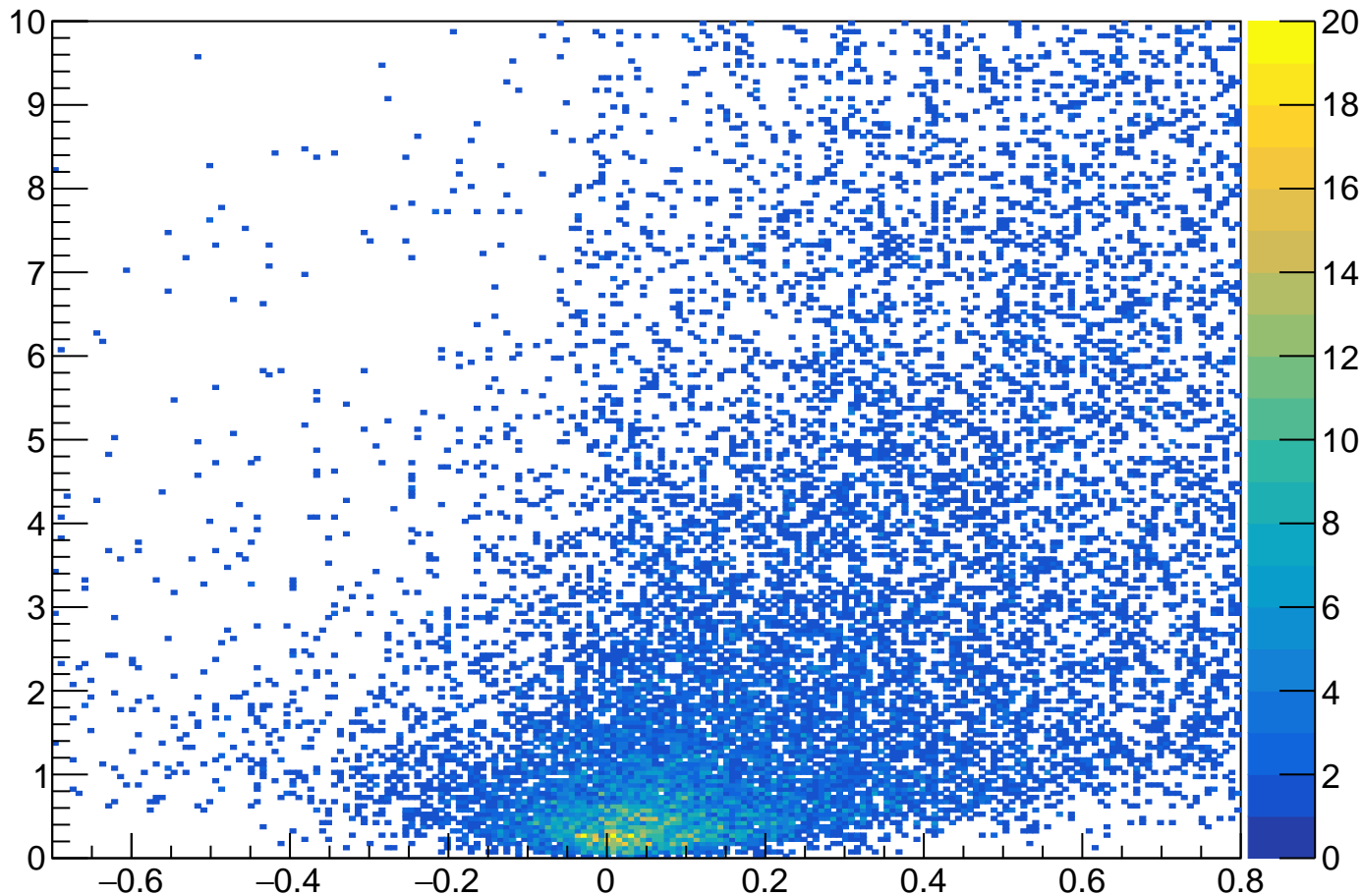
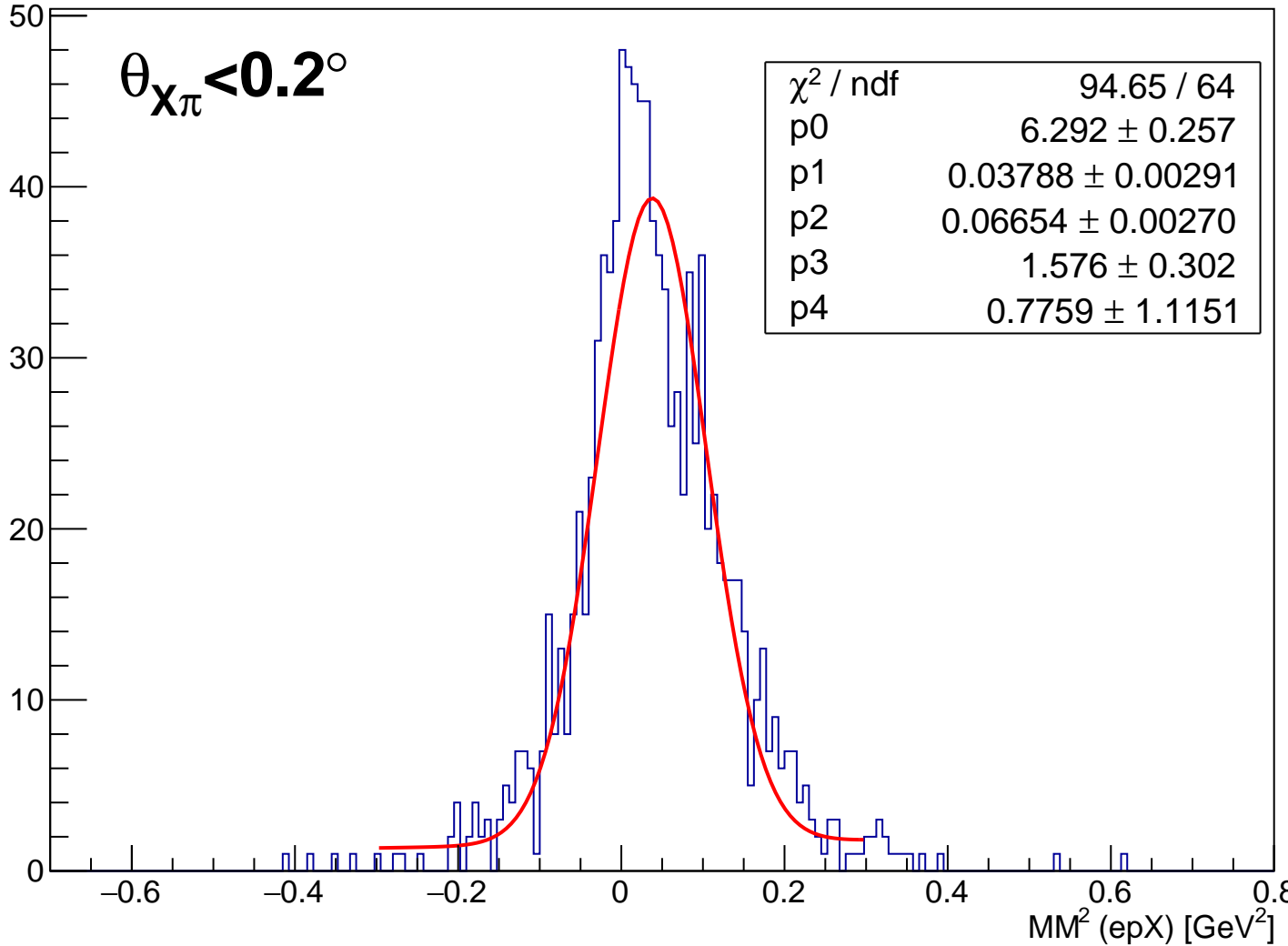


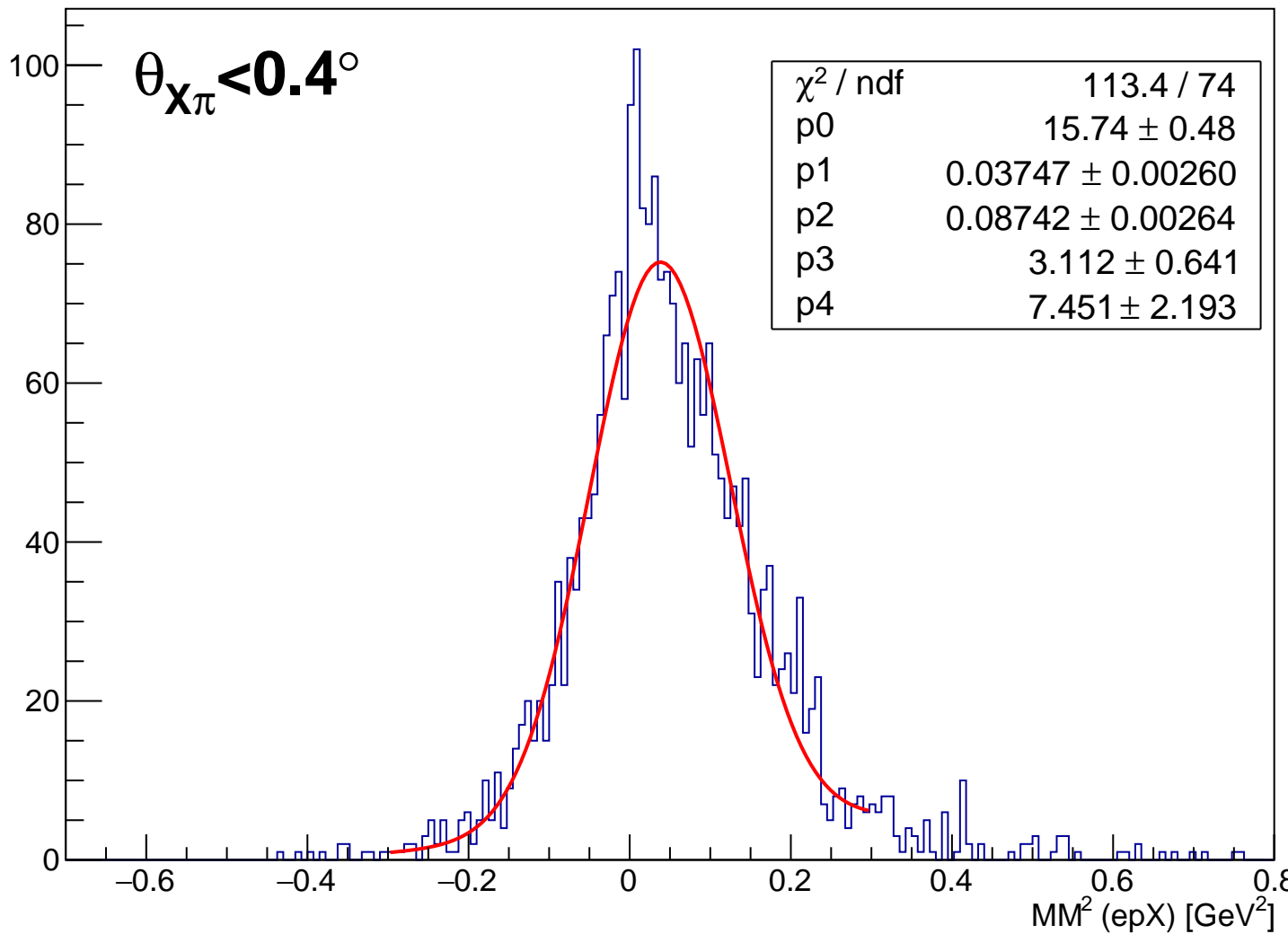
ep/pi0/ggpt/qq12/hepxtheta\_FD



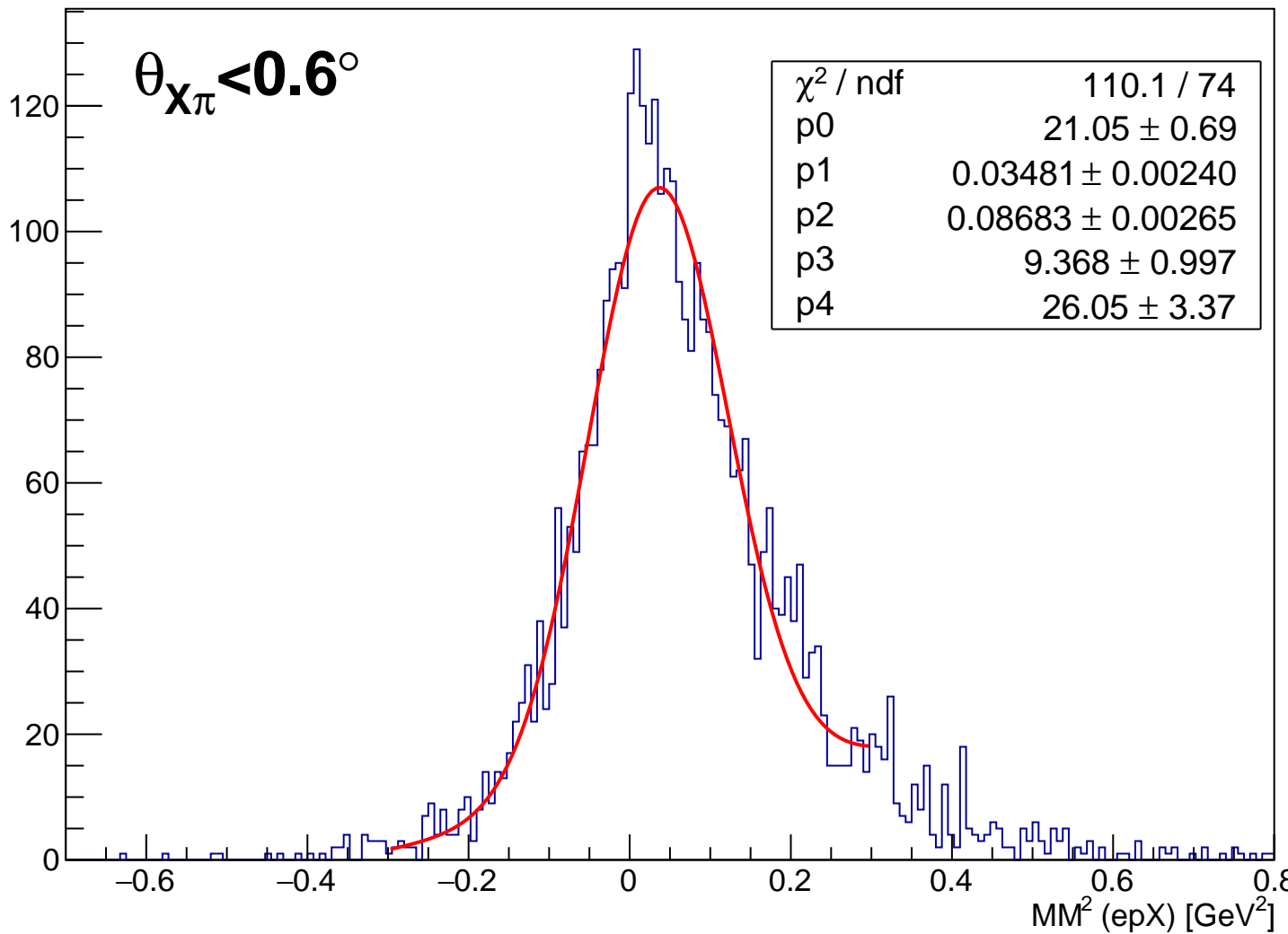
$\theta_{X\pi} < 0.2^\circ$

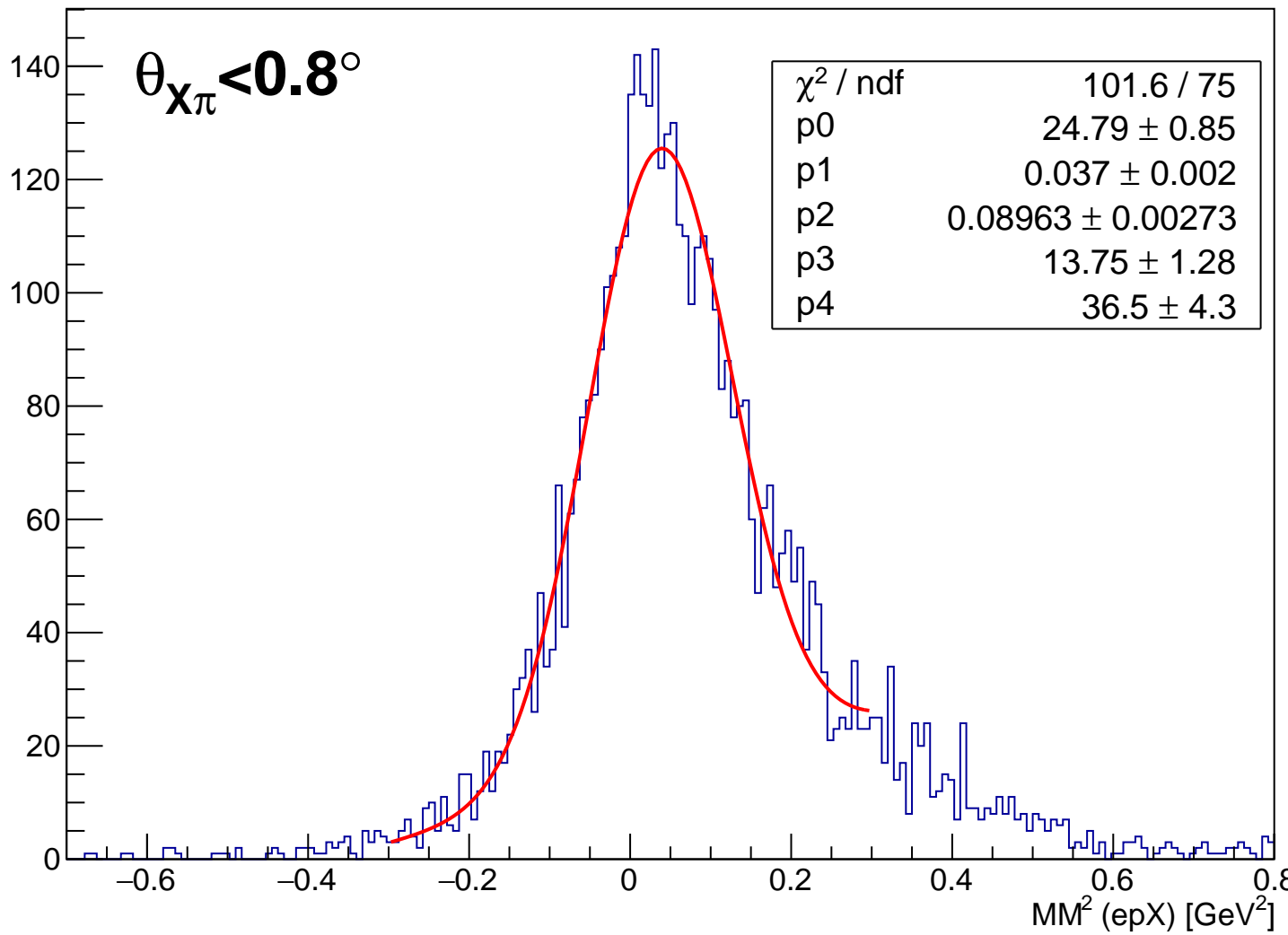
$\chi^2 / \text{ndf}$	94.65 / 64
p0	$6.292 \pm 0.257$
p1	$0.03788 \pm 0.00291$
p2	$0.06654 \pm 0.00270$
p3	$1.576 \pm 0.302$
p4	$0.7759 \pm 1.1151$



