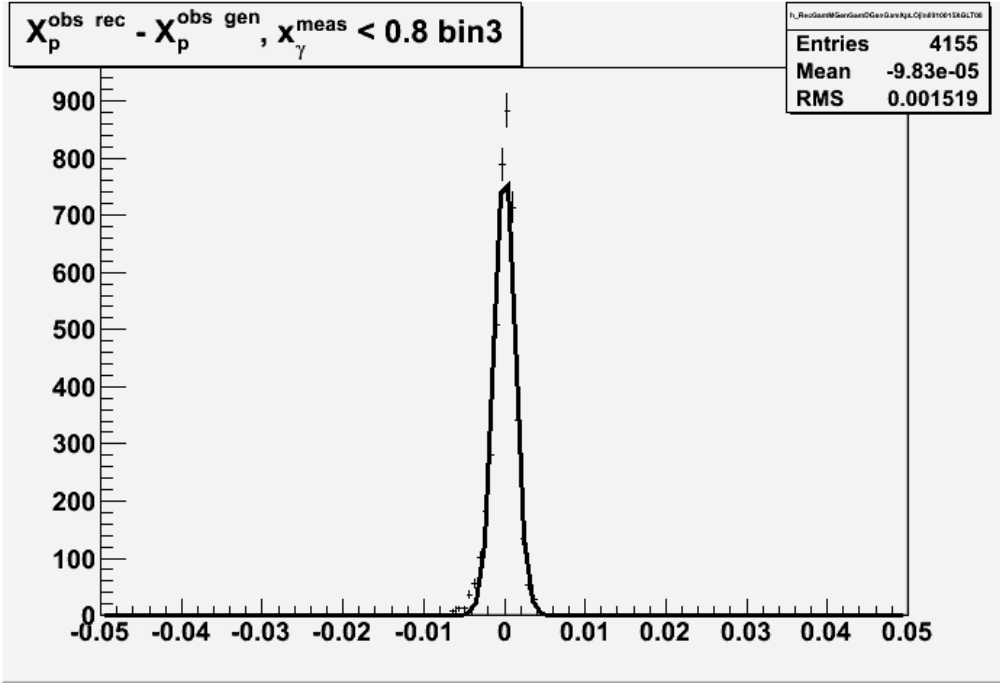
Bin 3 all xgamma

EXT	PARAMETER	STEP	FIRST	NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	3.14655e+03	3.84545e+01	3.25043e-01	2.21949e-06				
2	Mean	4.93773e-05	1.01186e-05	1.14412e-07	1.09395e+00				
3	Sigma	1.10758e-03	9.46374e-06	2.13245e-05	1.84520e-02				

Bin 3 xgamma<0.7

EXT	PARAMETER	STEP	FIRST	NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	5.01690e+02	1.33971e+01	4.94146e-02	-1.18459e-06				
2	Mean	-3.22348e-06	2.87615e-05	1.37392e-07	-1.78176e+00				
3	Sigma	1.39432e-03	2.54537e-05	2.02975e-05	-2.34797e-03				