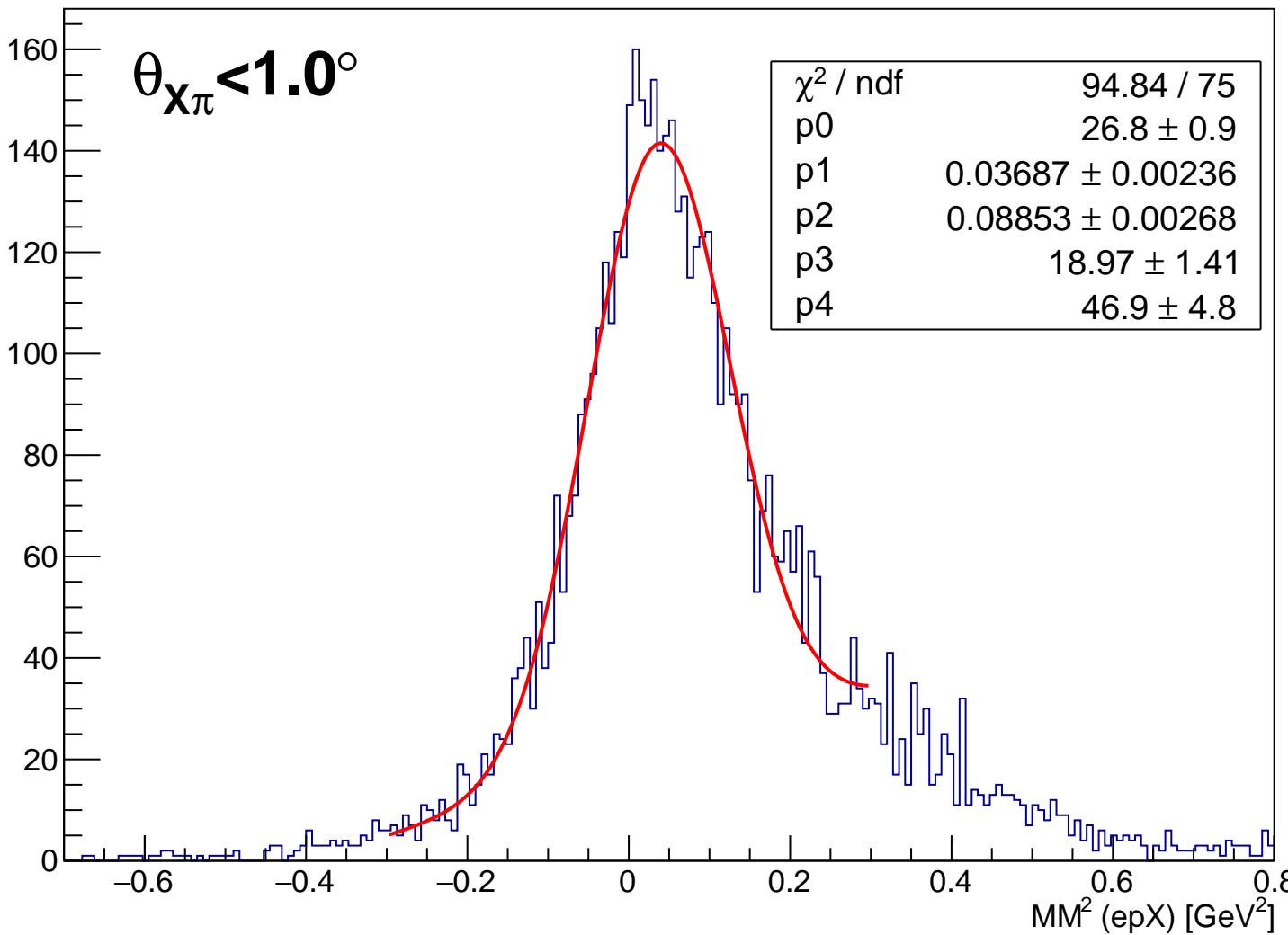


$\theta_{X\pi} < 0.6^\circ$

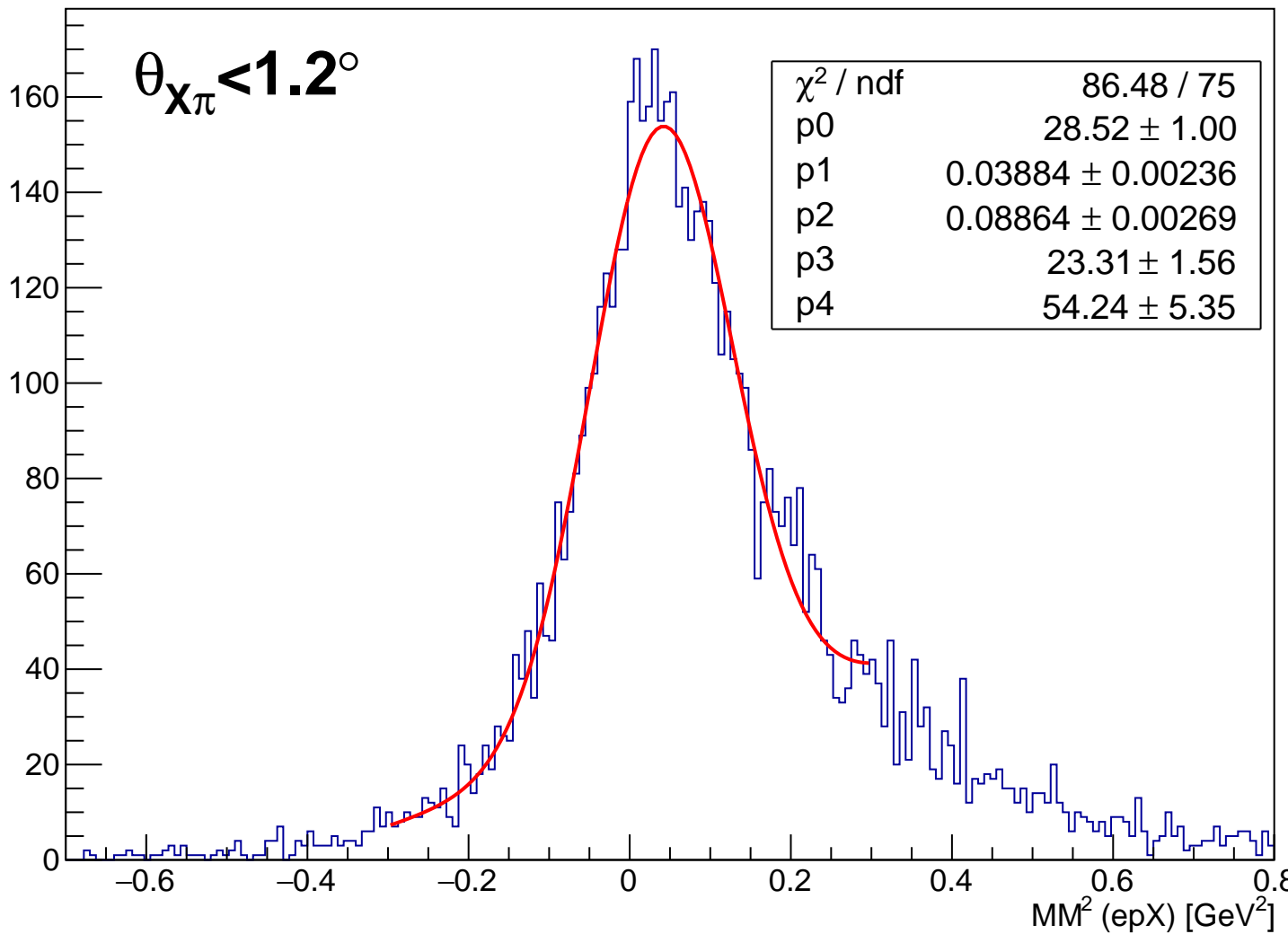




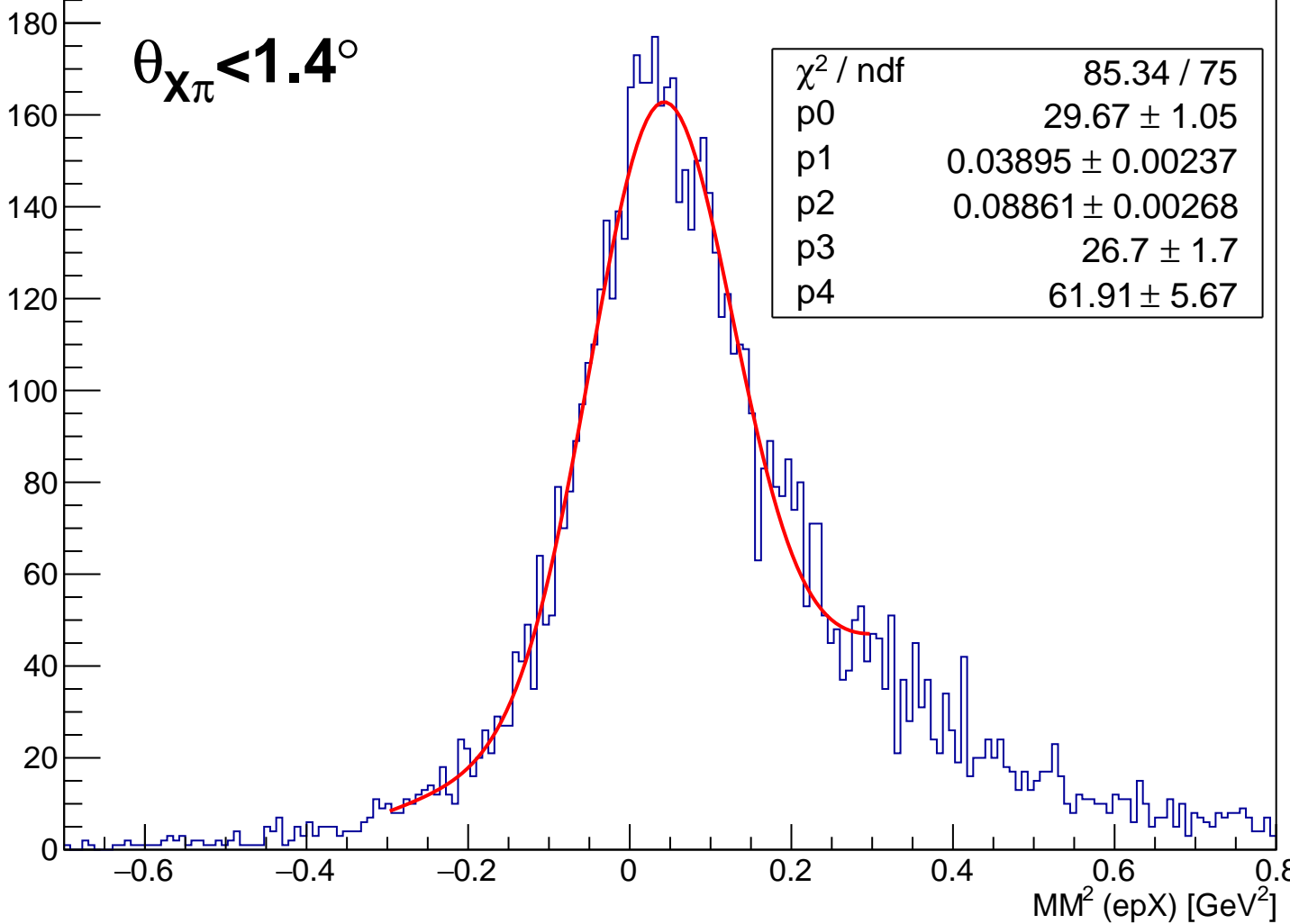
$\theta_{X\pi} < 1.0^\circ$



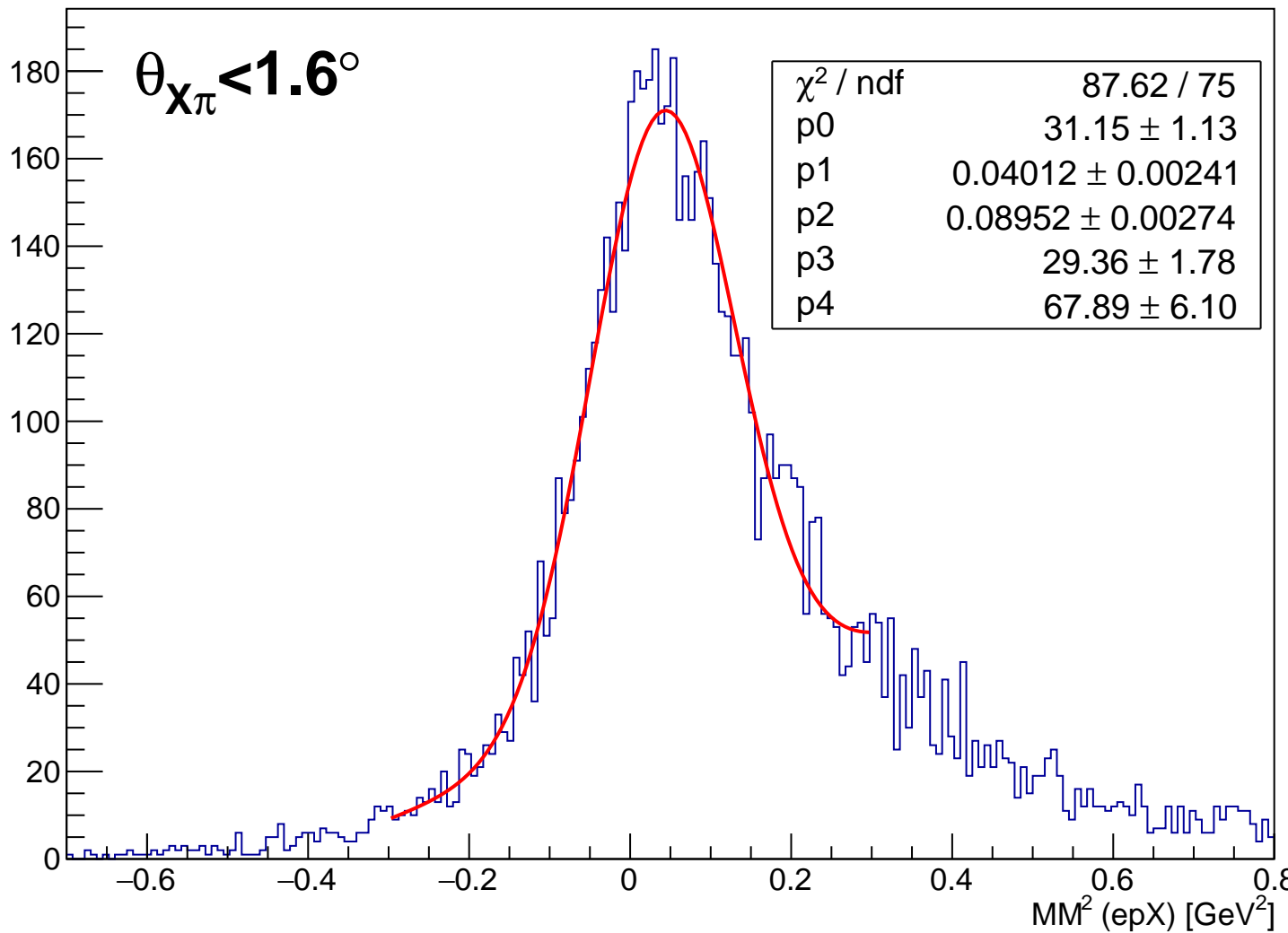
$\theta_{X\pi} < 1.2^\circ$



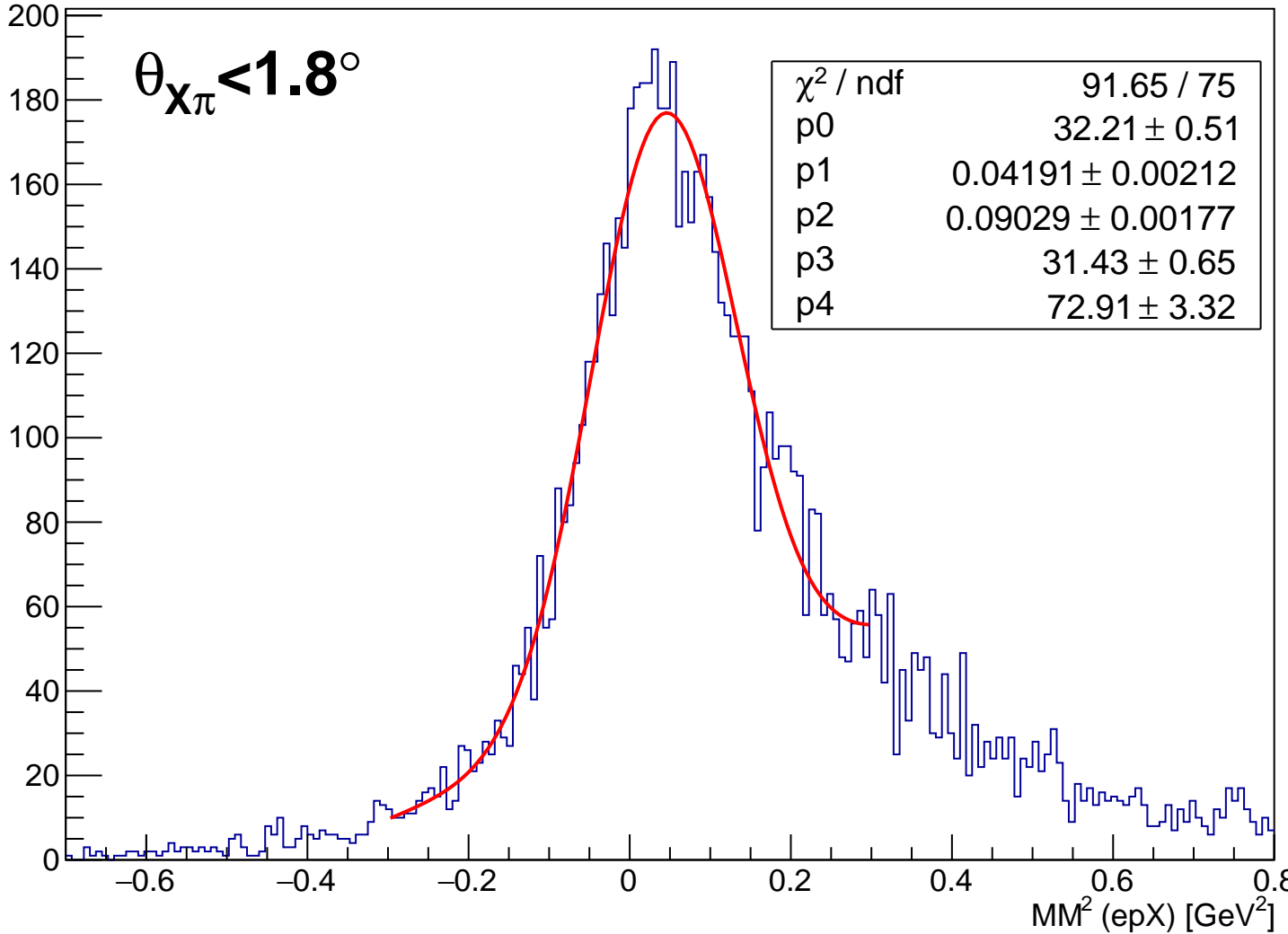
$\theta_{\pi} < 1.4^\circ$



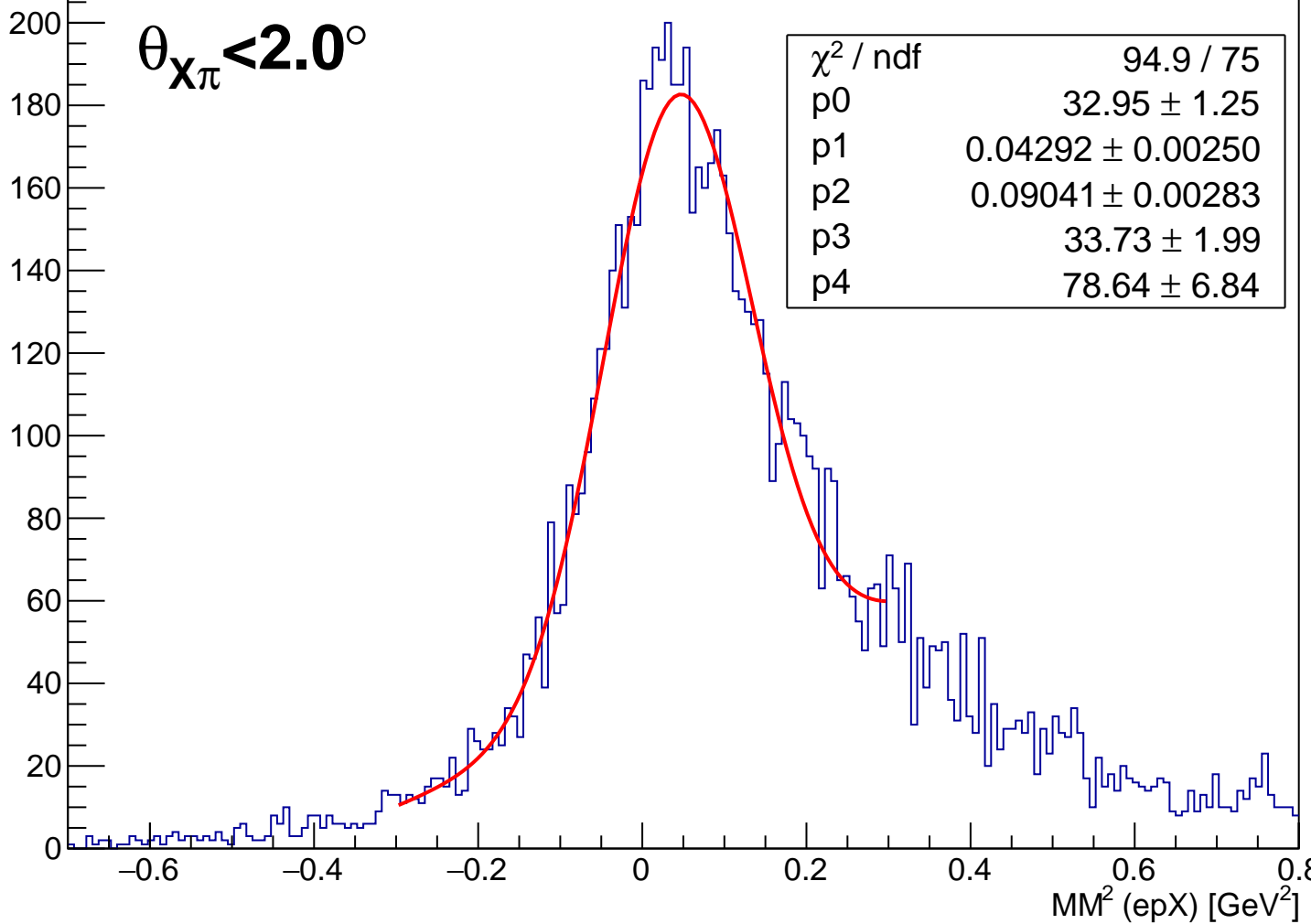




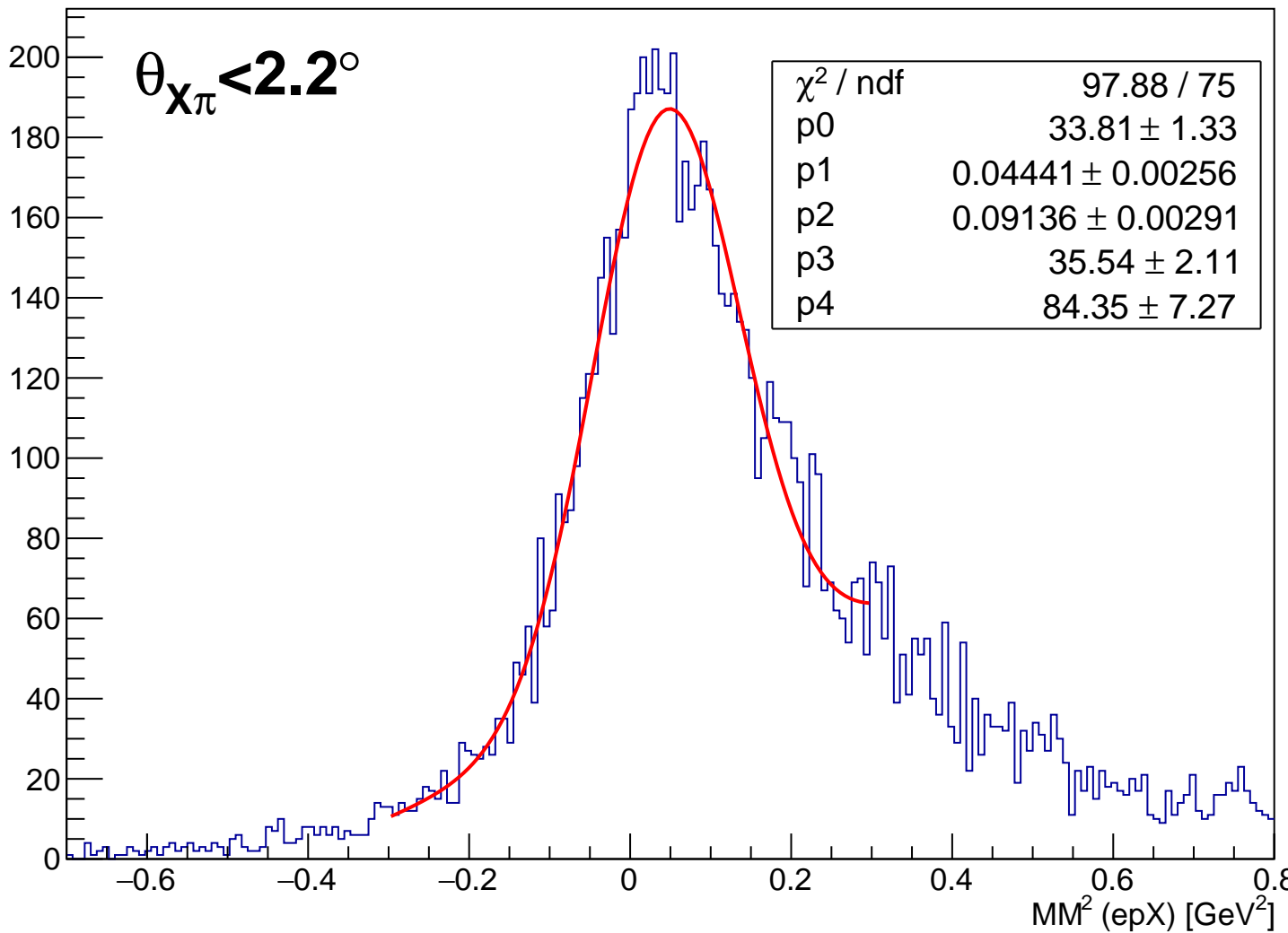
$\theta_{X\pi} < 1.8^\circ$

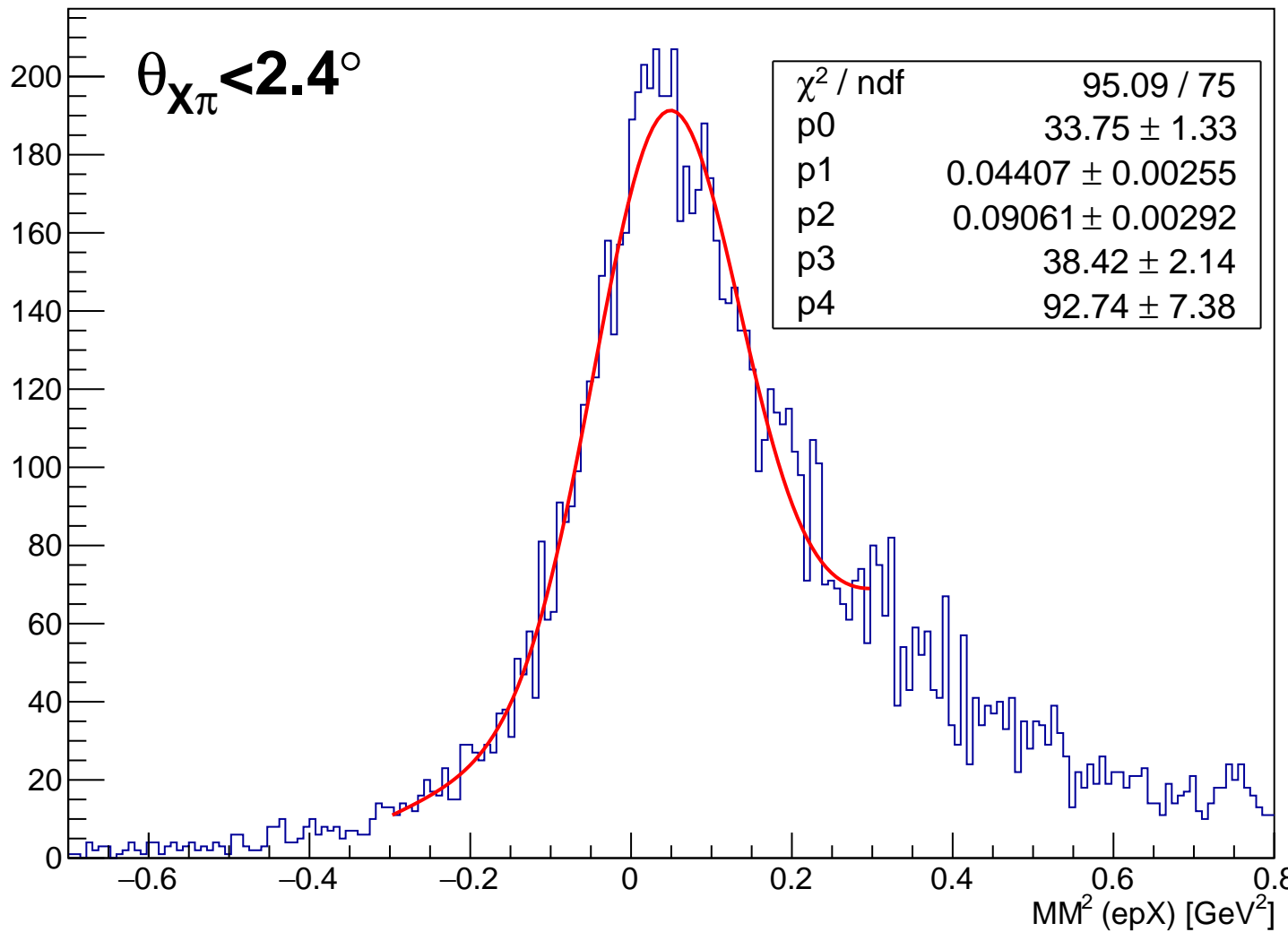


$\theta_{X\pi} < 2.0^\circ$

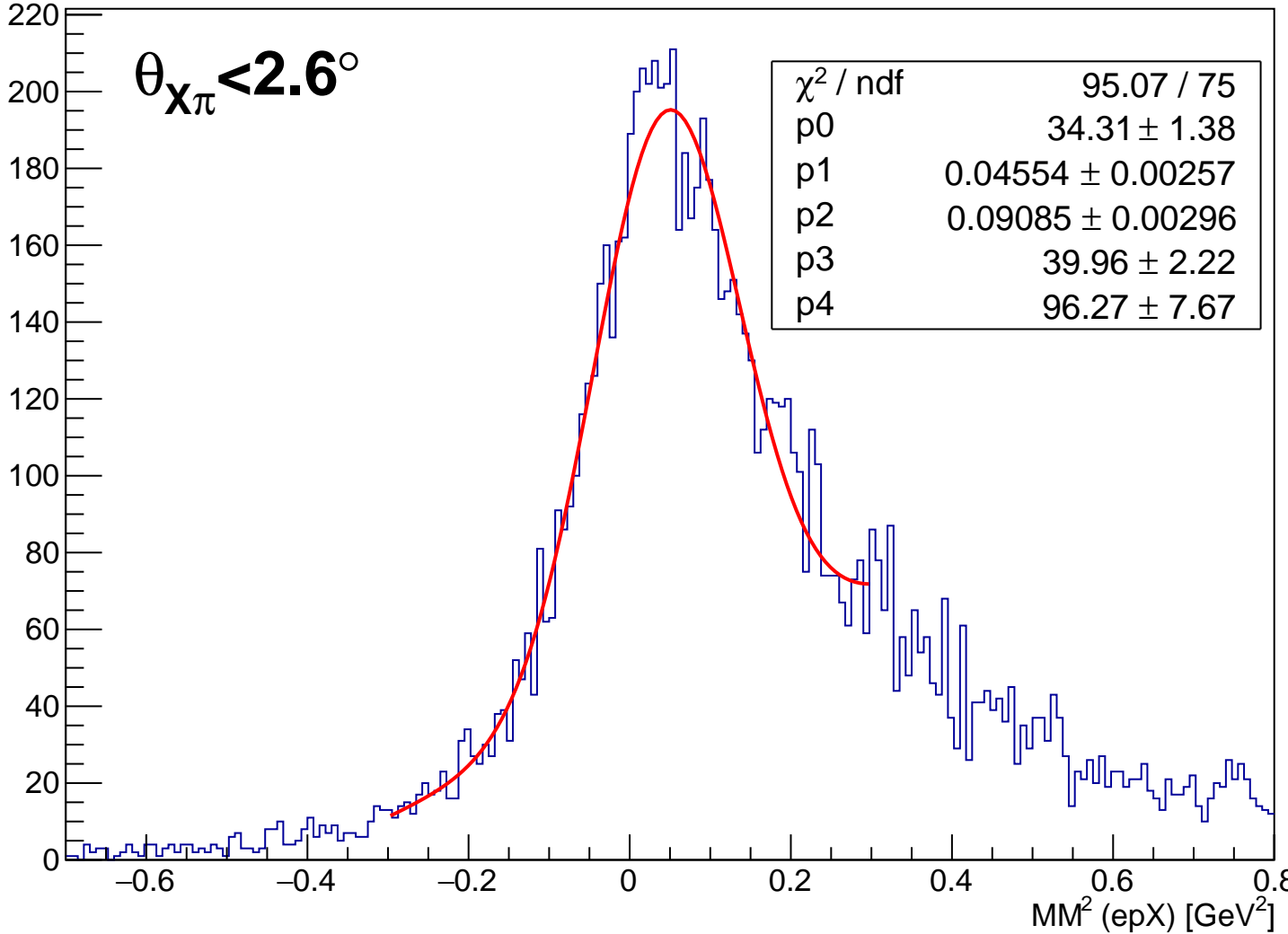


$\theta_{X\pi} < 2.2^\circ$

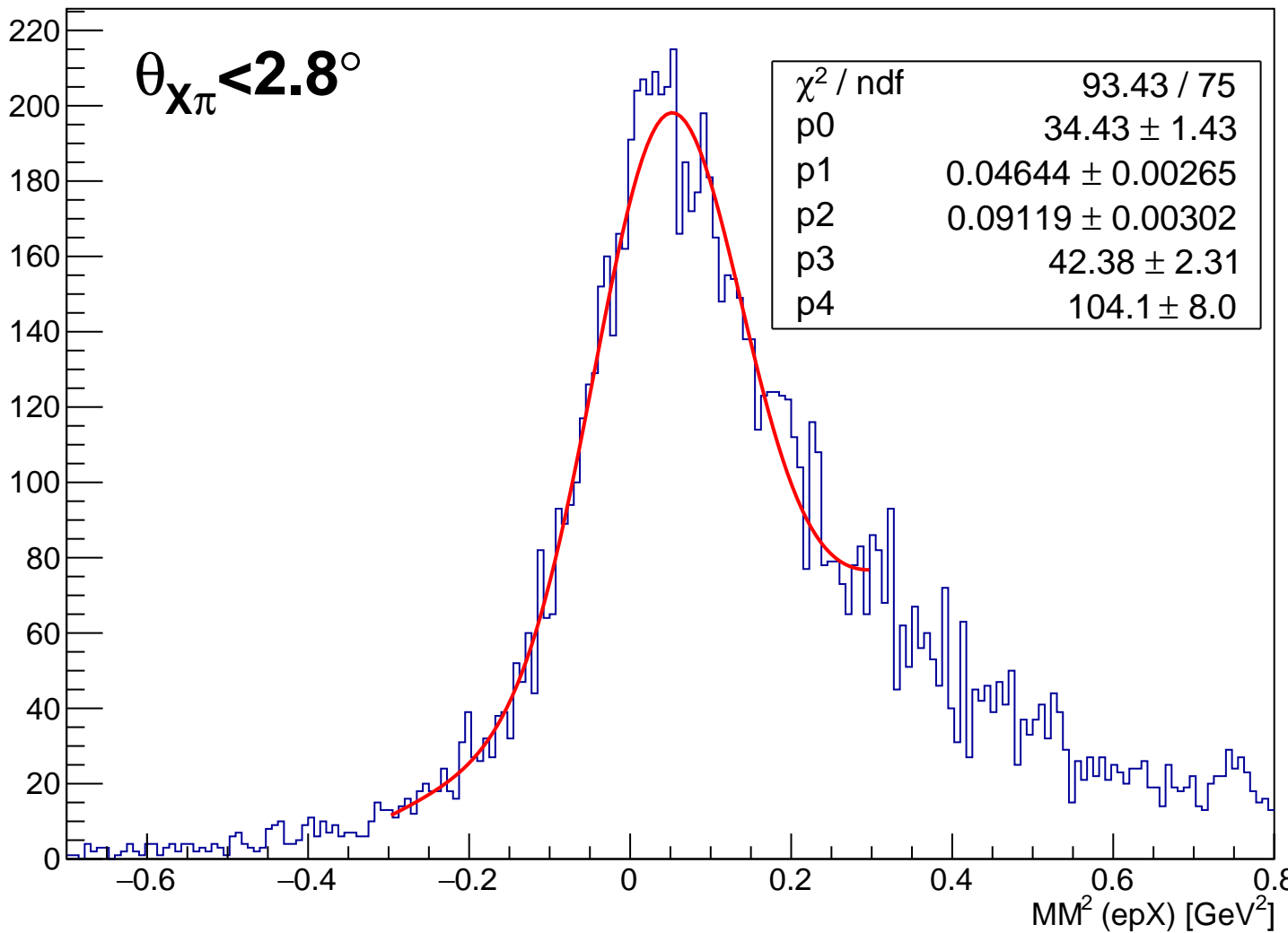




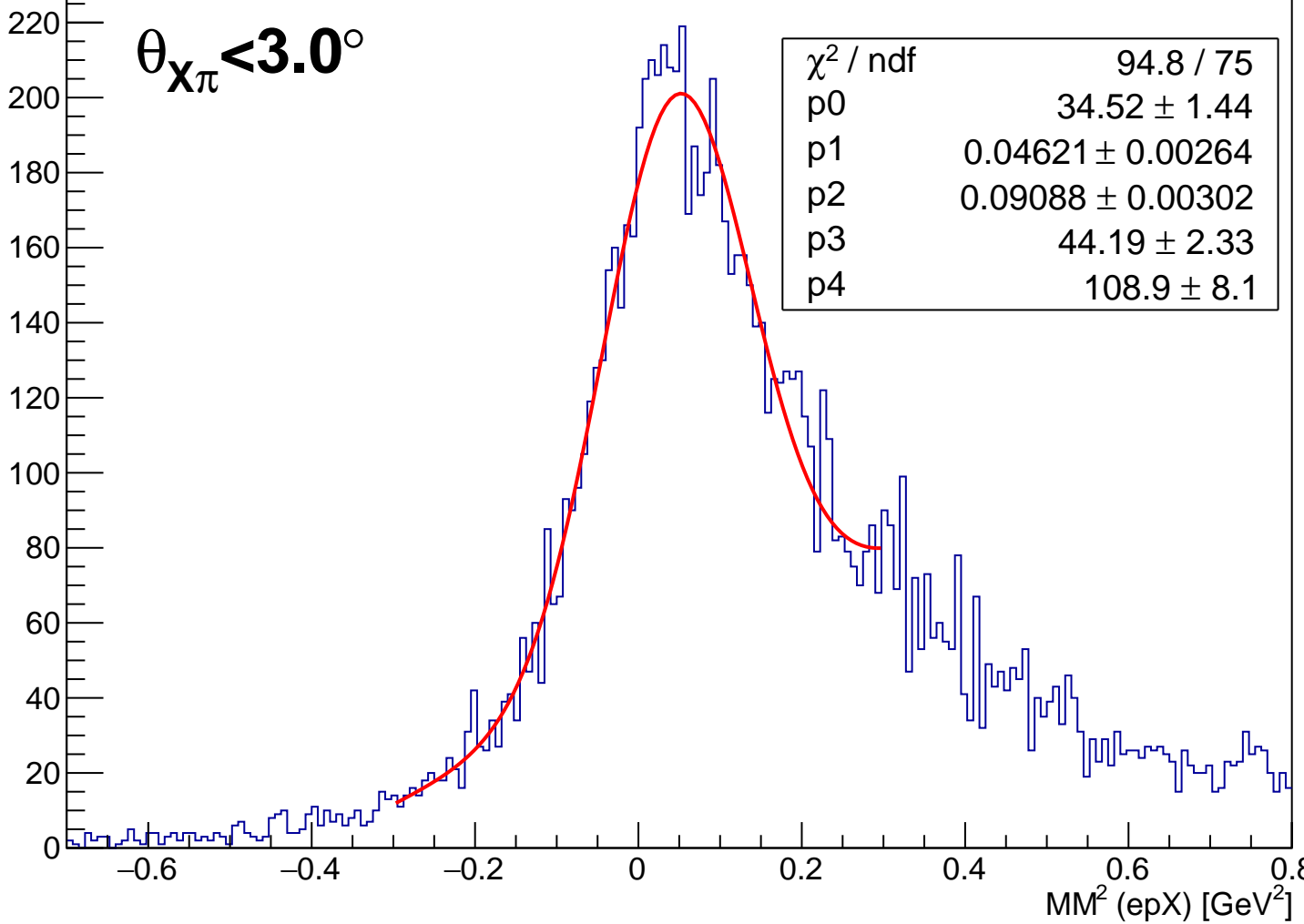
$\theta_{X\pi} < 2.6^\circ$



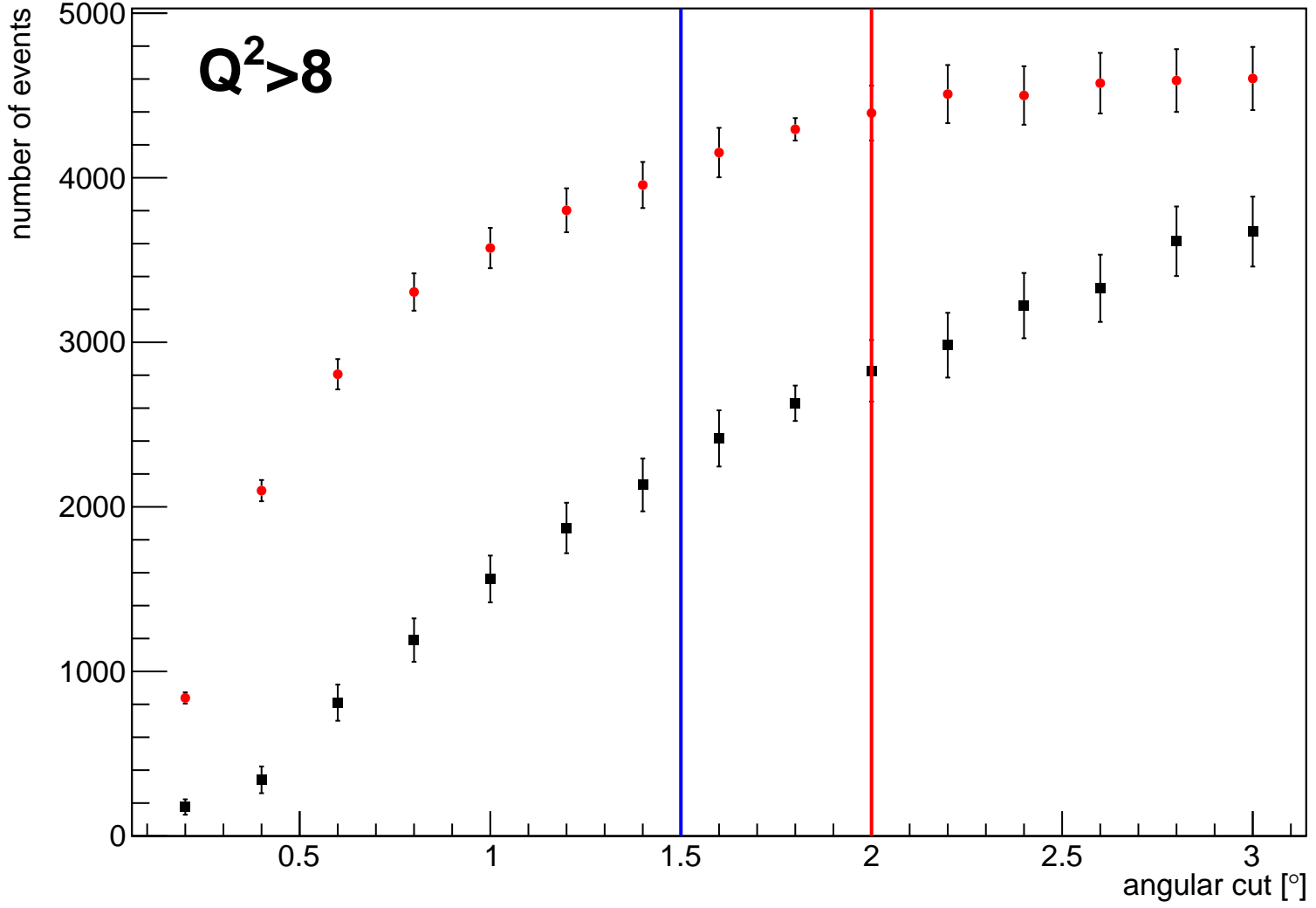
$\theta_{X\pi} < 2.8^\circ$



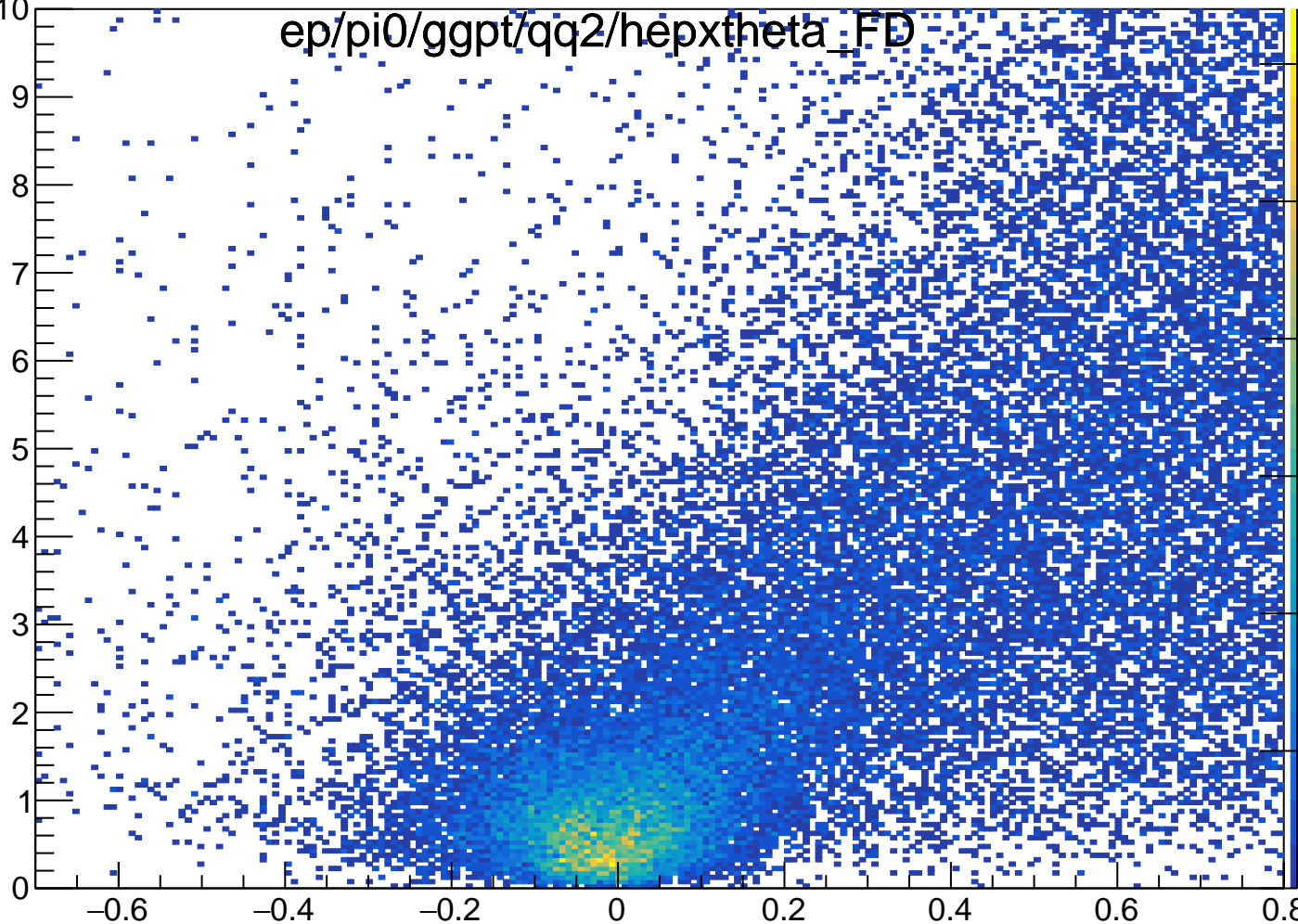
$\theta_{X\pi} < 3.0^\circ$

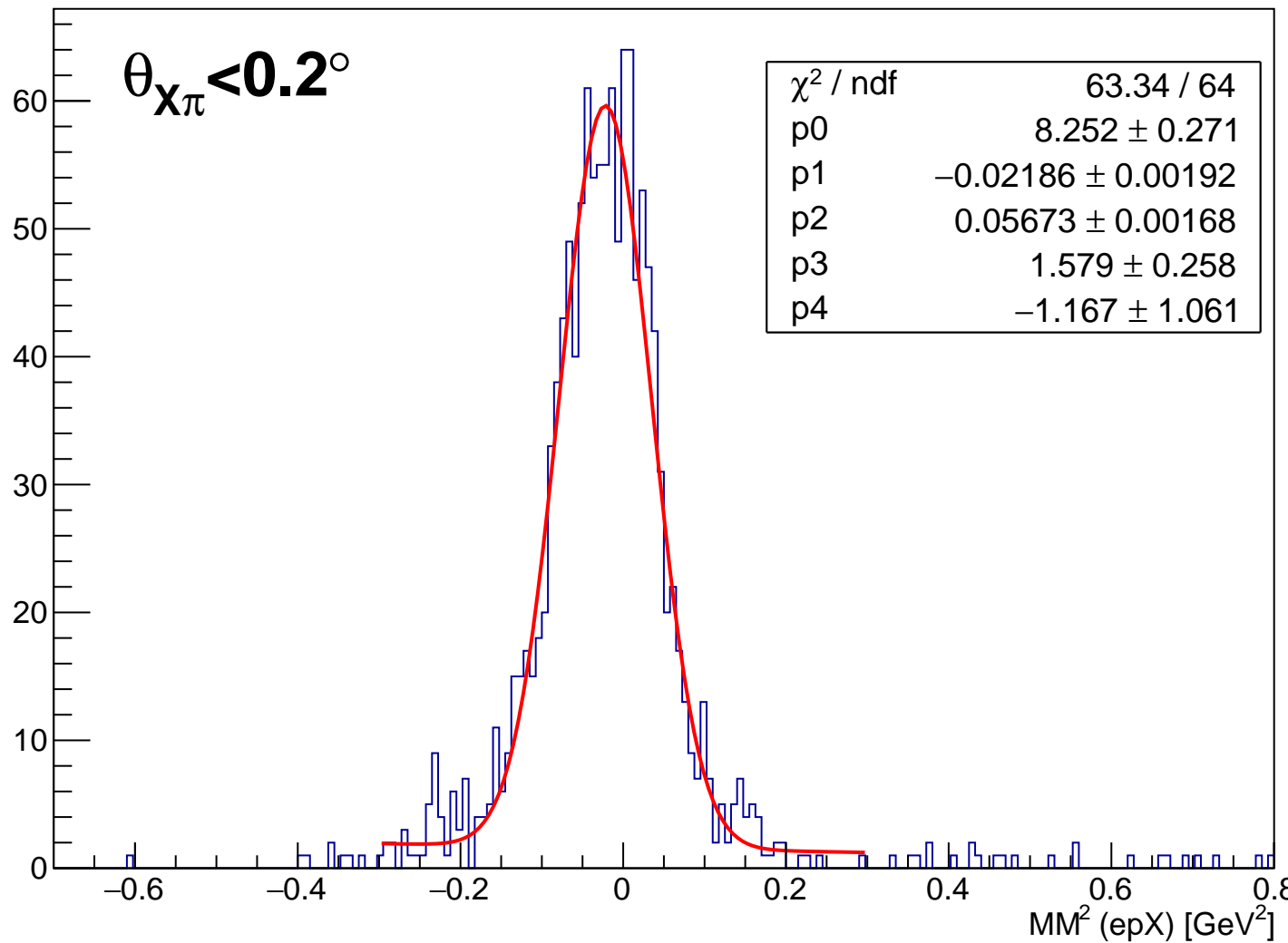




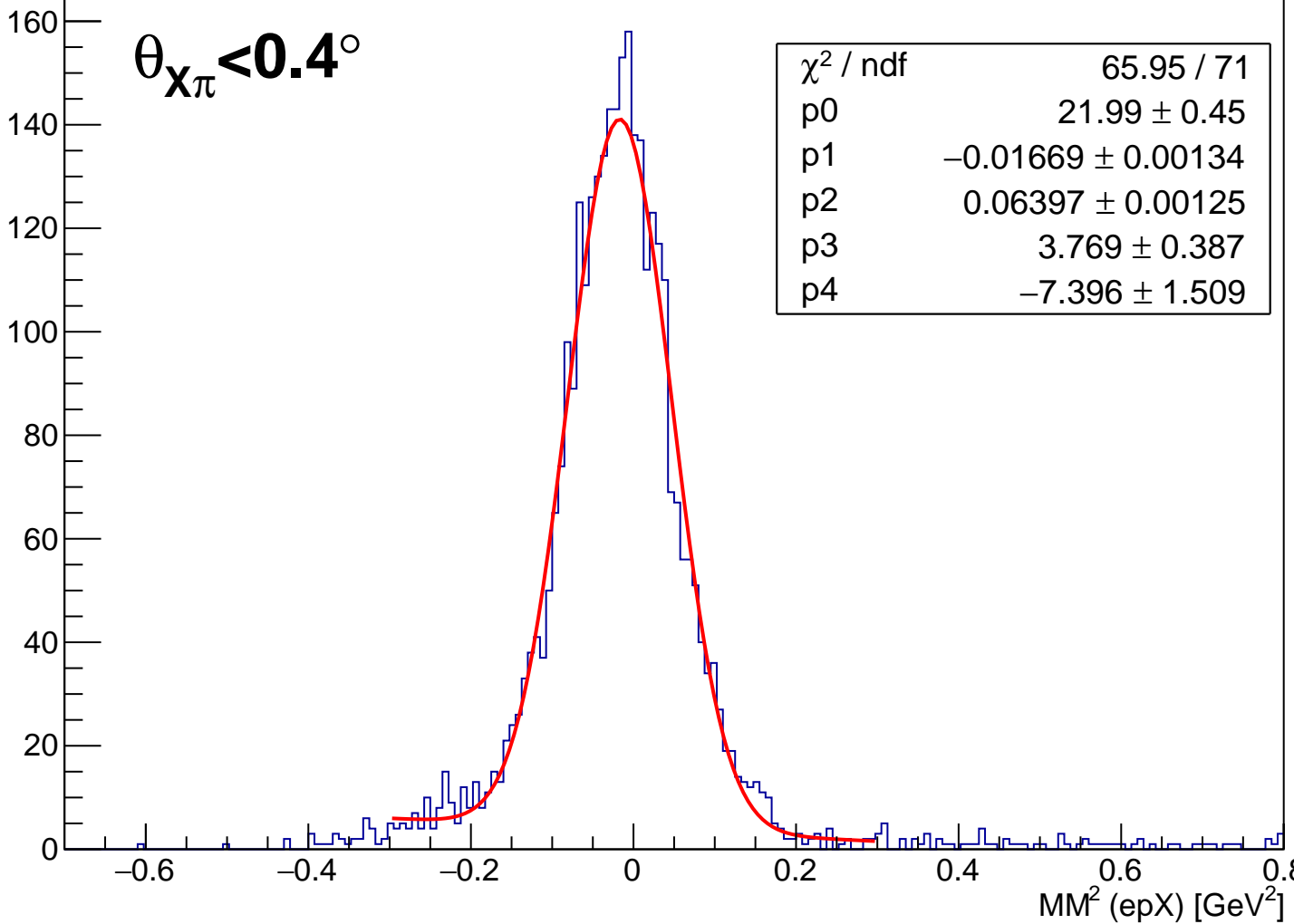


ep/pi0/ggpt/qq2/hepxtheta\_FD

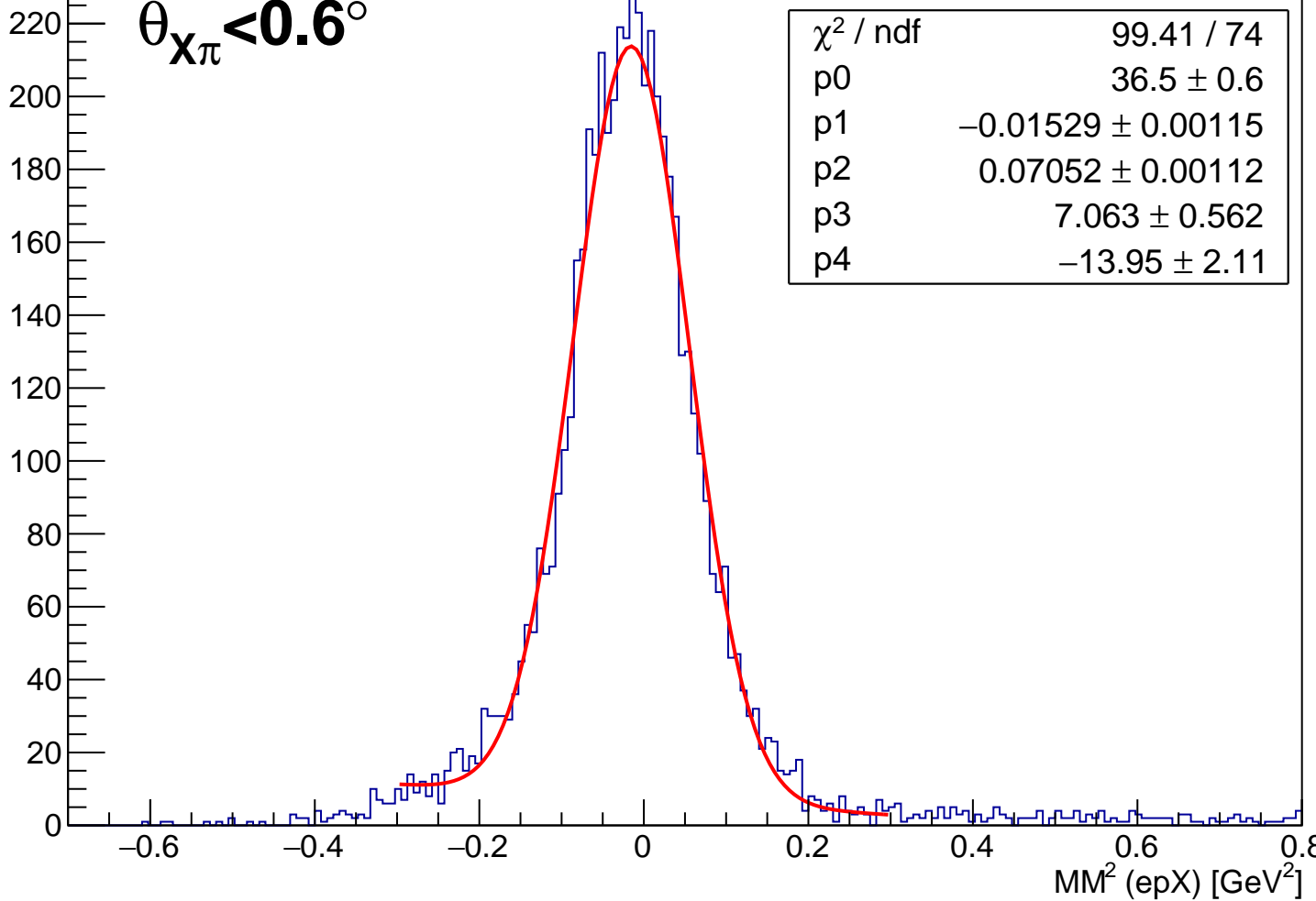




$\theta_{X\pi} < 0.4^\circ$



$\theta_{X\pi} < 0.6^\circ$



$\theta_{X\pi} < 0.8^\circ$

250  
200  
150  
100  
50  
0

-0.6

-0.4

-0.2

0

0.2

0.4

0.6

0.8

$MM^2$  (epX) [ $\text{GeV}^2$ ]

$\chi^2 / \text{ndf}$

117.7 / 75

p0

$50.16 \pm 0.72$

p1

$-0.01439 \pm 0.00107$

p2

$0.07603 \pm 0.00106$

p3

$10.13 \pm 0.73$

p4

$-16.93 \pm 2.57$

$\theta_{X\pi} < 1.0^\circ$

300

250

200

150

100

50

0

-0.6

-0.4

-0.2

0

0.2

0.4

0.6

0.8

$MM^2$  (epX) [ $\text{GeV}^2$ ]