$X_p^{obs} [0.01, 0.015]$



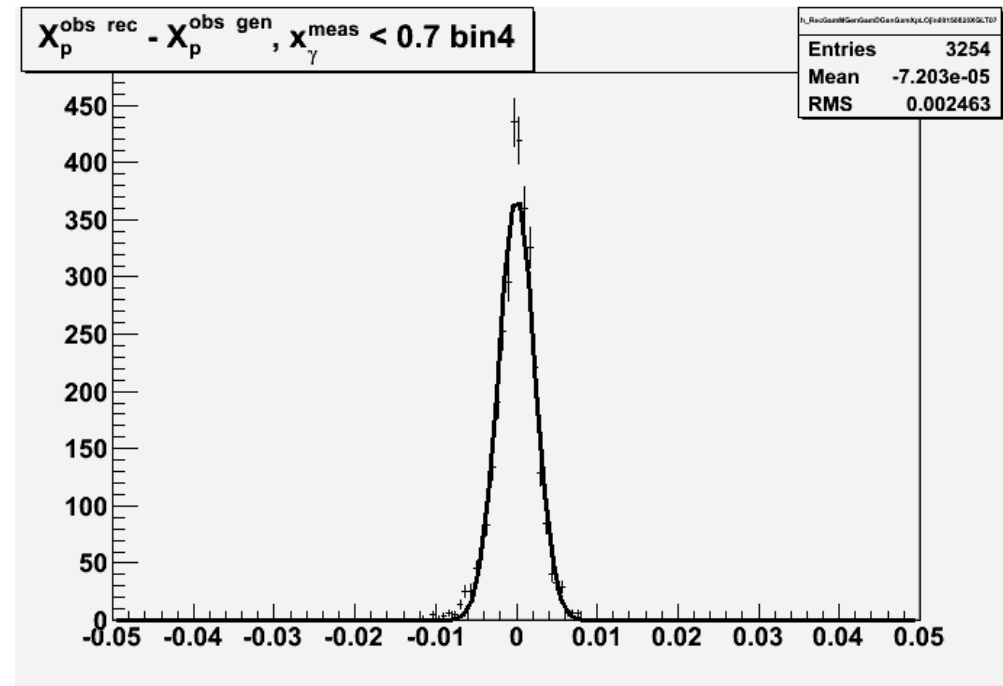
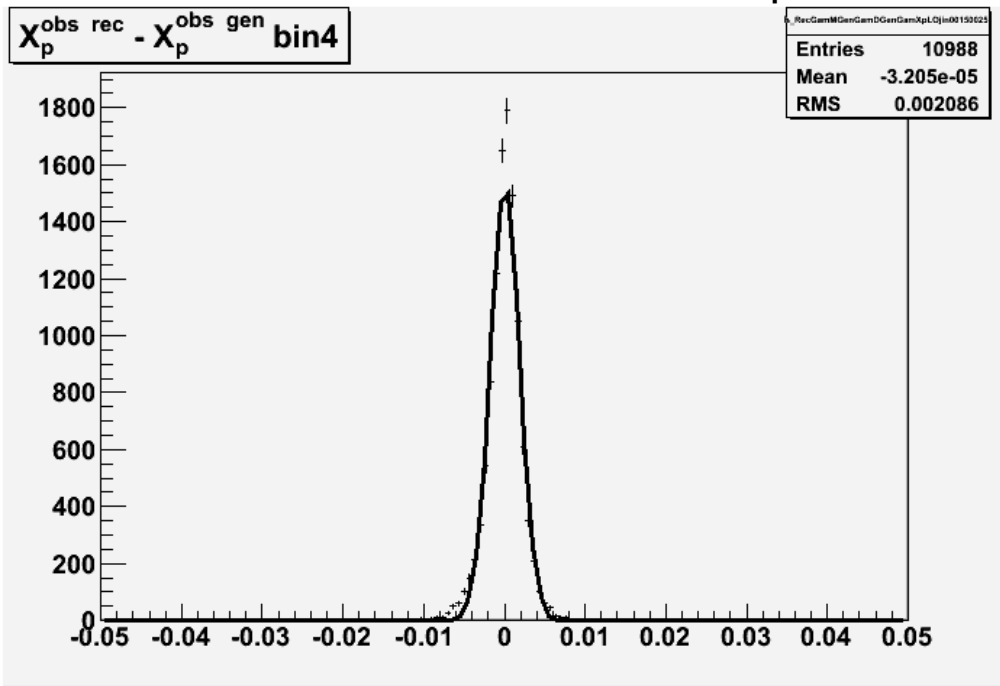
Bin 3 xgamma<0.8

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	8.00274e+02	1.79648e+01	8.73962e-02	2.85000e-06
2	Mean	3.05518e-05	2.25305e-05	1.43684e-07	-2.11744e+00
3	Sigma	1.31543e-03	2.08543e-05	2.27425e-05	-1.76297e-02

Bin 3 xgamma>0.8

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	2.36953e+03	3.39942e+01	2.26760e-01	4.94535e-07
2	Mean	4.89237e-05	1.11709e-05	9.86326e-08	1.19110e-01
3	Sigma	1.03064e-03	1.01439e-05	1.95317e-05	-2.68604e-03

$$X_p^{\text{obs}} [0.015, 0.025]$$



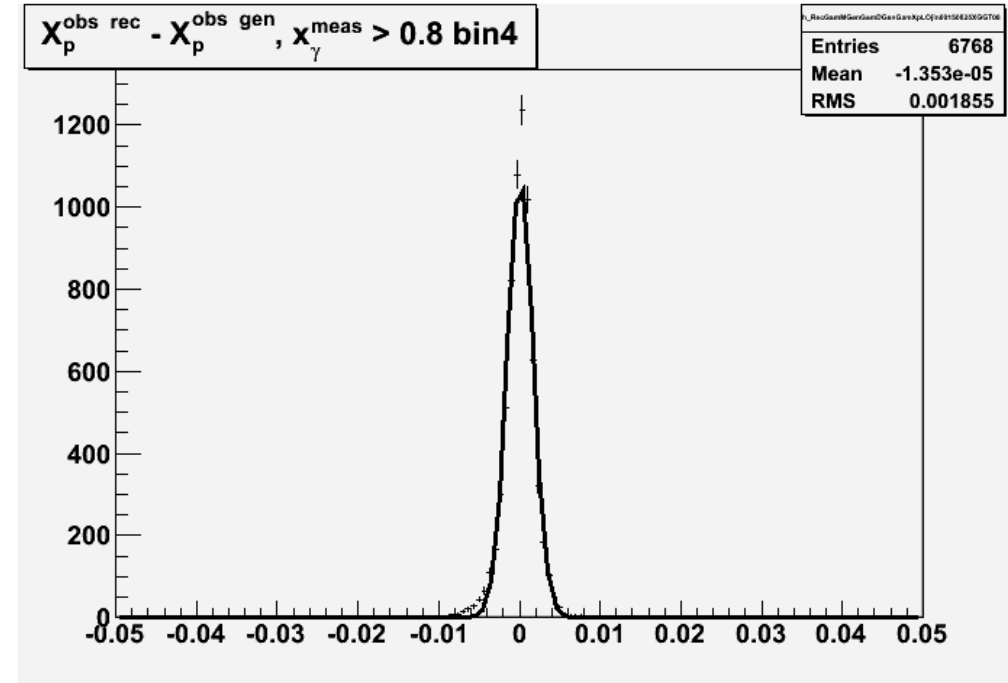
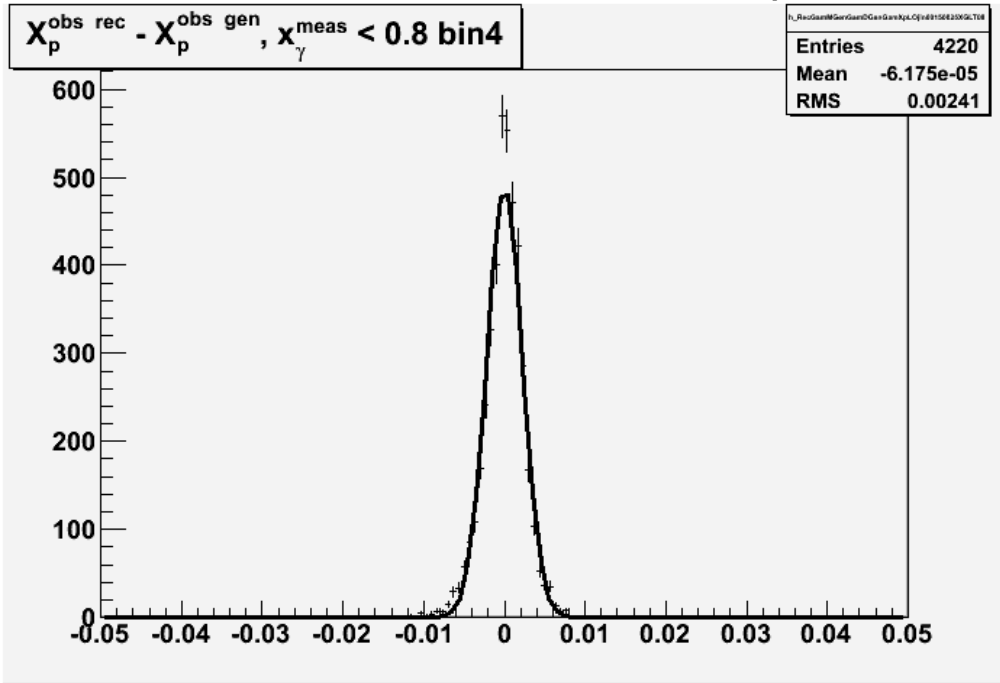
Bin 4 all xgamma

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	1.54098e+03	2.13405e+01	1.55571e-01	3.64472e-09
2	Mean	7.50015e-05	1.80382e-05	1.83637e-07	1.02389e-01
3	Sigma	1.81887e-03	1.79015e-05	2.19374e-05	1.49996e-04