$\chi^2 / \text{ndf}$

87.34 / 75

p0

$61.12 \pm 0.82$

p1

$-0.01395 \pm 0.00105$

p2

$0.07953 \pm 0.00106$

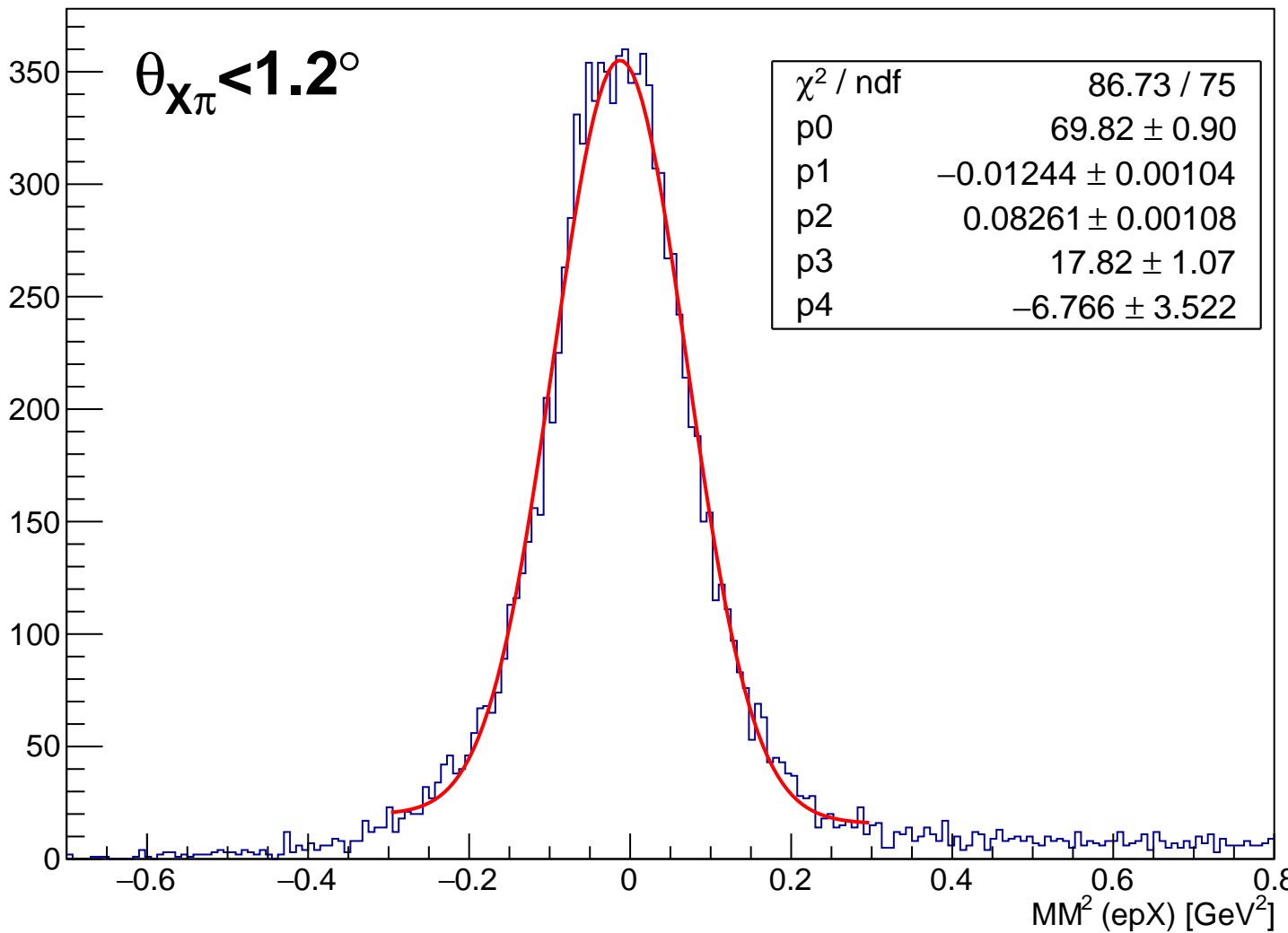
p3

$14.24 \pm 0.92$

p4

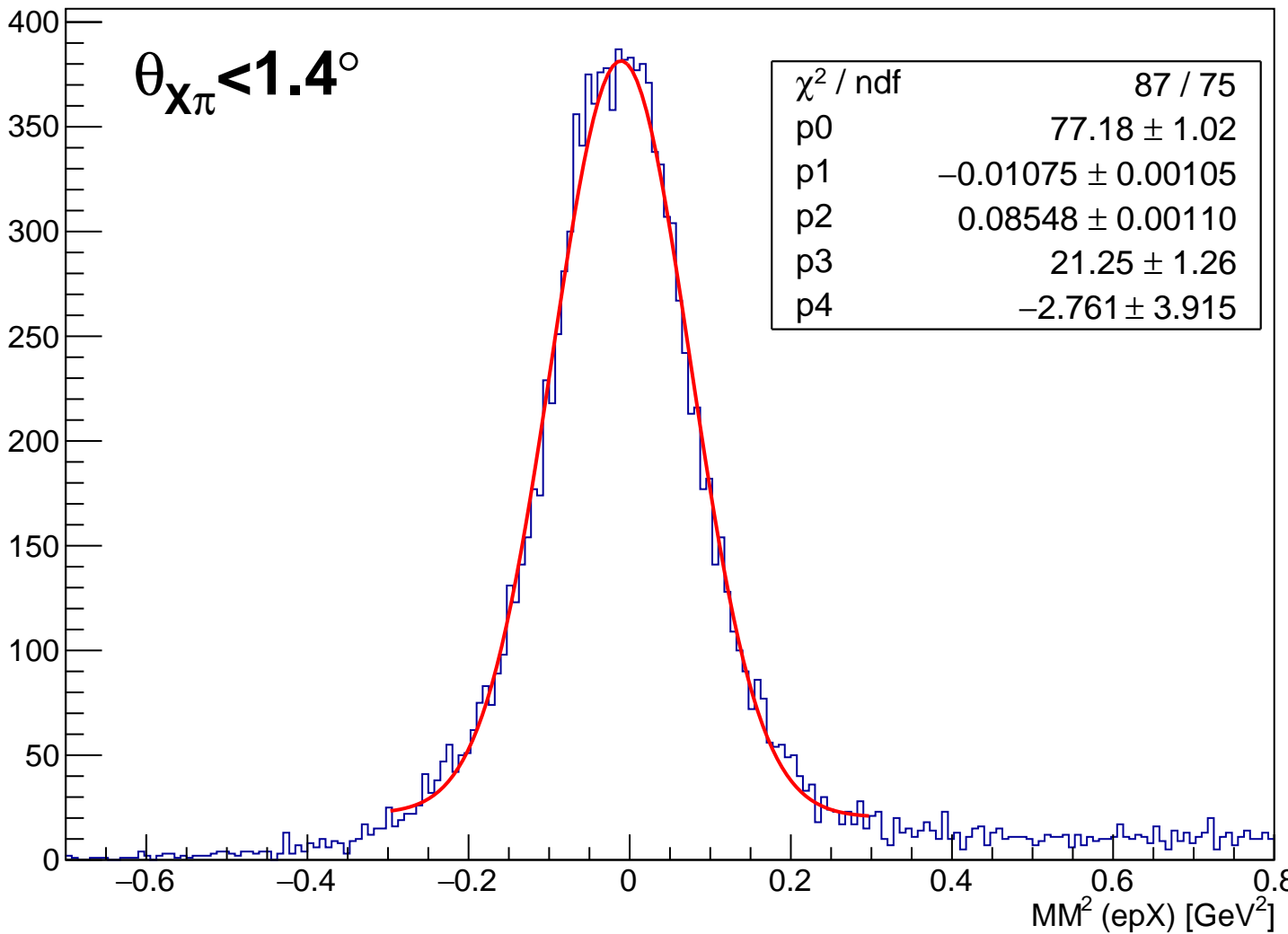
$-9.856 \pm 3.098$

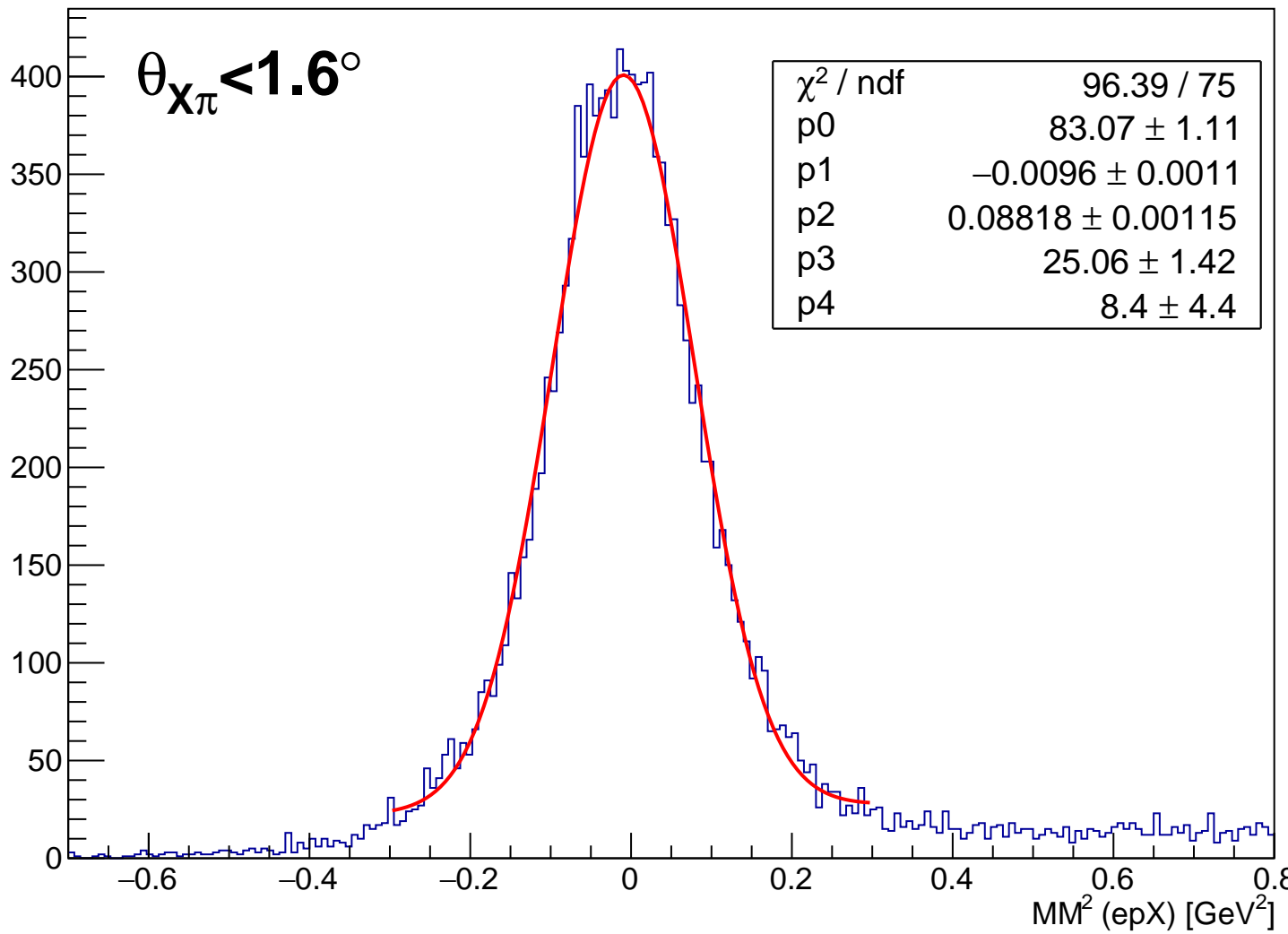
$\theta_{X\pi} < 1.2^\circ$



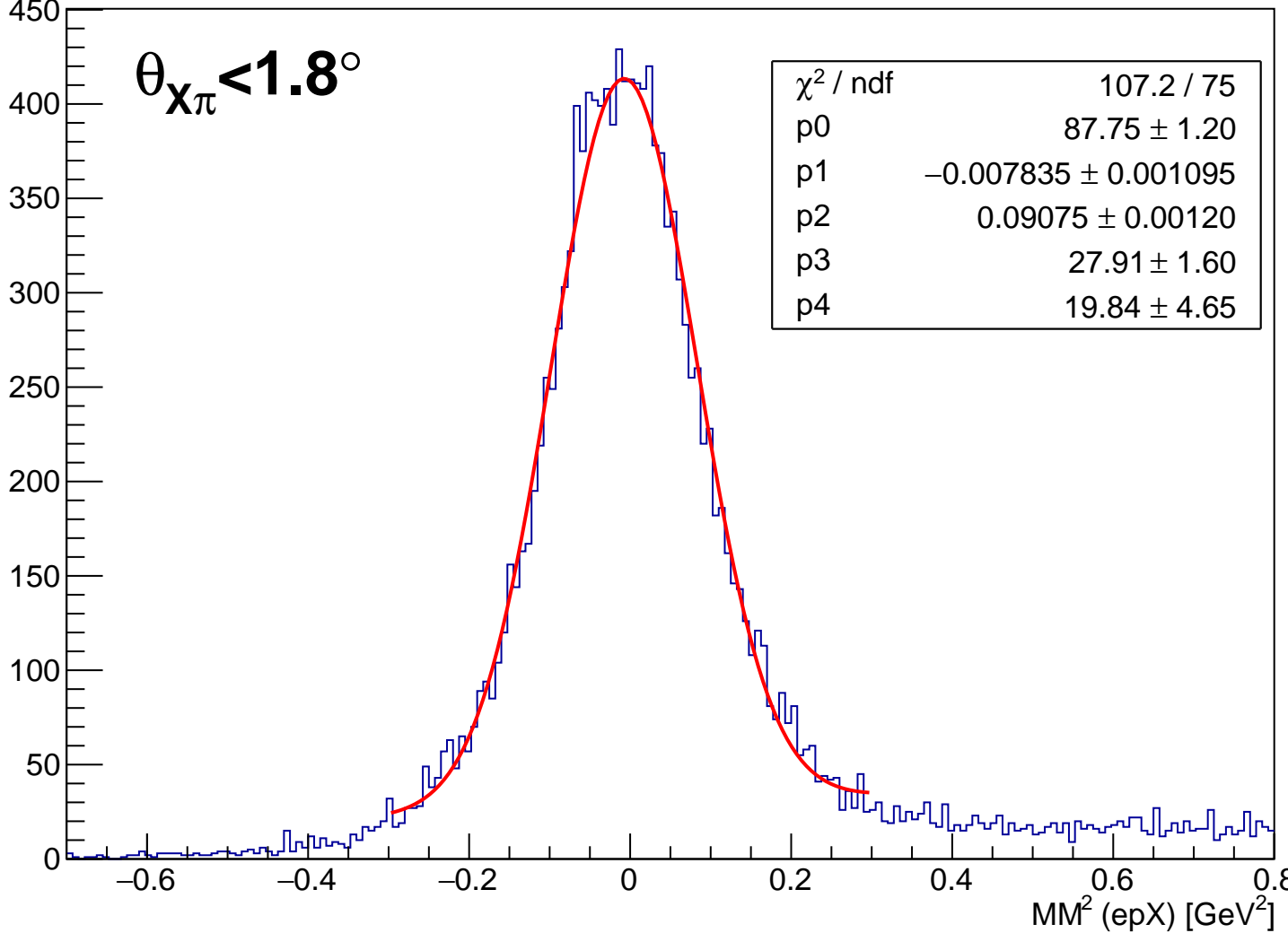


$\theta_{X\pi} < 1.4^\circ$

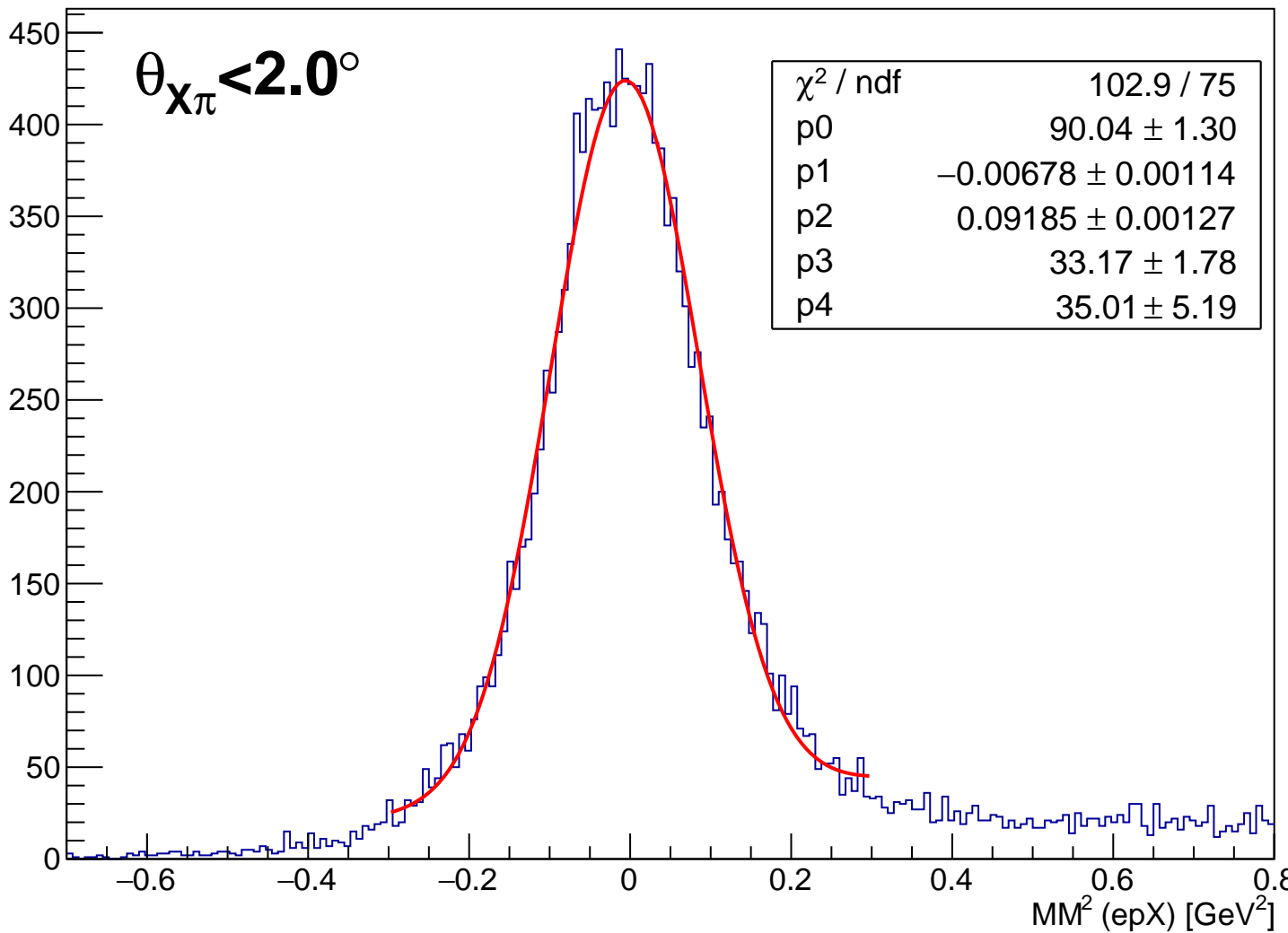




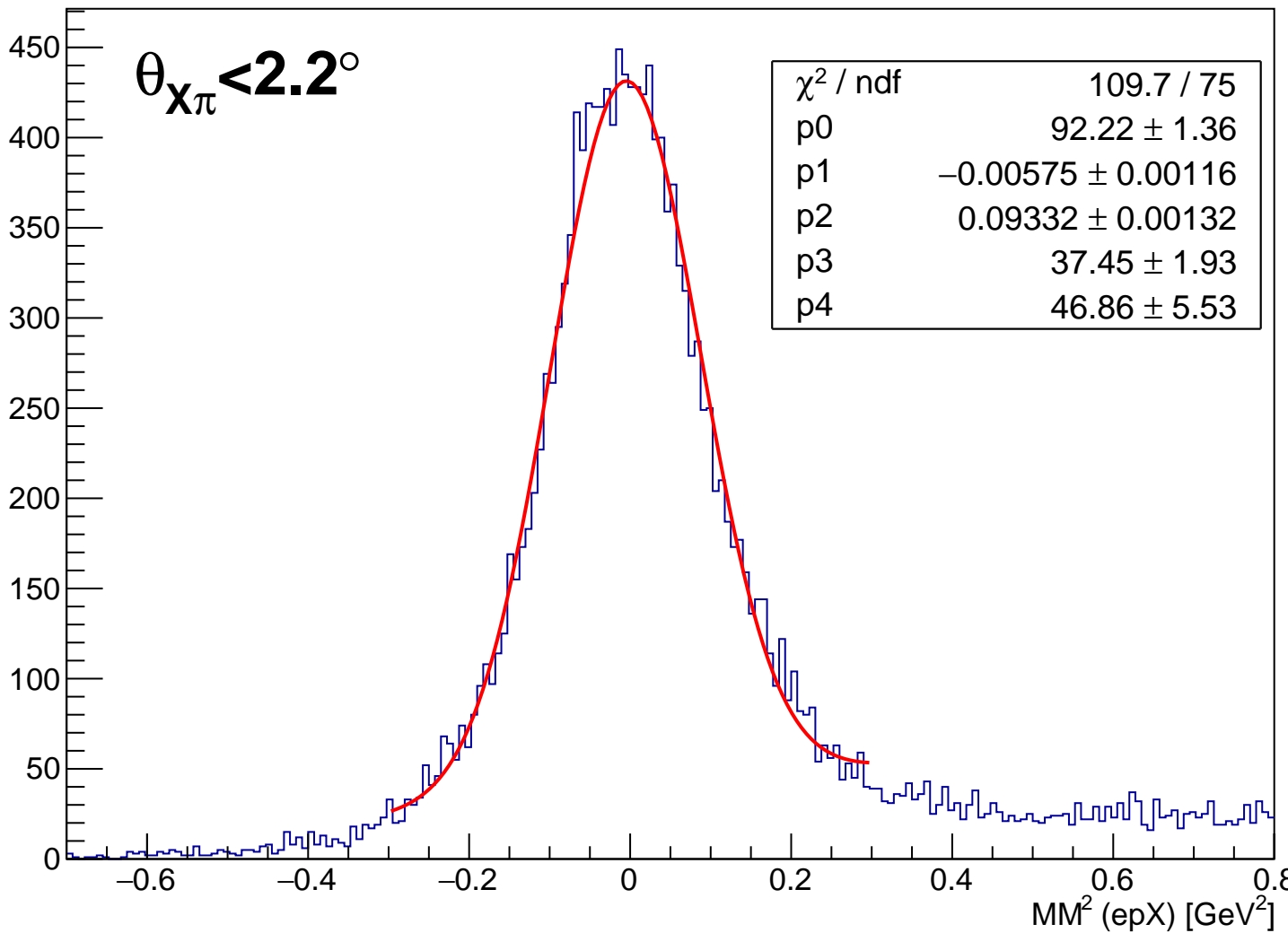
$\theta_{X\pi} < 1.8^\circ$



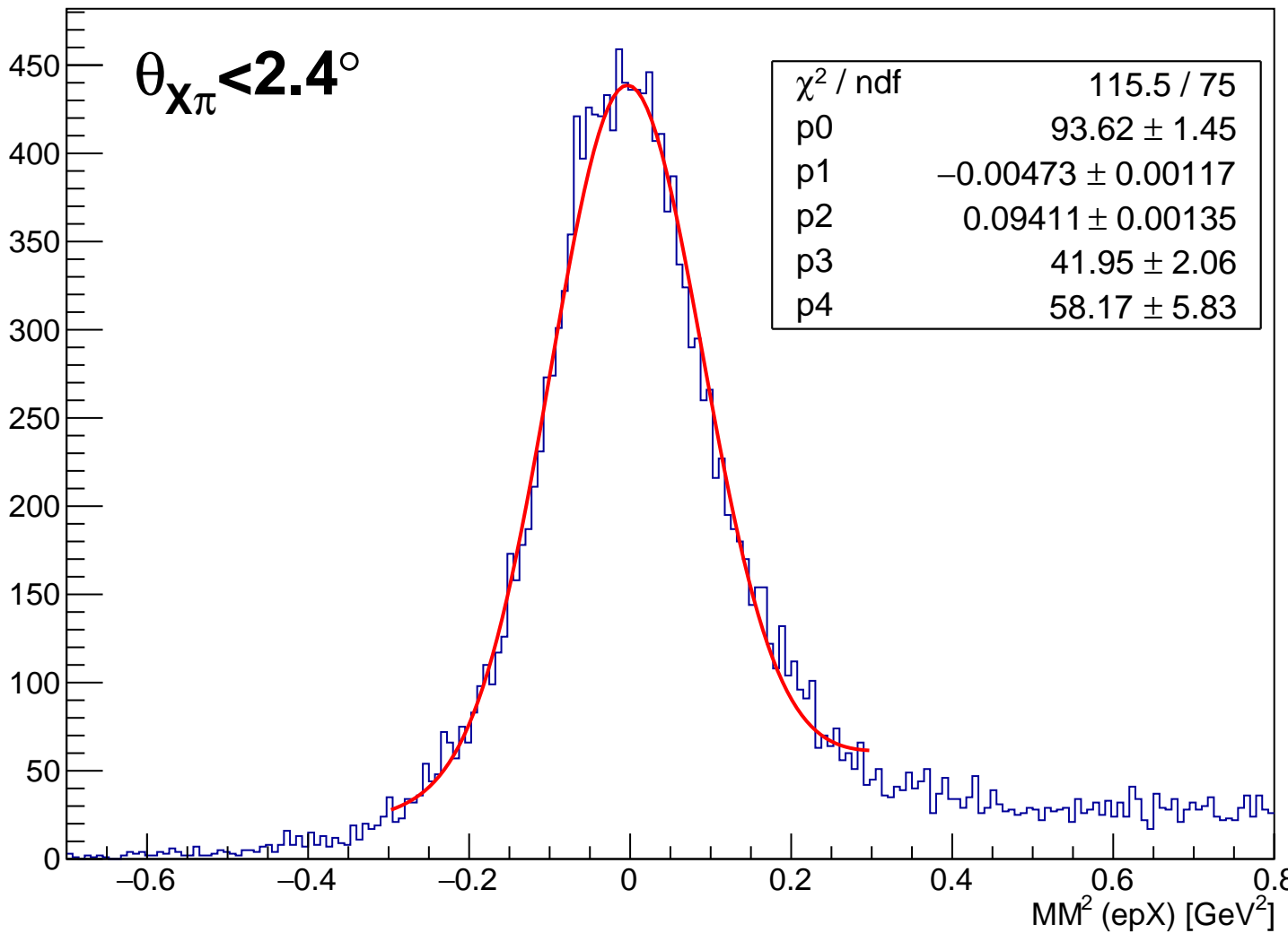
$\theta_{X\pi} < 2.0^\circ$



$\theta_{X\pi} < 2.2^\circ$



$\theta_{X\pi} < 2.4^\circ$



$\theta_{X\pi} < 2.6^\circ$

450  
400  
350  
300  
250  
200  
150  
100  
50  
0

-0.6

-0.4

-0.2

0

0.2

0.4

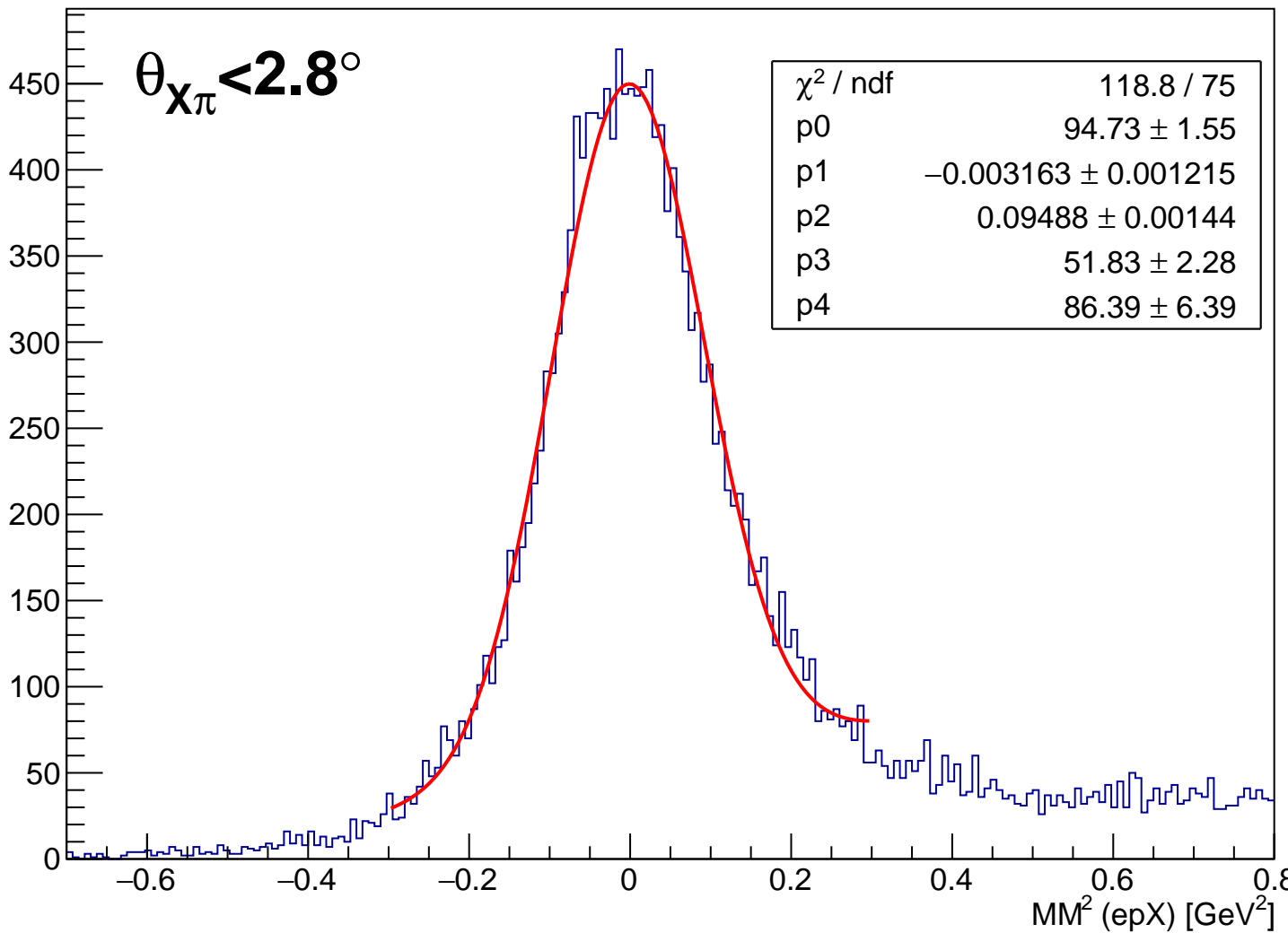
0.6

0.8

$MM^2$  (epX) [ $\text{GeV}^2$ ]

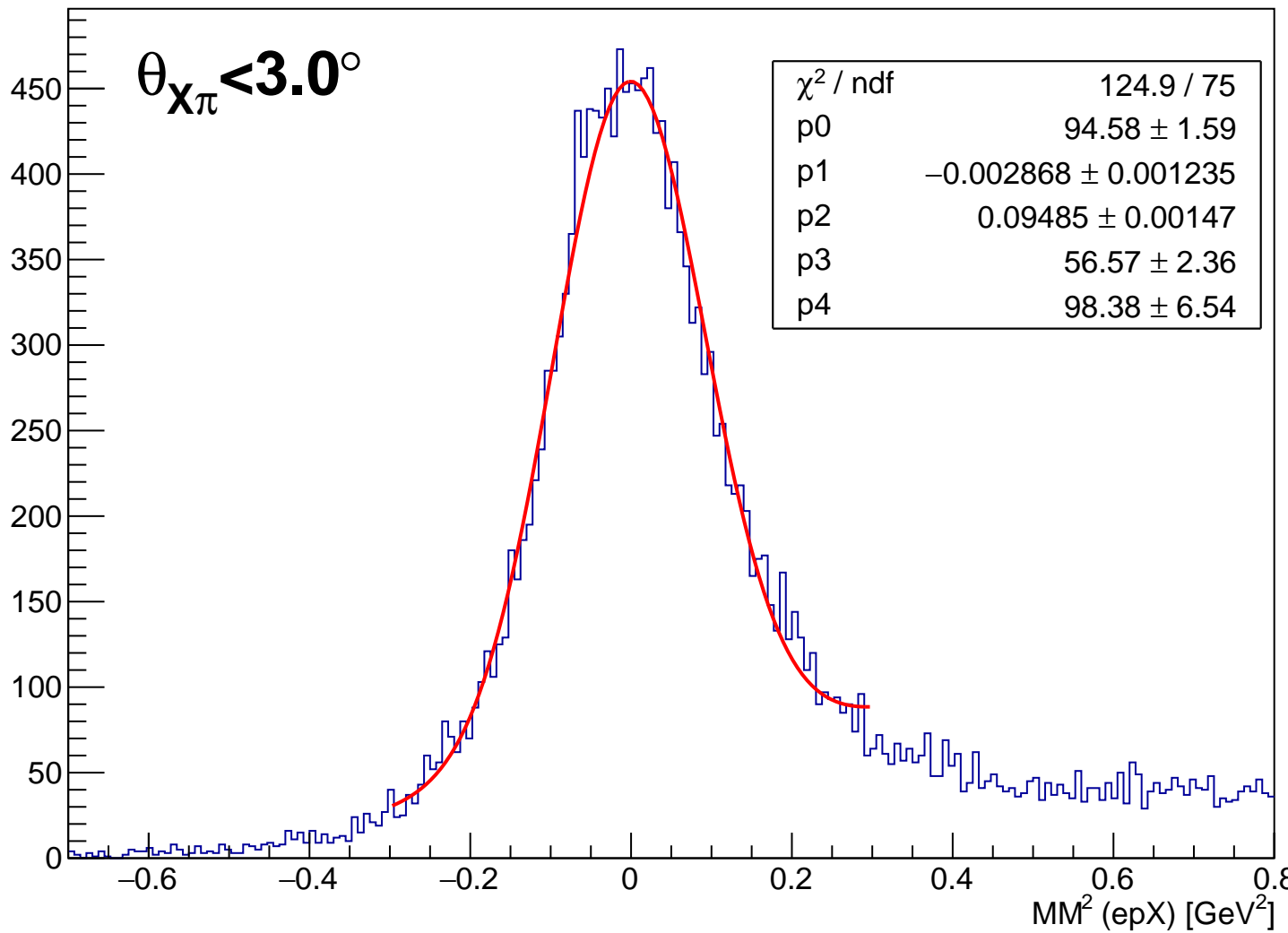
$\chi^2 / \text{ndf}$	122.2 / 75
p0	$94.81 \pm 1.51$
p1	$-0.003881 \pm 0.001191$
p2	$0.09487 \pm 0.00140$
p3	$46.19 \pm 2.17$
p4	$71.99 \pm 6.11$