Bin 4 xgamma<0.7

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	3.72557e+02	9.23611e+00	3.58017e-02	-1.20559e-07
2	Mean	1.92889e-05	4.11250e-05	2.15192e-07	-1.76778e+00
3	Sigma	2.23736e-03	3.85156e-05	2.07718e-05	-1.62965e-02

$X_p^{obs} [0.015, 0.025]$



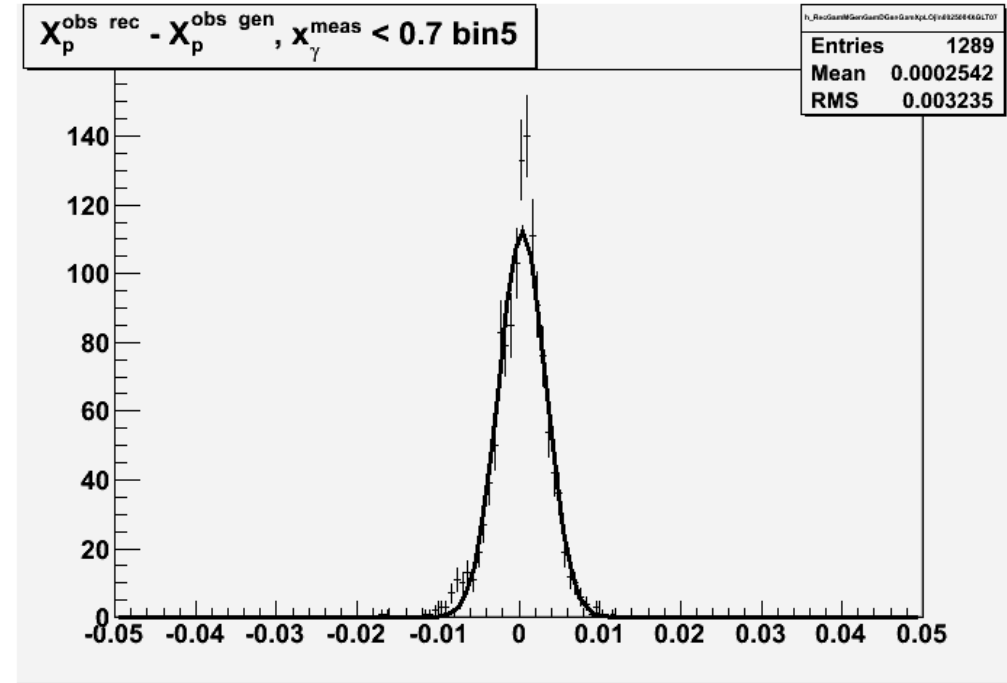
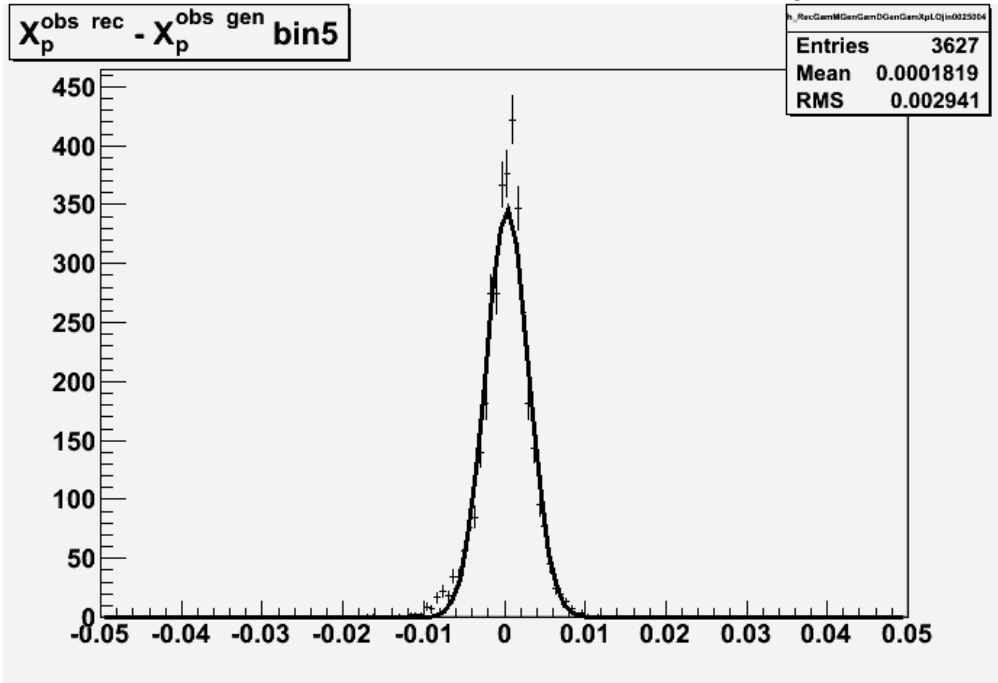
Bin 4 xgamma<0.8

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	4.91593e+02	1.07522e+01	4.59186e-02	2.17360e-07
2	Mean	1.68938e-05	3.55693e-05	2.05952e-07	-1.47014e+00
3	Sigma	2.20328e-03	3.36577e-05	2.03739e-05	-1.44726e-02

Bin 4 xgamma>0.8

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	1.07600e+03	1.88279e+01	1.06018e-01	-2.38406e-08
2	Mean	8.71798e-05	2.01260e-05	1.58405e-07	2.82818e-02
3	Sigma	1.60767e-03	1.98442e-05	2.12385e-05	-1.94644e-04

$X_p^{obs} [0.025, 0.04]$



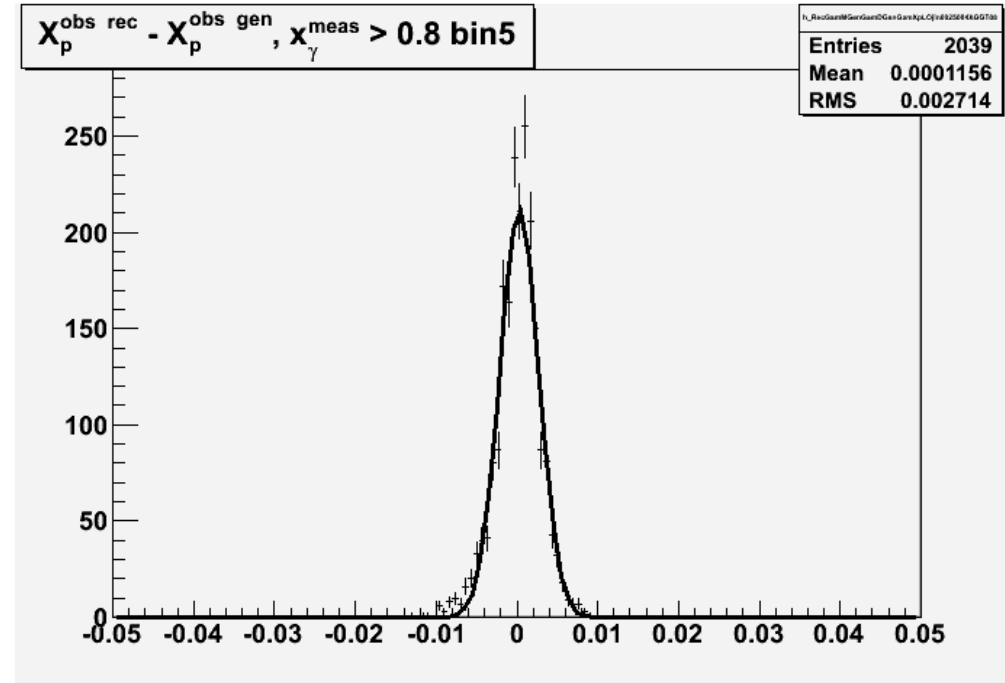
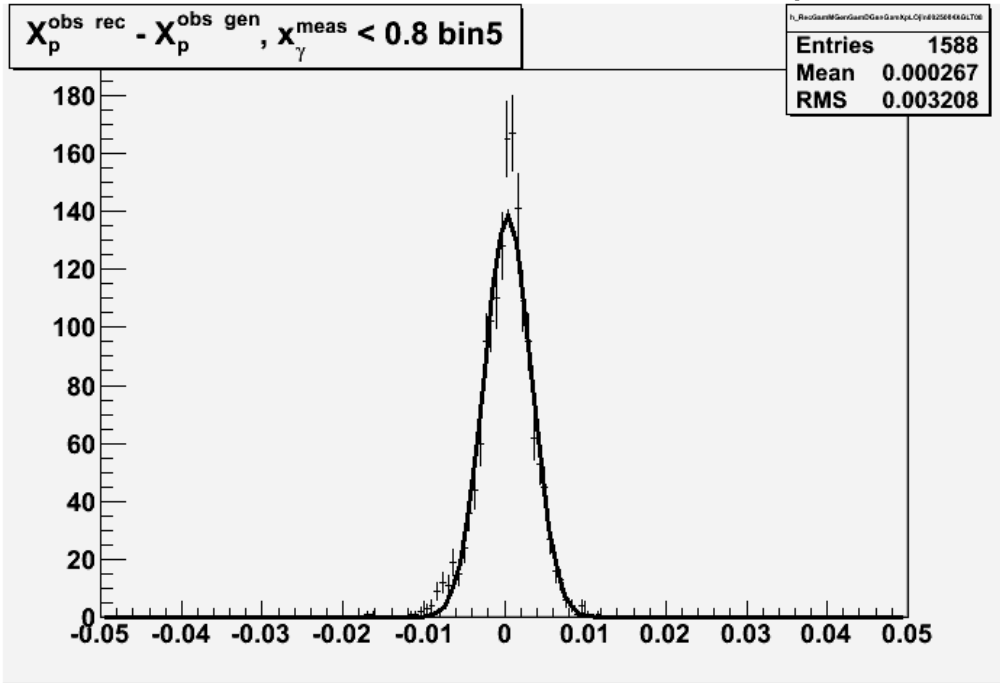
Bin 5 all xgamma