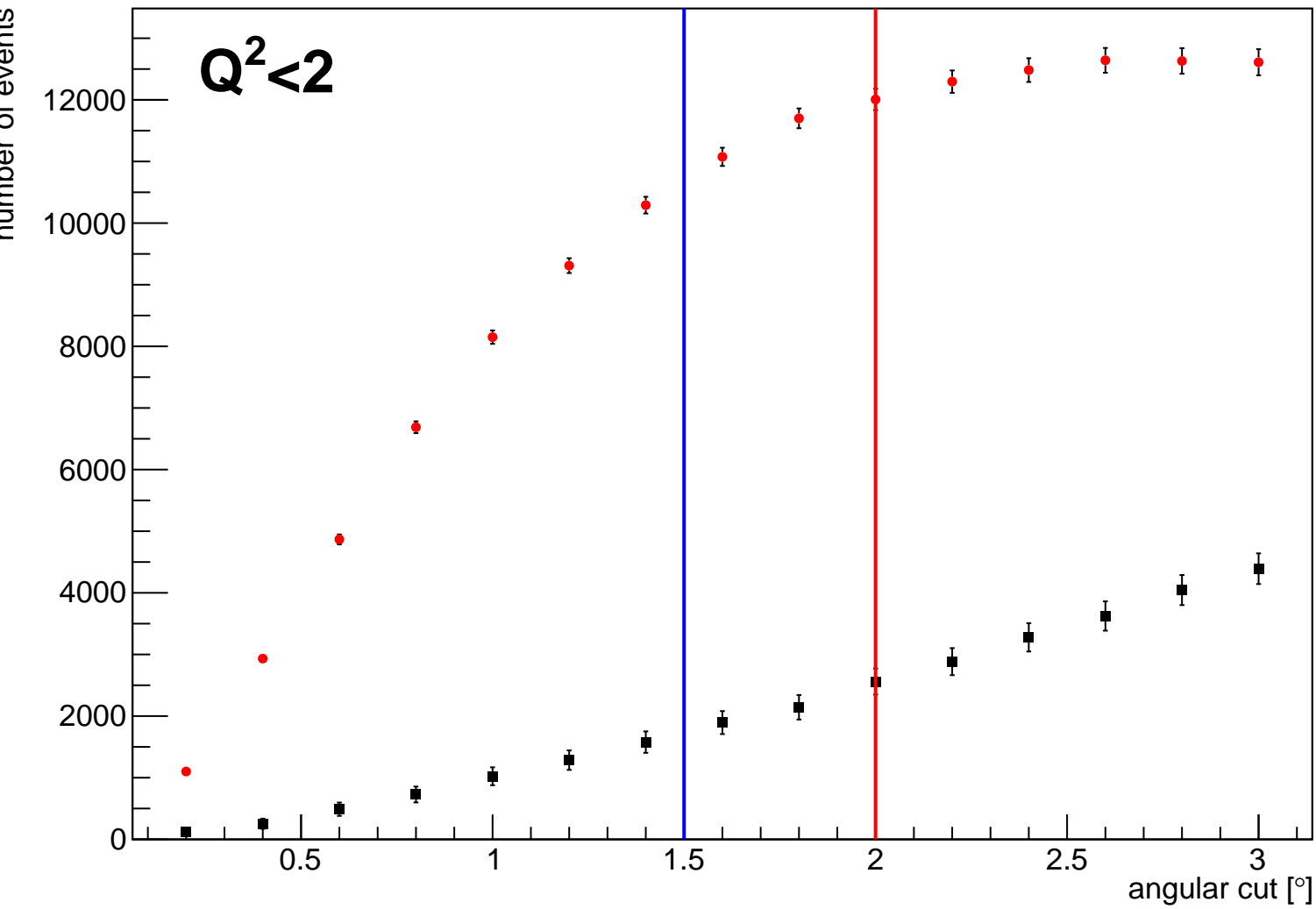
$\theta_{X\pi} < 2.8^\circ$



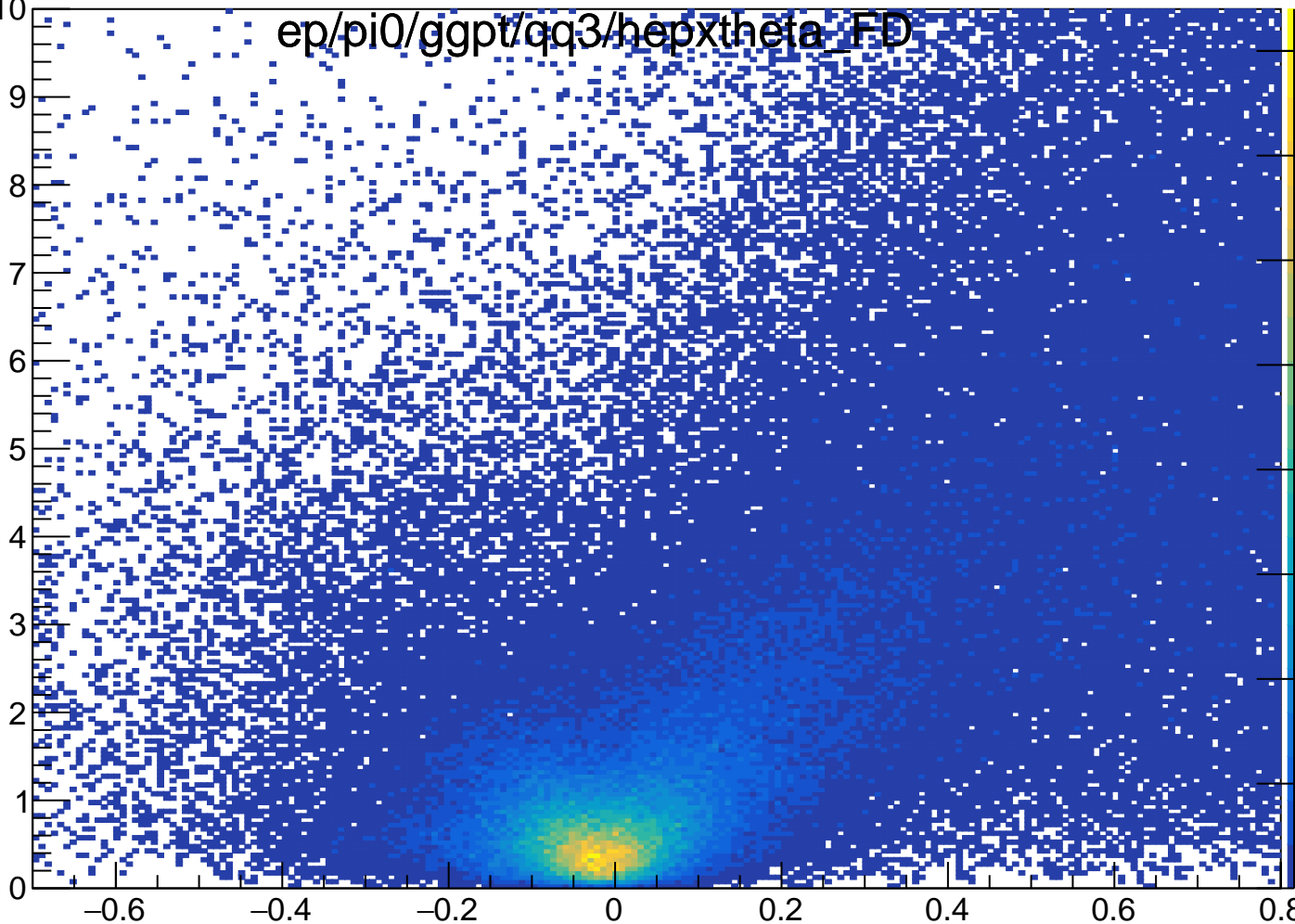


$\theta_{X\pi} < 3.0^\circ$

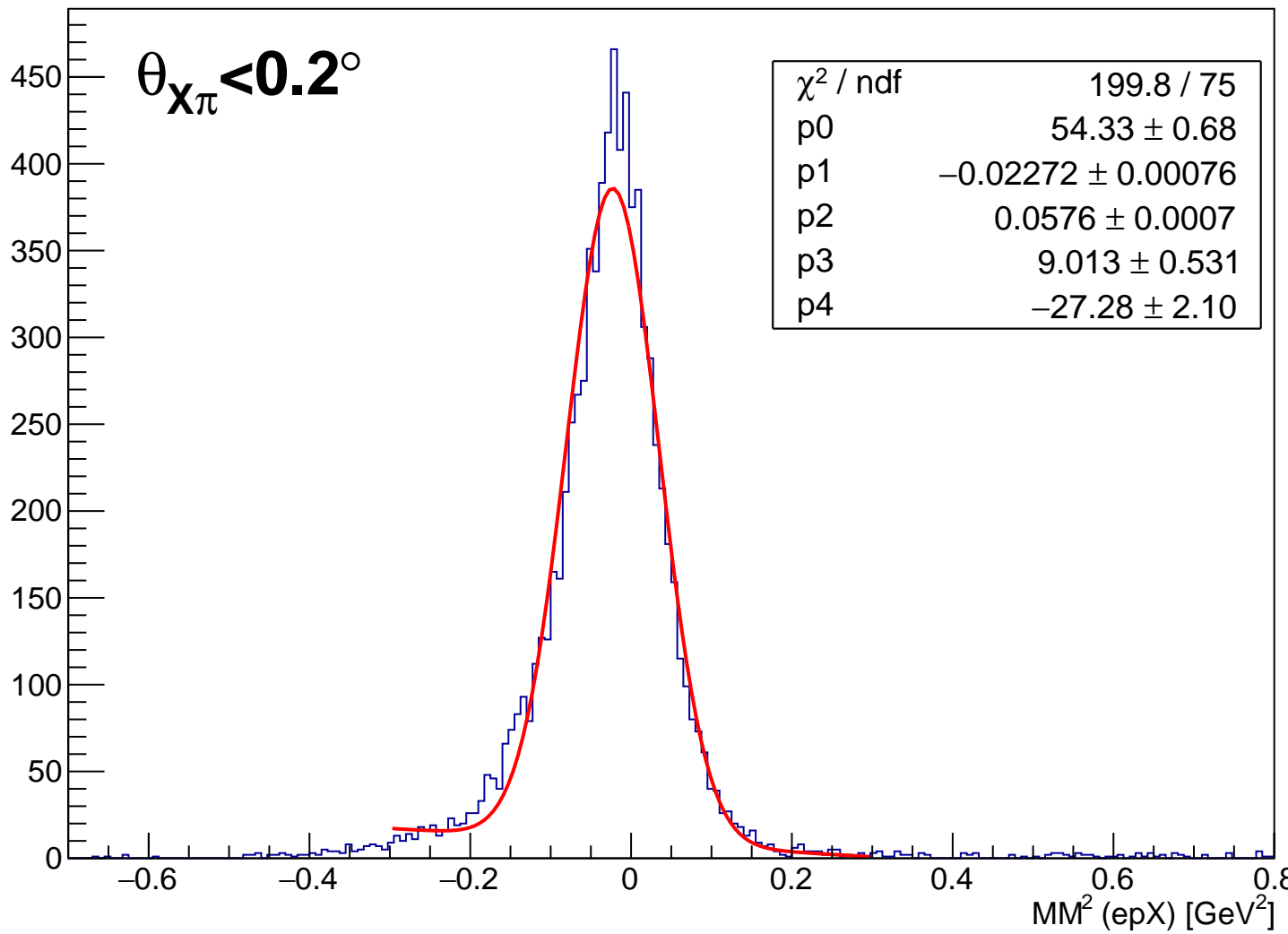


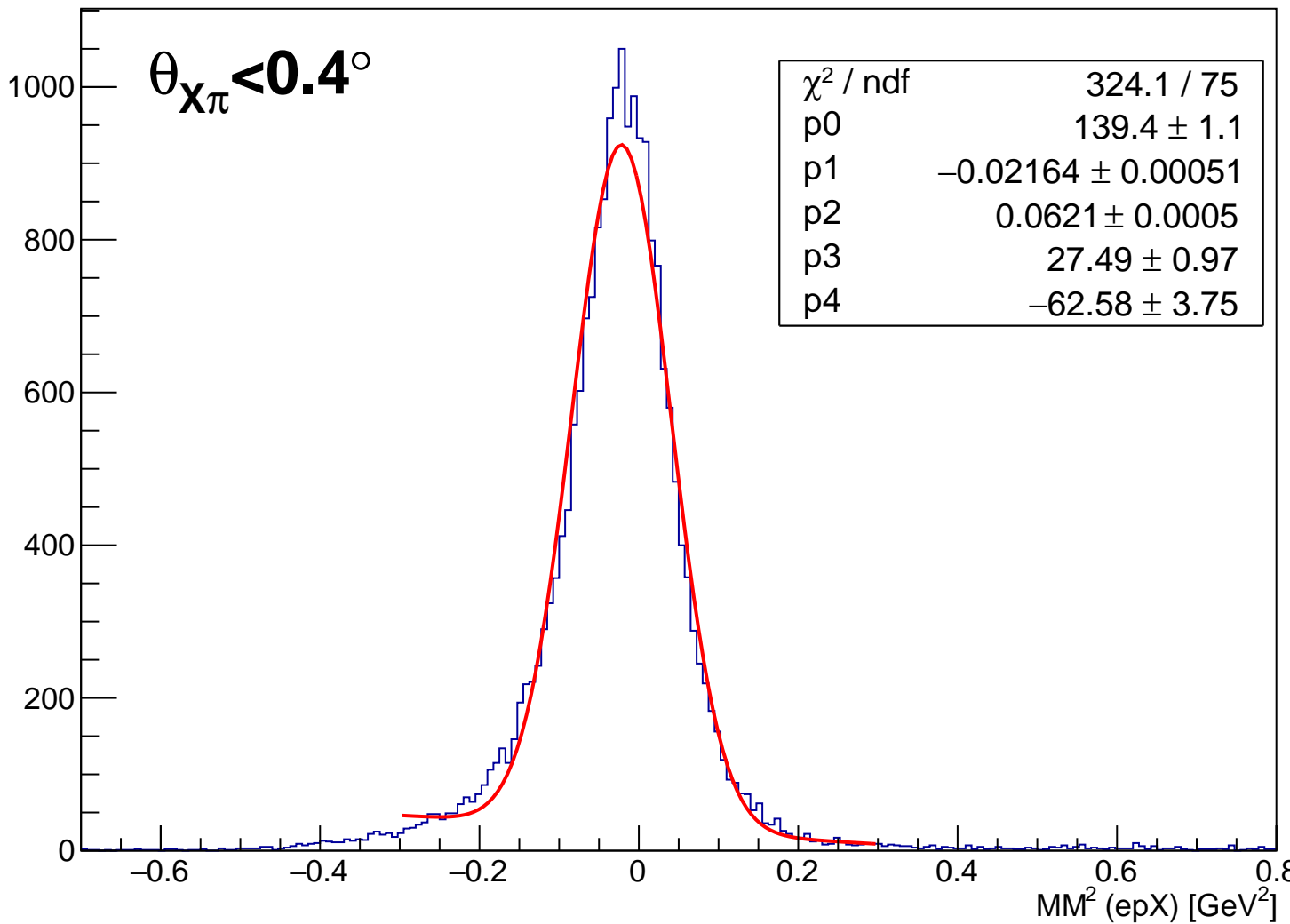


ep/pi0/ggpt/qq3/hepxtheta\_FD

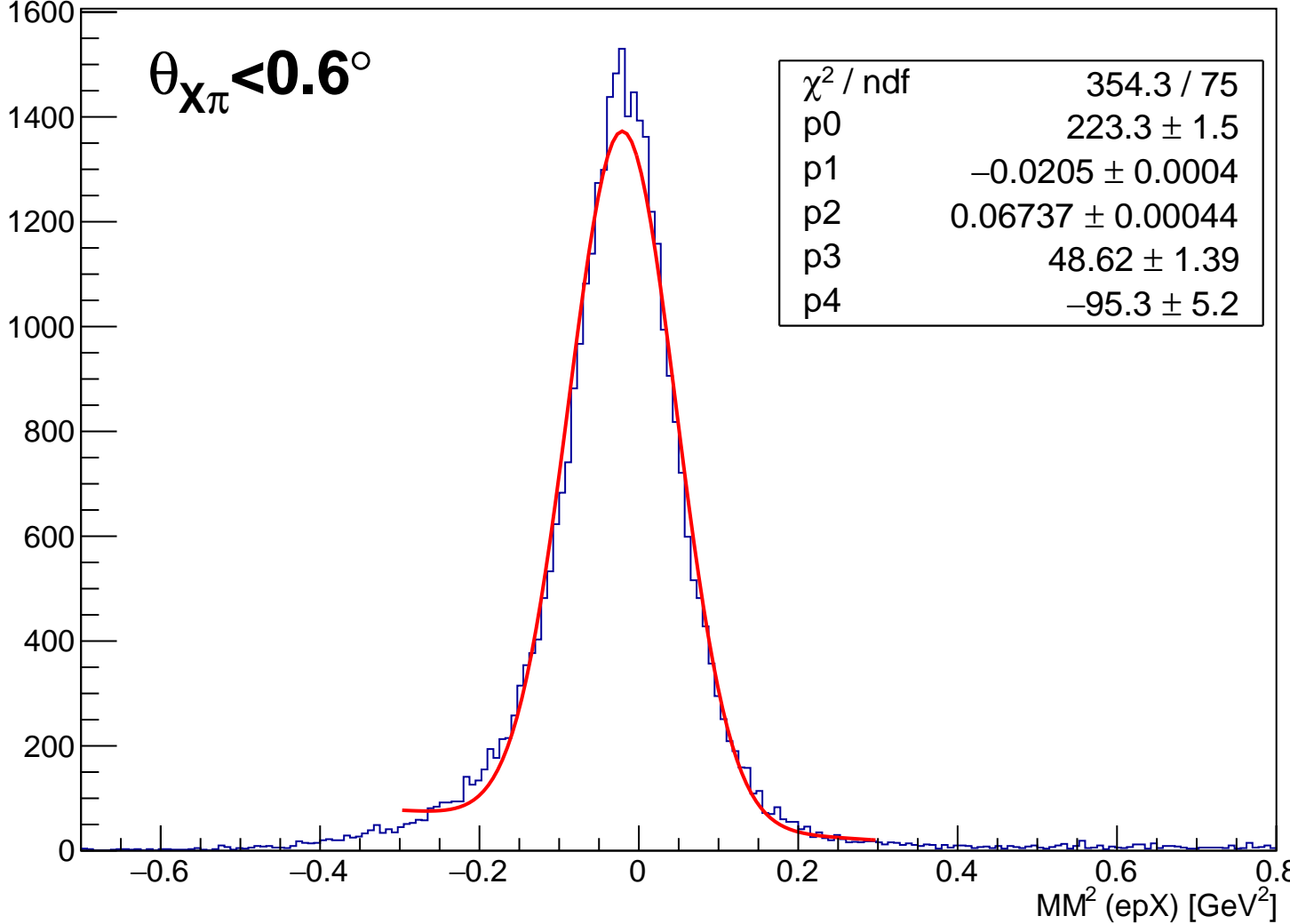


$\theta_{X\pi} < 0.2^\circ$

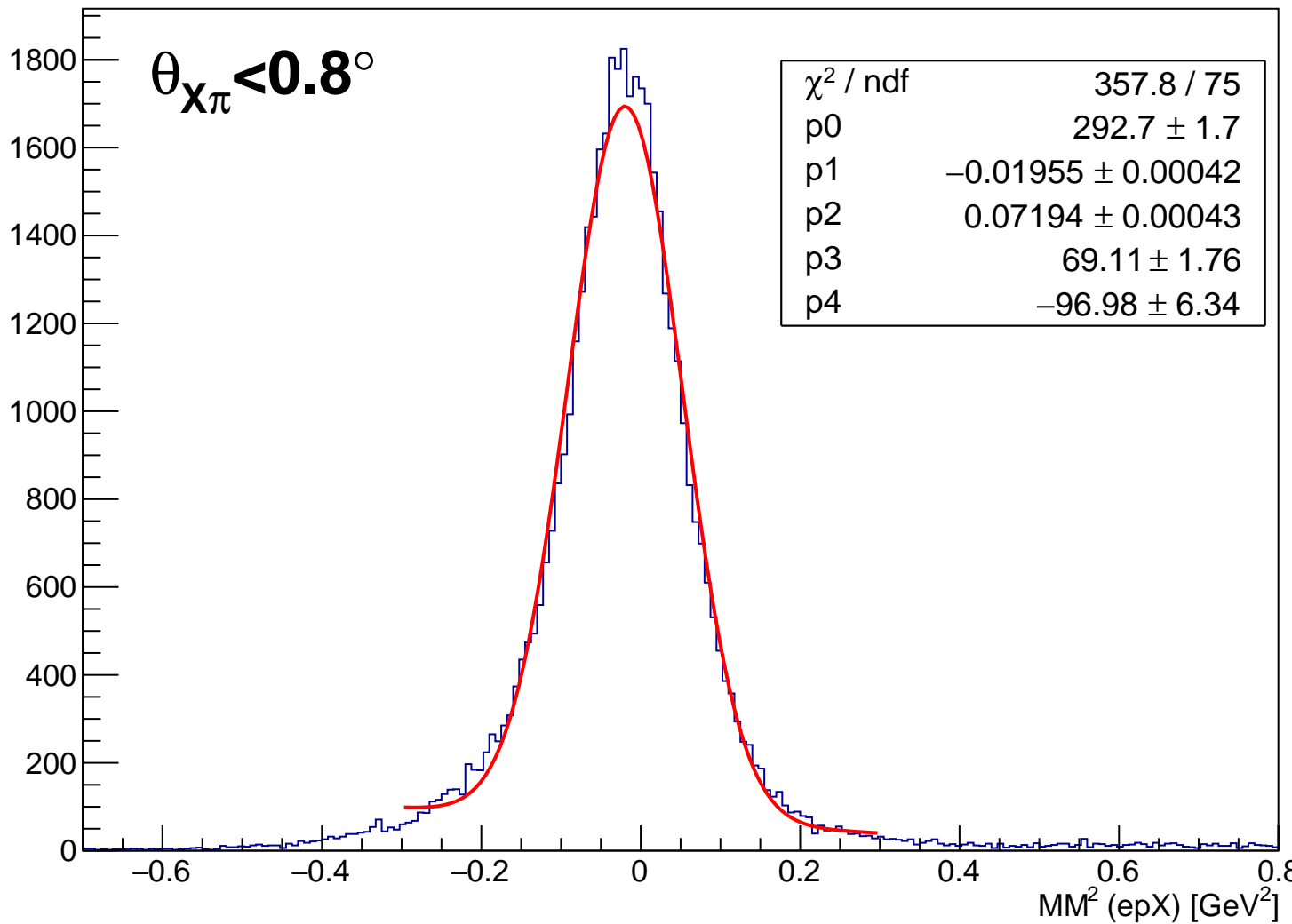


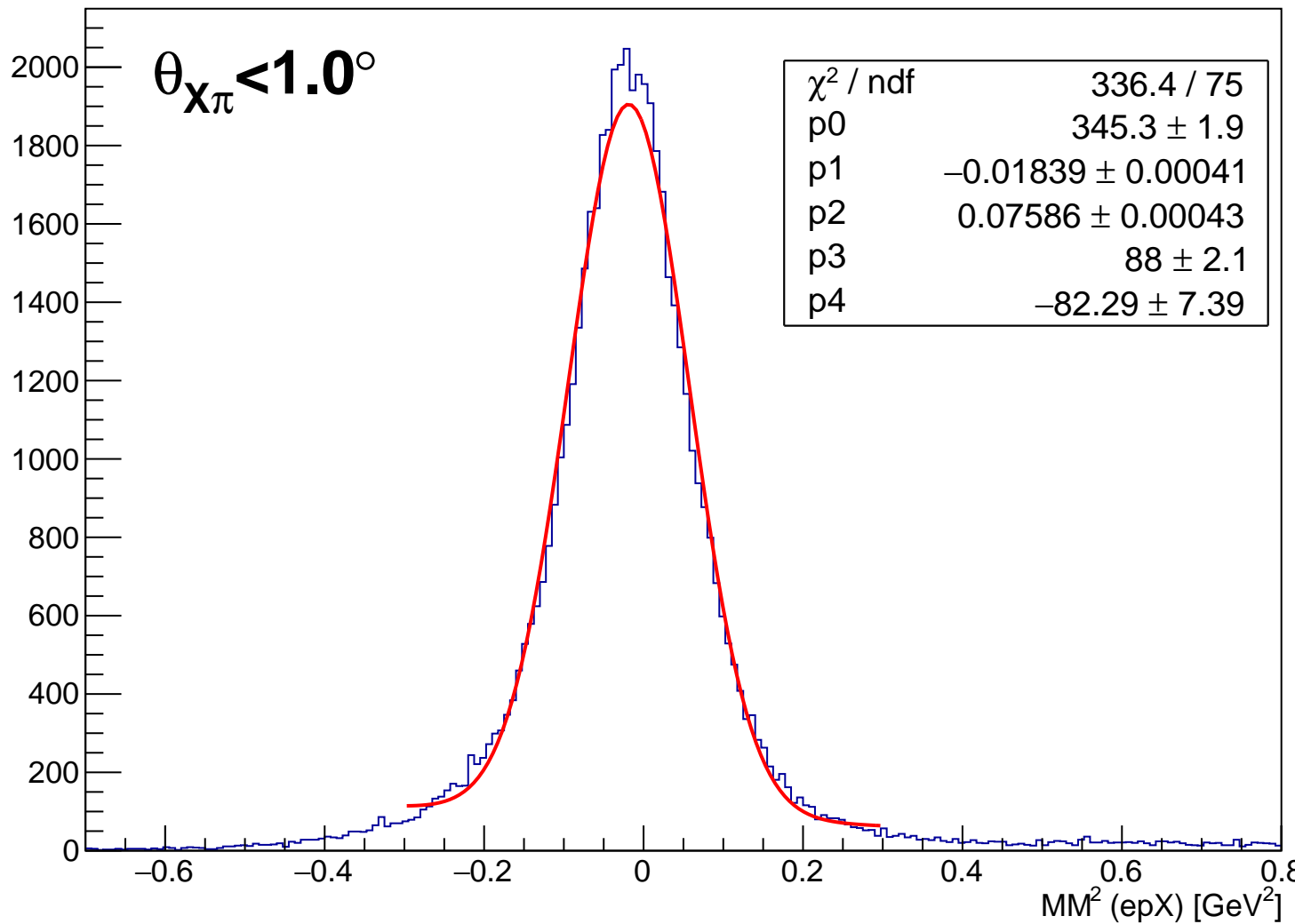


$\theta_{X\pi} < 0.6^\circ$



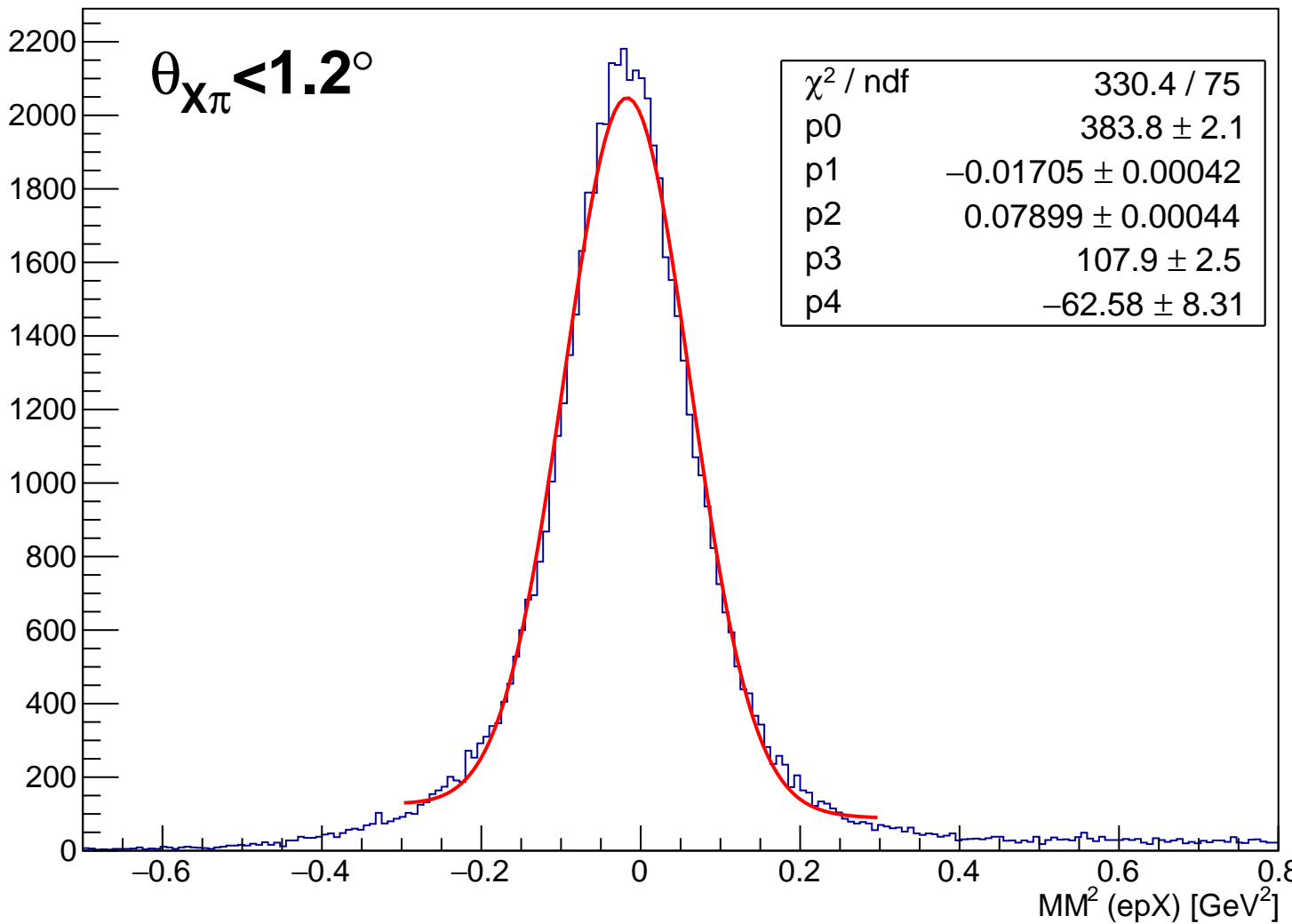