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	3.46469e+02	8.12778e+00	3.36024e-02	1.36913e-07
2	Mean	3.31789e-04	4.60861e-05	2.59952e-07	-2.91644e-02
3	Sigma	2.67939e-03	4.35380e-05	2.10652e-05	-5.78447e-04

Bin 5 xgamma<0.7

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	1.12190e+02	4.26518e+00	1.11093e-02	-1.60398e-06
2	Mean	4.15577e-04	8.50744e-05	2.91292e-07	-3.88660e-01
3	Sigma	2.93789e-03	7.43798e-05	2.06055e-05	-4.42537e-03

$X_p^{obs} [0.025, 0.04]$



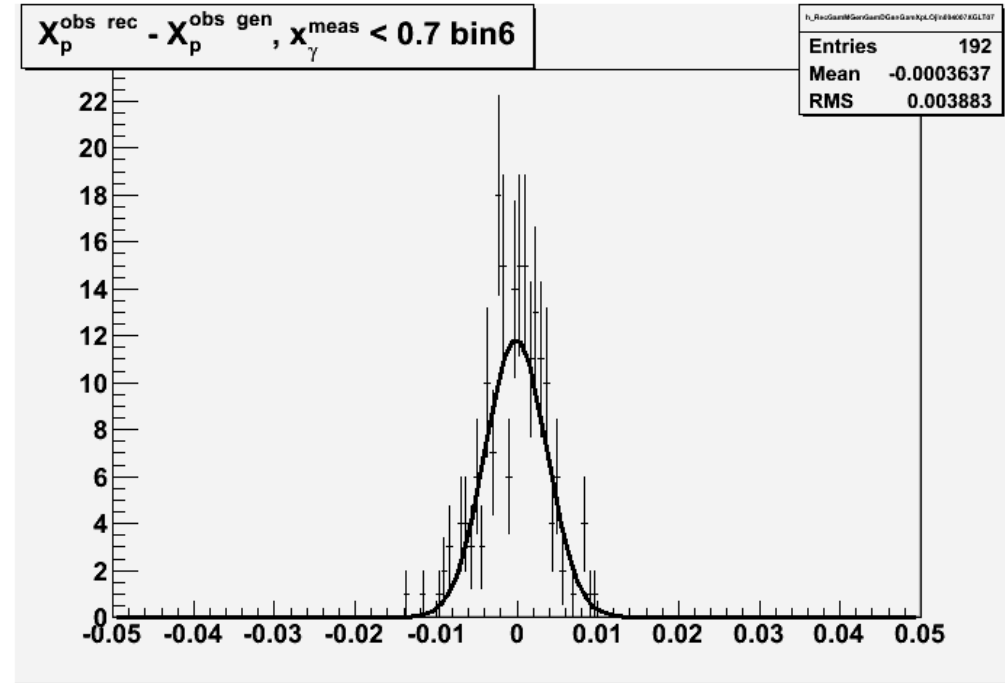
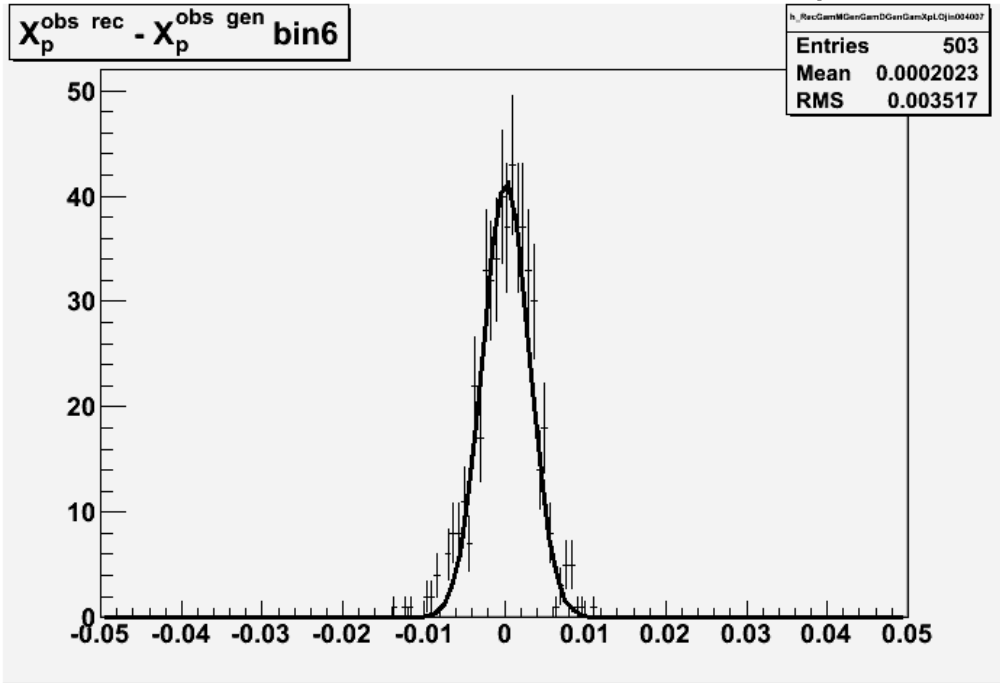
Bin 5 xgamma<0.8