$\theta_{X\pi} < 0.8^\circ$

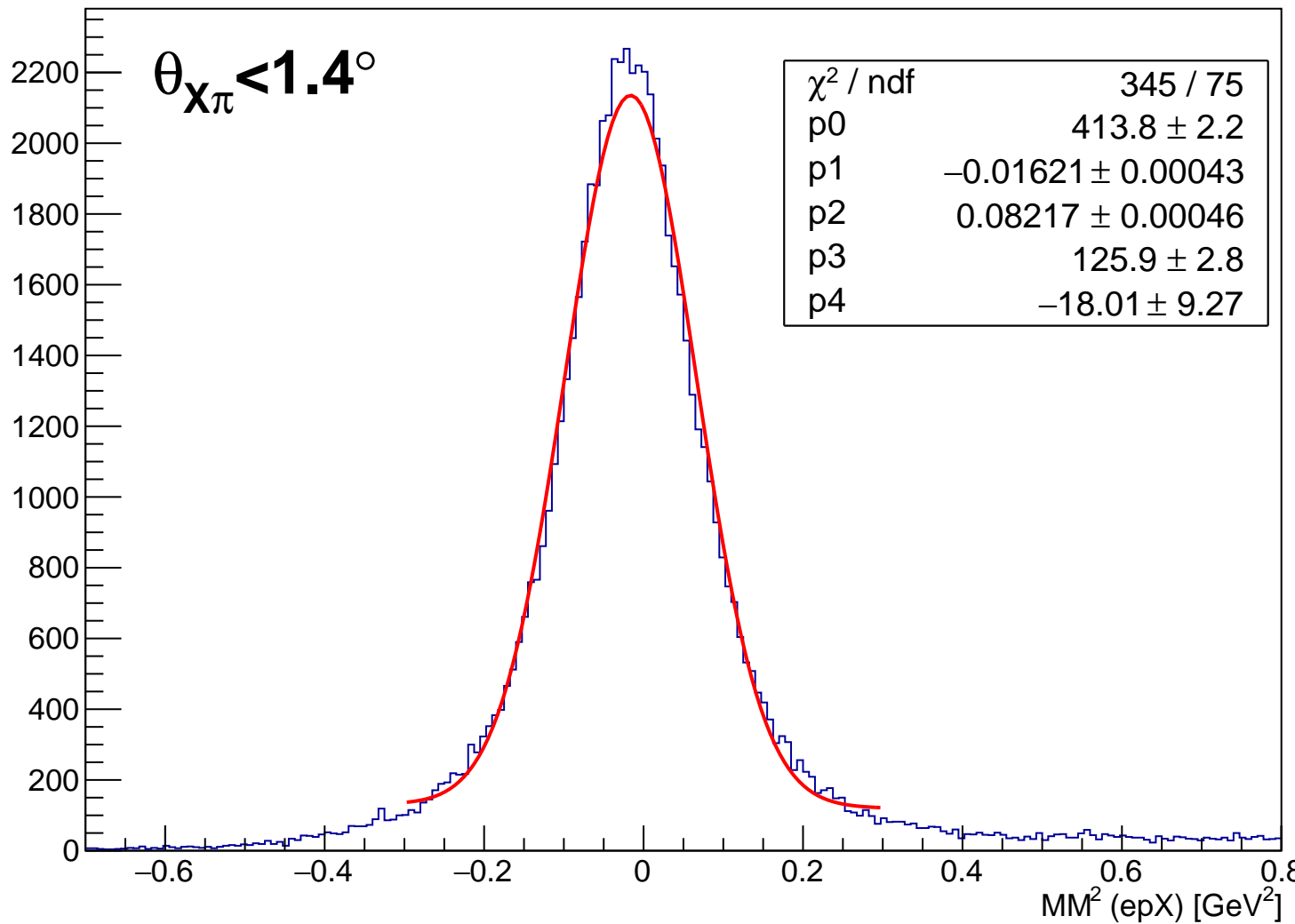




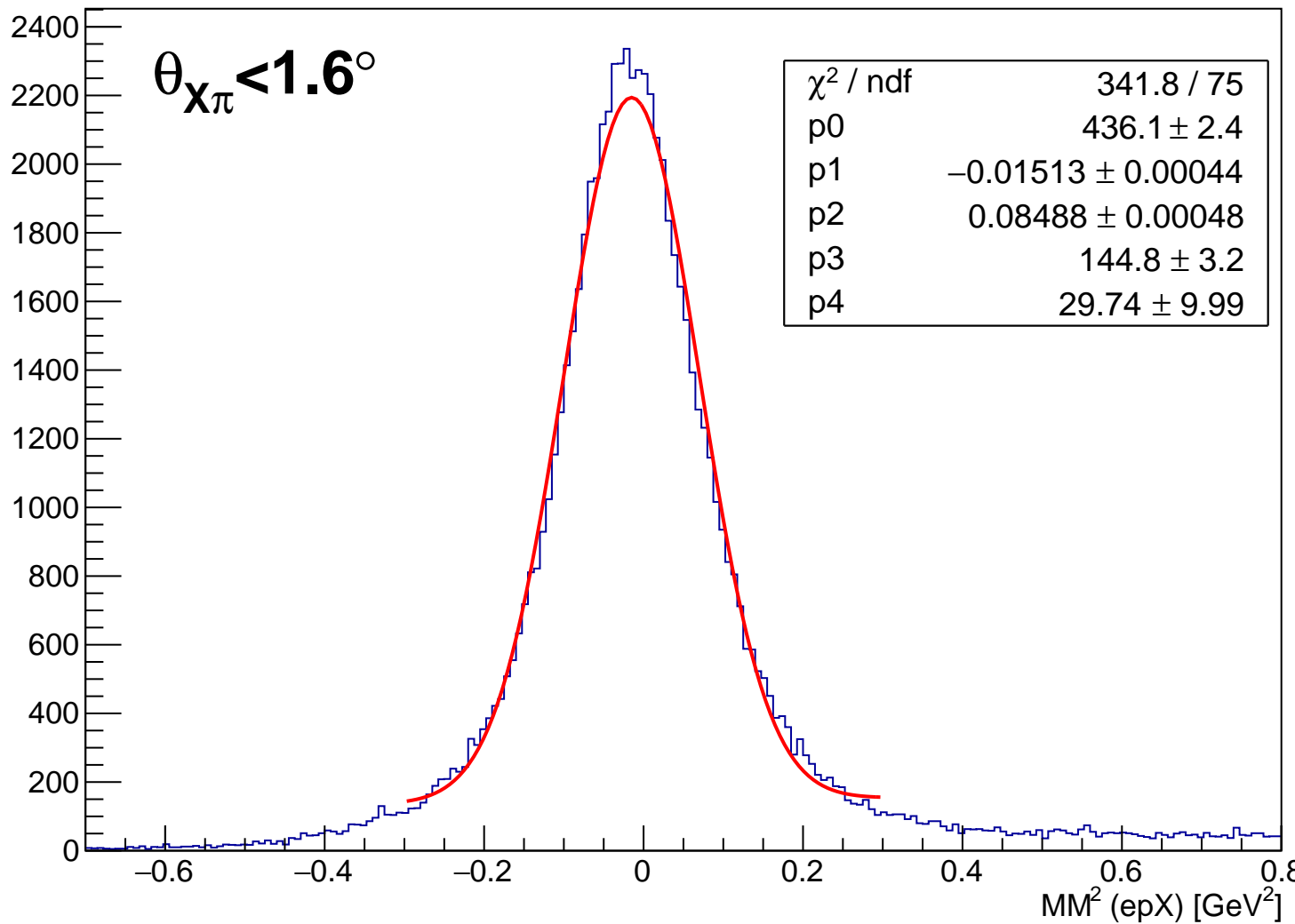


$\theta_{X\pi} < 1.2^\circ$

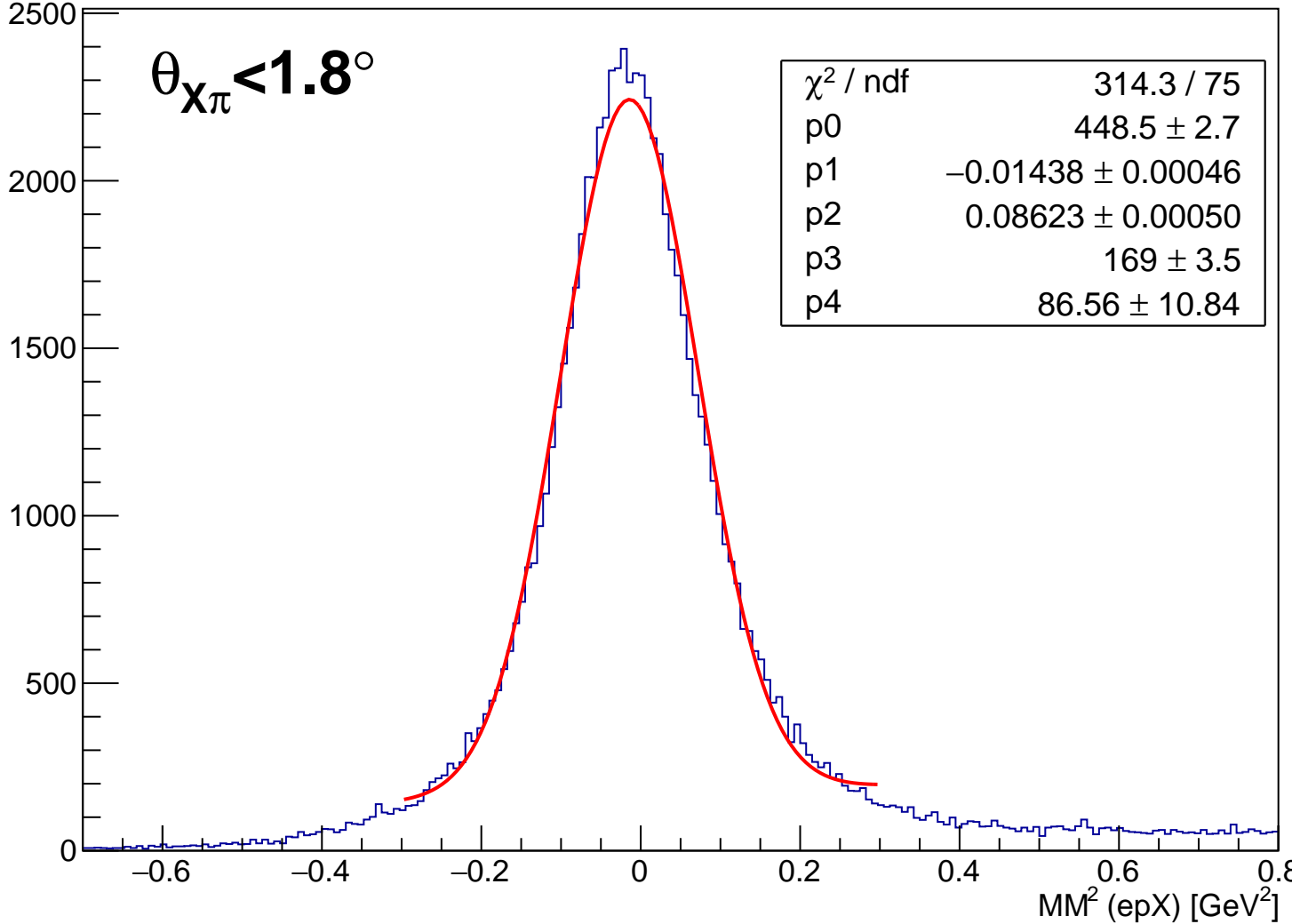




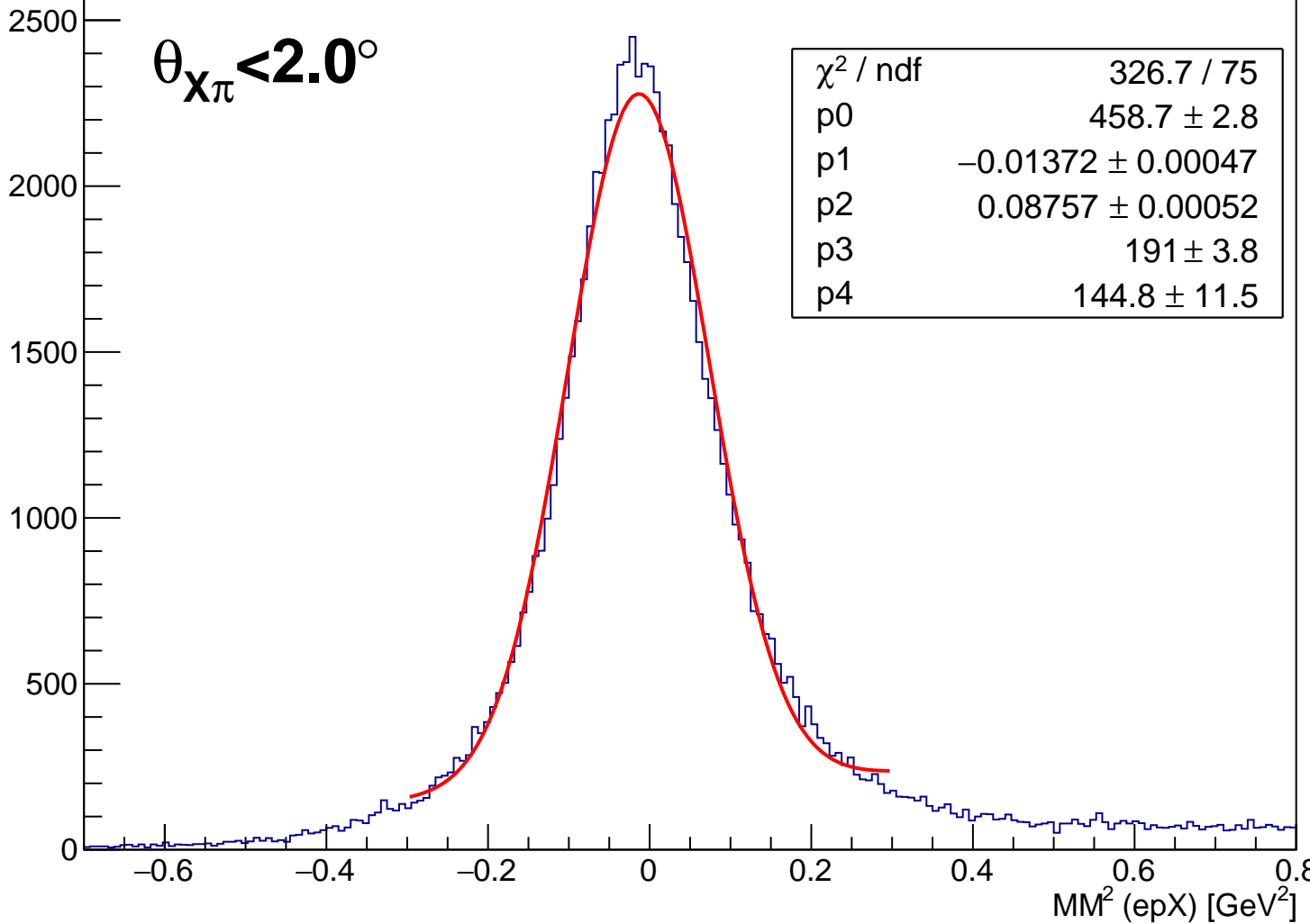
$\theta_{X\pi} < 1.6^\circ$



$\theta_{X\pi} < 1.8^\circ$

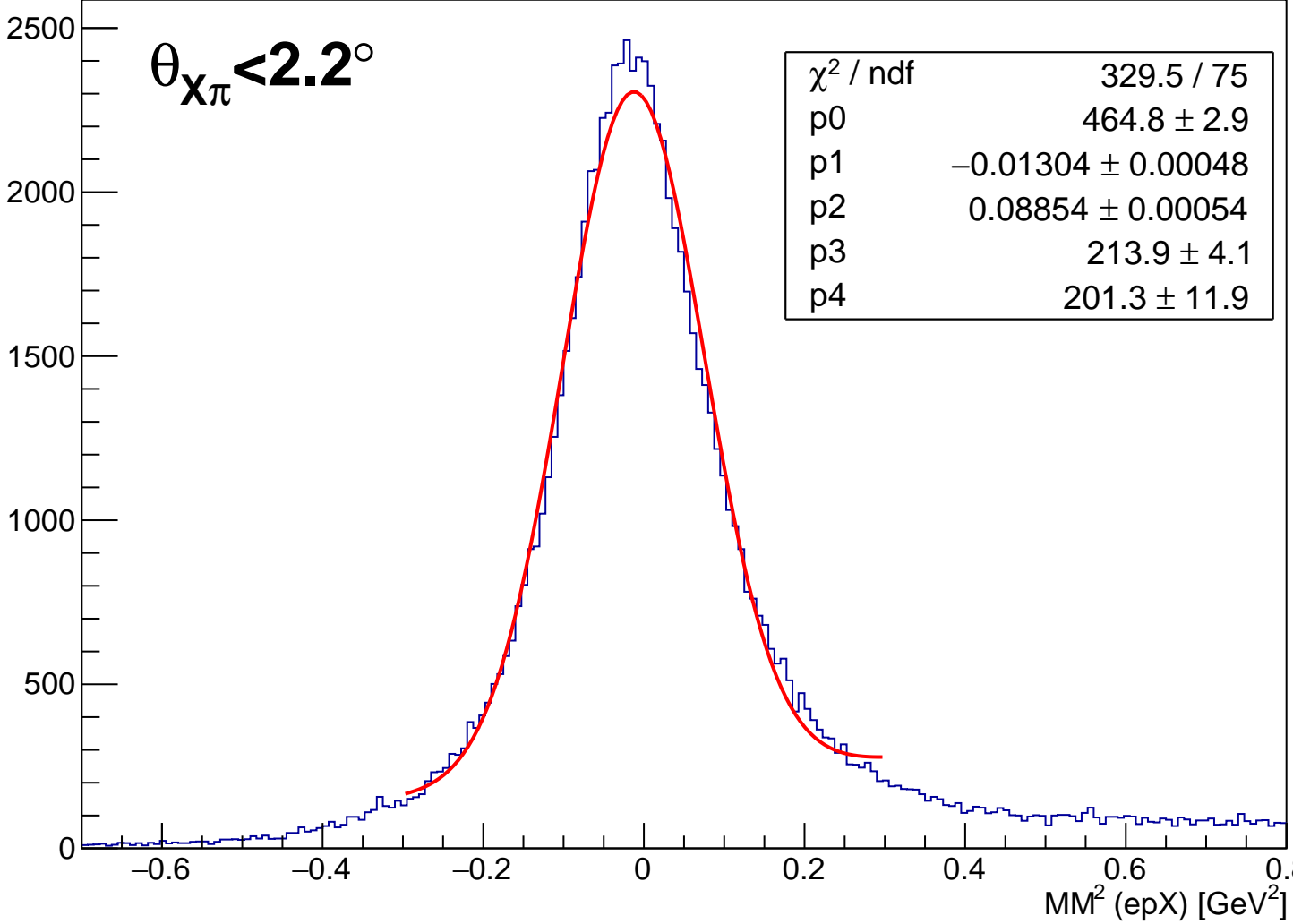


$\theta_{X\pi} < 2.0^\circ$

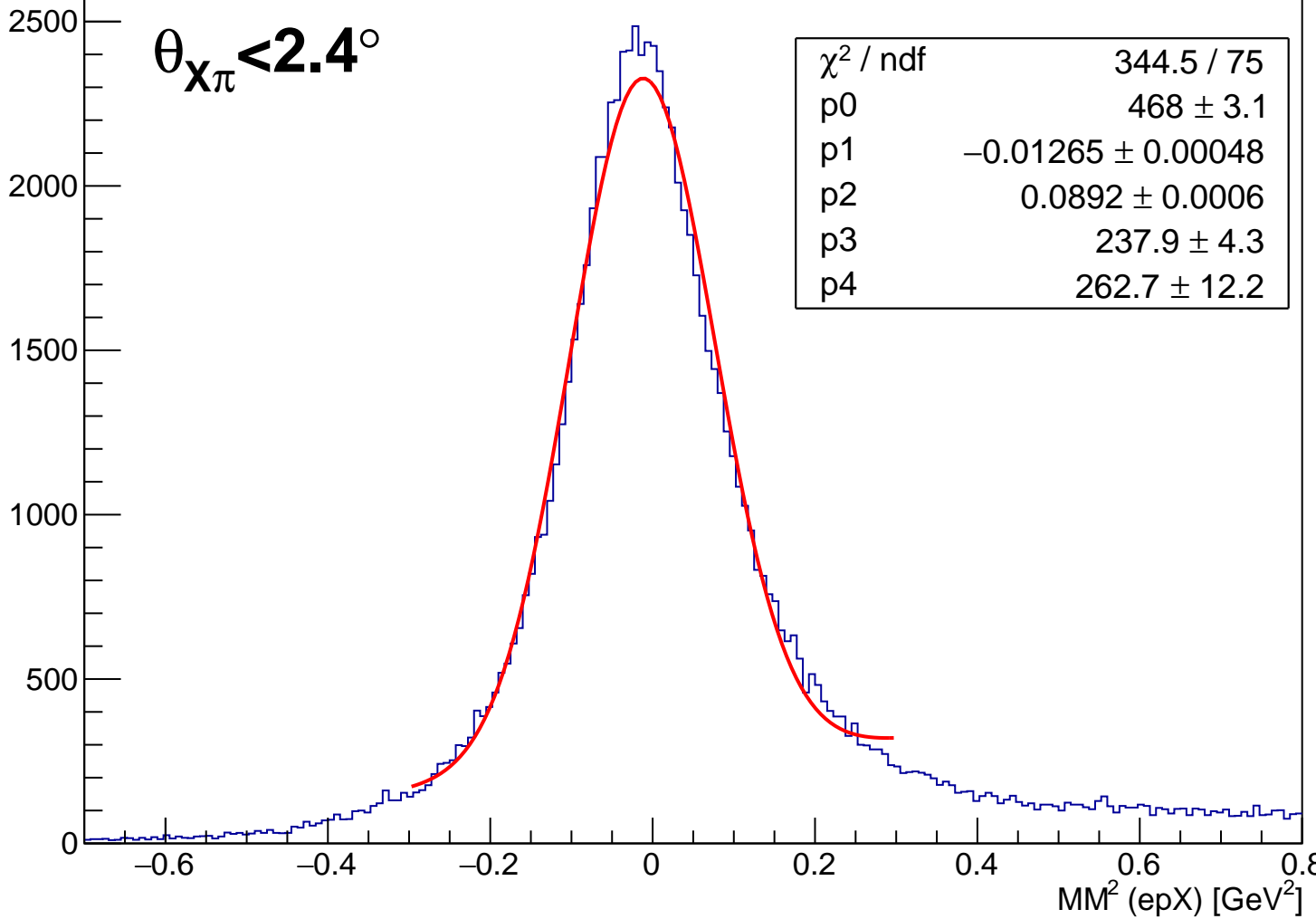


$\theta_{X\pi} < 2.2^\circ$