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	1.38448e+02	4.70994e+00	1.30533e-02	1.92442e-06
2	Mean	4.09821e-04	7.70704e-05	2.77859e-07	1.46454e-01
3	Sigma	2.94334e-03	6.62563e-05	1.95437e-05	-1.11068e-03

Bin 5 xgamma>0.8

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	2.11890e+02	6.78594e+00	2.42163e-02	1.08848e-07
2	Mean	2.84730e-04	5.64270e-05	2.77684e-07	2.28183e-03
3	Sigma	2.42784e-03	5.48177e-05	2.49522e-05	-8.35136e-05

$X_p^{obs} [0.05, 0.07]$



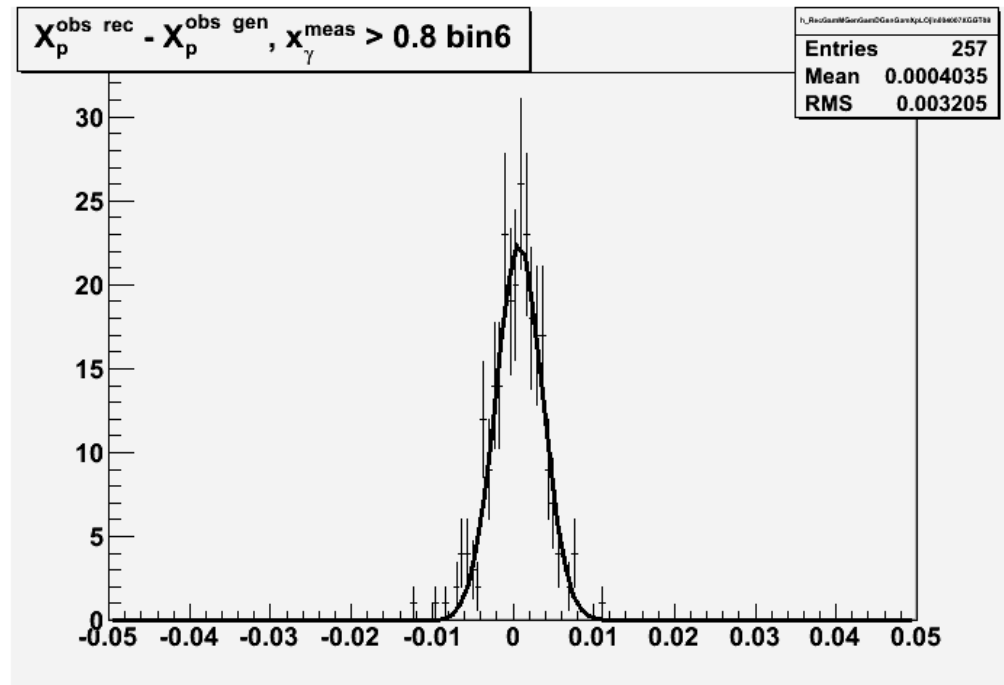
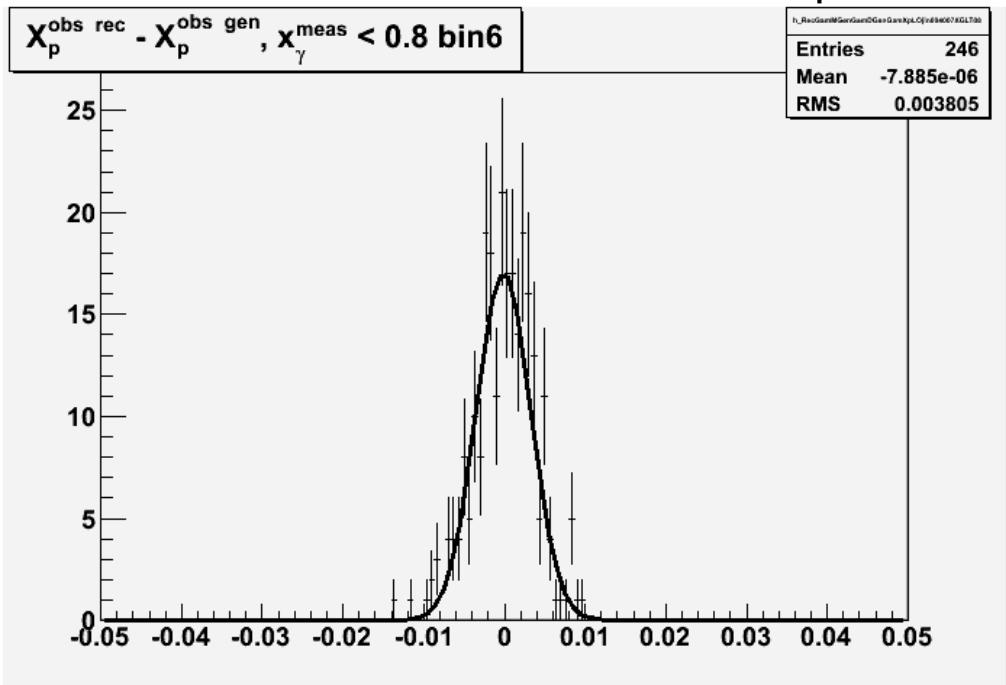
Bin 6 all xgamma

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	4.13827e+01	2.61888e+00	7.03529e-03	-1.03395e-05
2	Mean	1.93856e-04	1.53005e-04	4.97575e-07	2.21759e-01
3	Sigma	2.89694e-03	1.25114e-04	3.26503e-05	5.09021e-04

Bin 6 xgamma<0.7

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	1.18659e+01	1.37090e+00	2.56658e-03	-9.75237e-05
2	Mean	-1.16935e-04	3.40573e-04	8.84882e-07	-1.08033e-01
3	Sigma	3.77296e-03	3.71202e-04	5.90881e-05	-1.30371e-03

$X_p^{obs} [0.05, 0.07]$



Bin 6 xgamma<0.8

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	1.70520e+01	1.60947e+00	3.26665e-03	-2.39973e-08
2	Mean	-1.21900e-04	2.66288e-04	6.63059e-07	-1.27515e-03
3	Sigma	3.36944e-03	2.33193e-04	4.07981e-05	-3.64682e-05

Bin 6 xgamma>0.8

EXT	PARAMETER	STEP	FIRST		
NO.	NAME	VALUE	ERROR	SIZE	DERIVATIVE
1	Constant	2.23976e+01	1.96577e+00	3.19644e-03	-9.27844e-07
2	Mean	7.63388e-04	1.97529e-04	4.33119e-07	-3.73103e-03
3	Sigma	2.88539e-03	1.89081e-04	3.33978e-05	-3.20225e-04