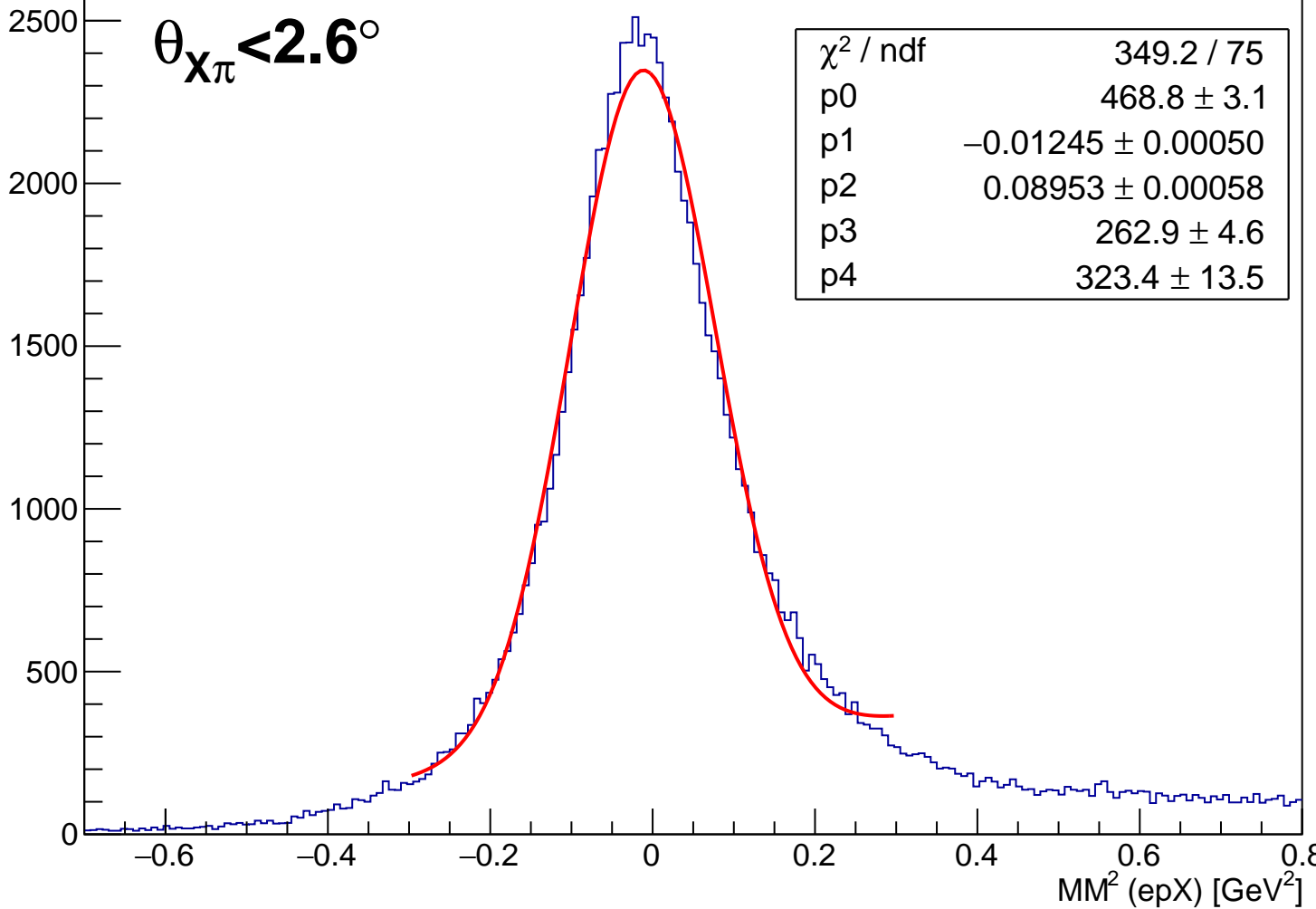
$\chi^2 / \text{ndf}$	329.5 / 75
p0	$464.8 \pm 2.9$
p1	$-0.01304 \pm 0.00048$
p2	$0.08854 \pm 0.00054$
p3	$213.9 \pm 4.1$
p4	$201.3 \pm 11.9$



$\theta_{X\pi} < 2.4^\circ$

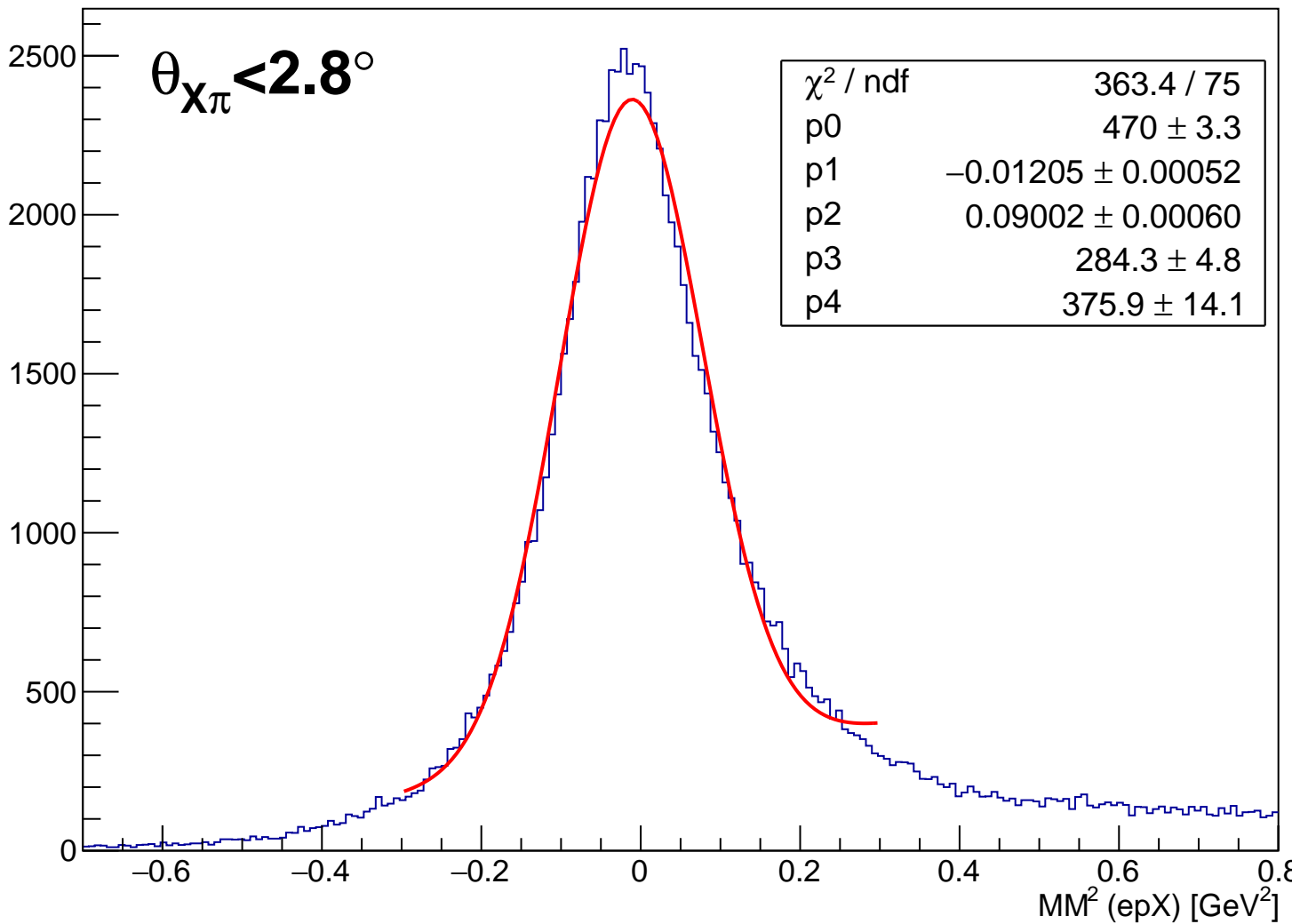


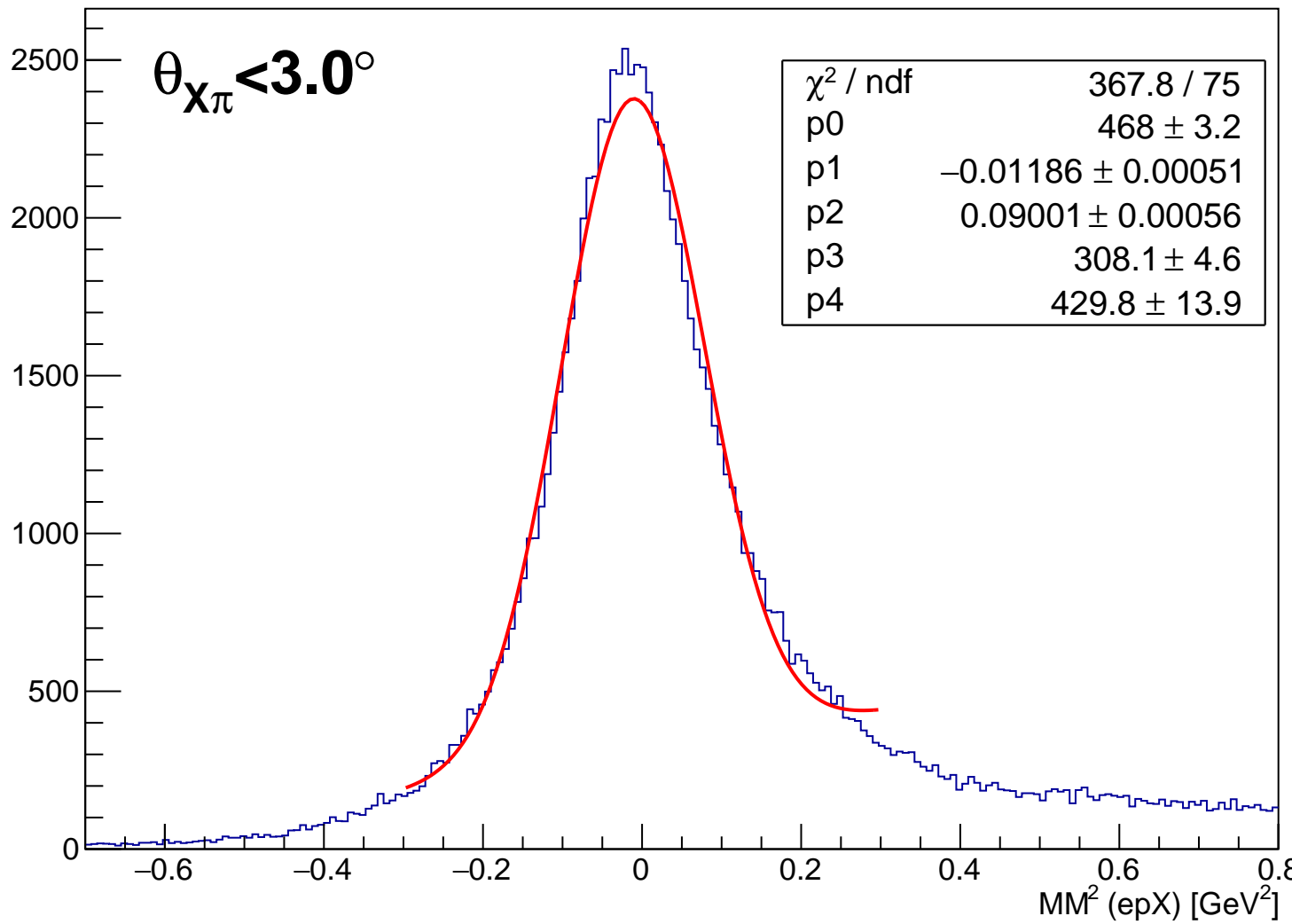
$\theta_{X\pi} < 2.6^\circ$

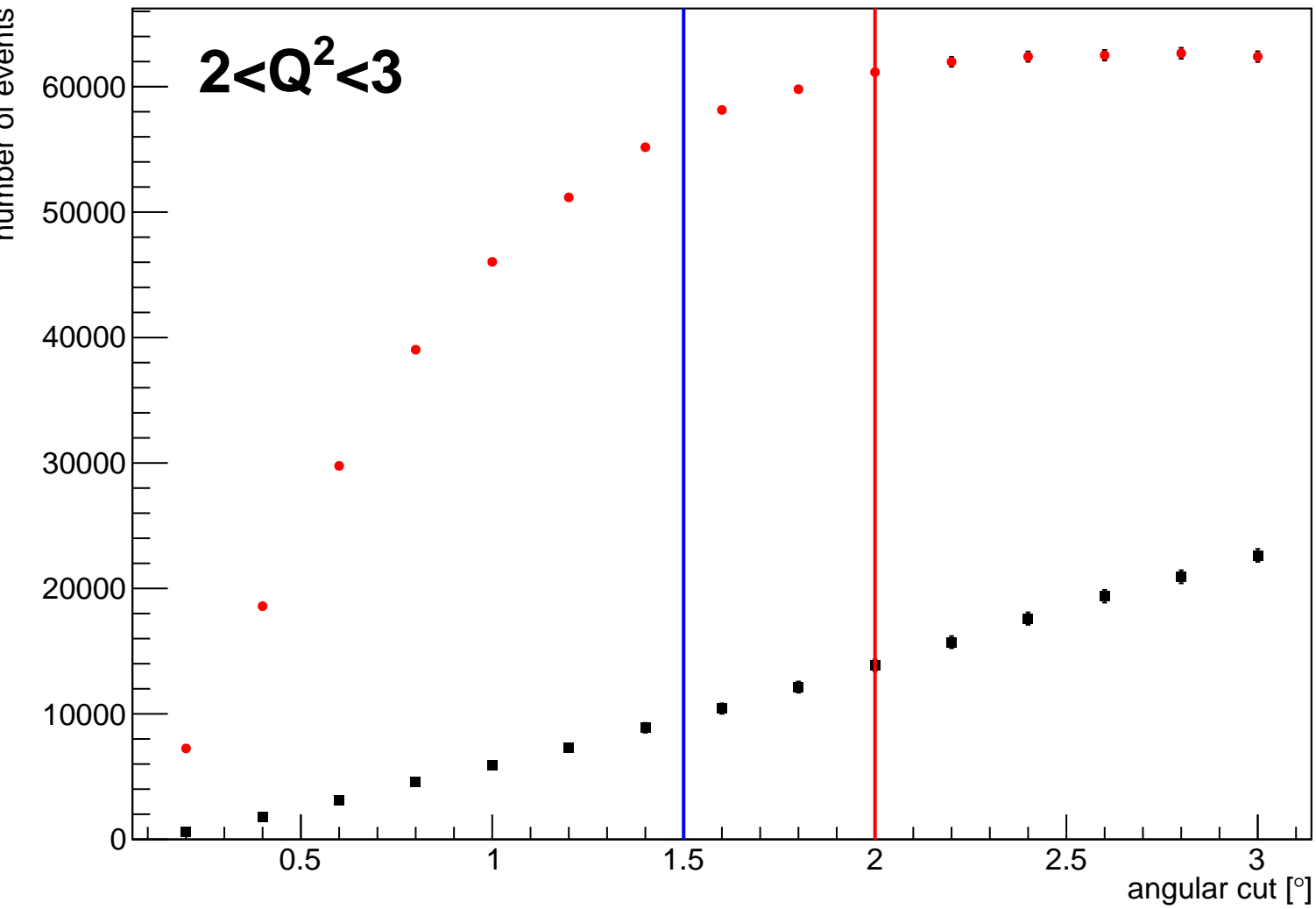




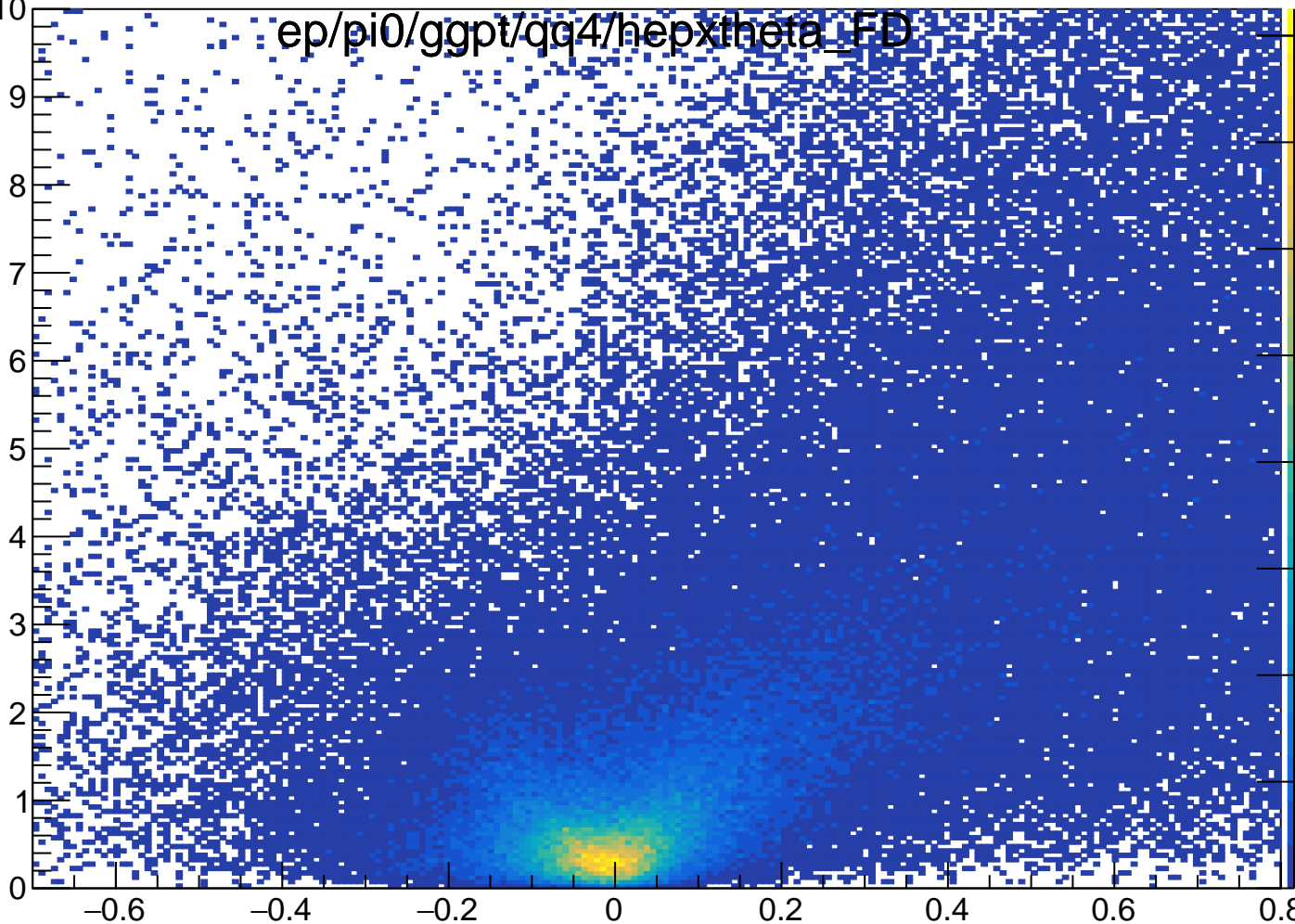
$\theta_{X\pi} < 2.8^\circ$



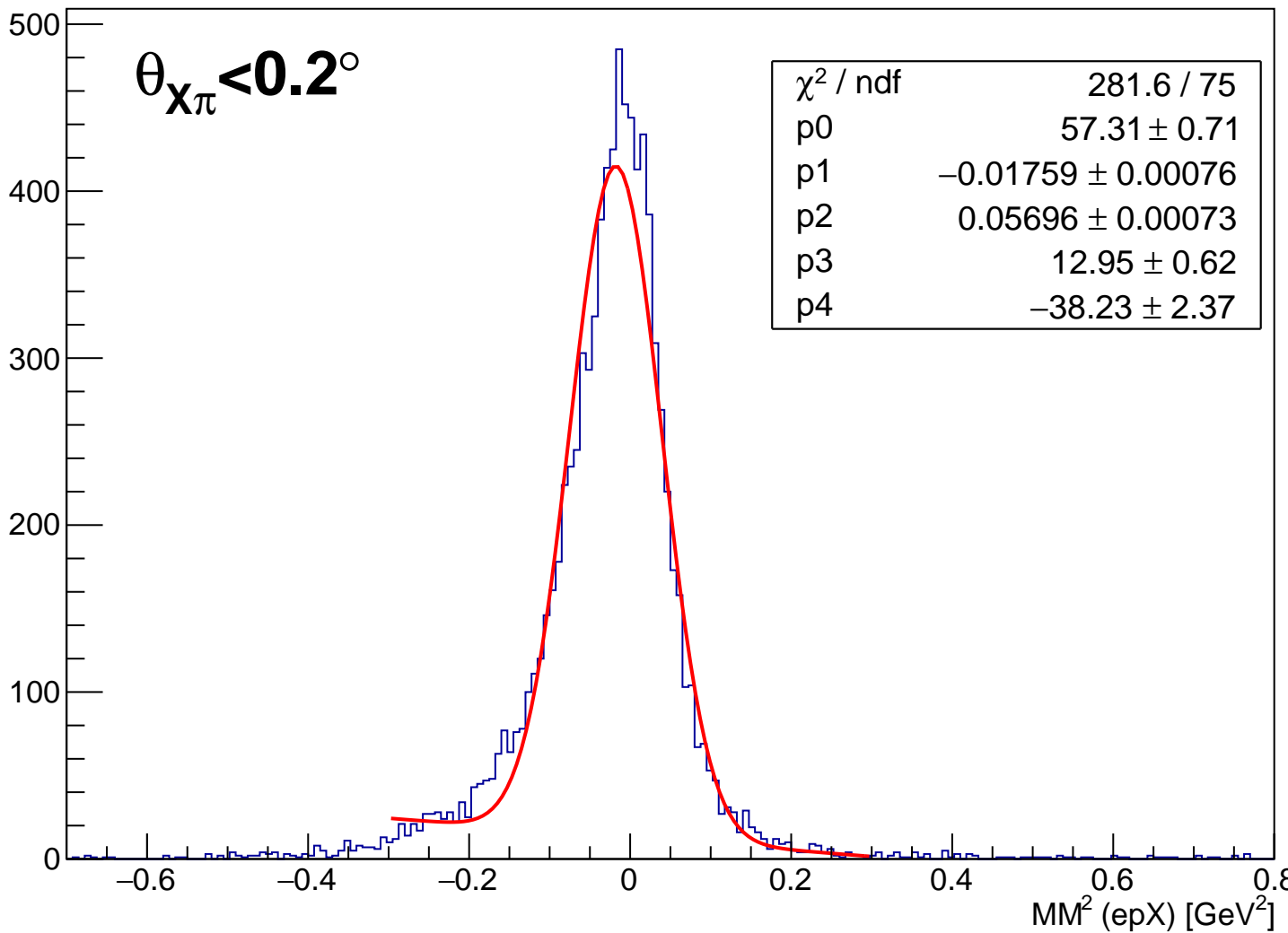


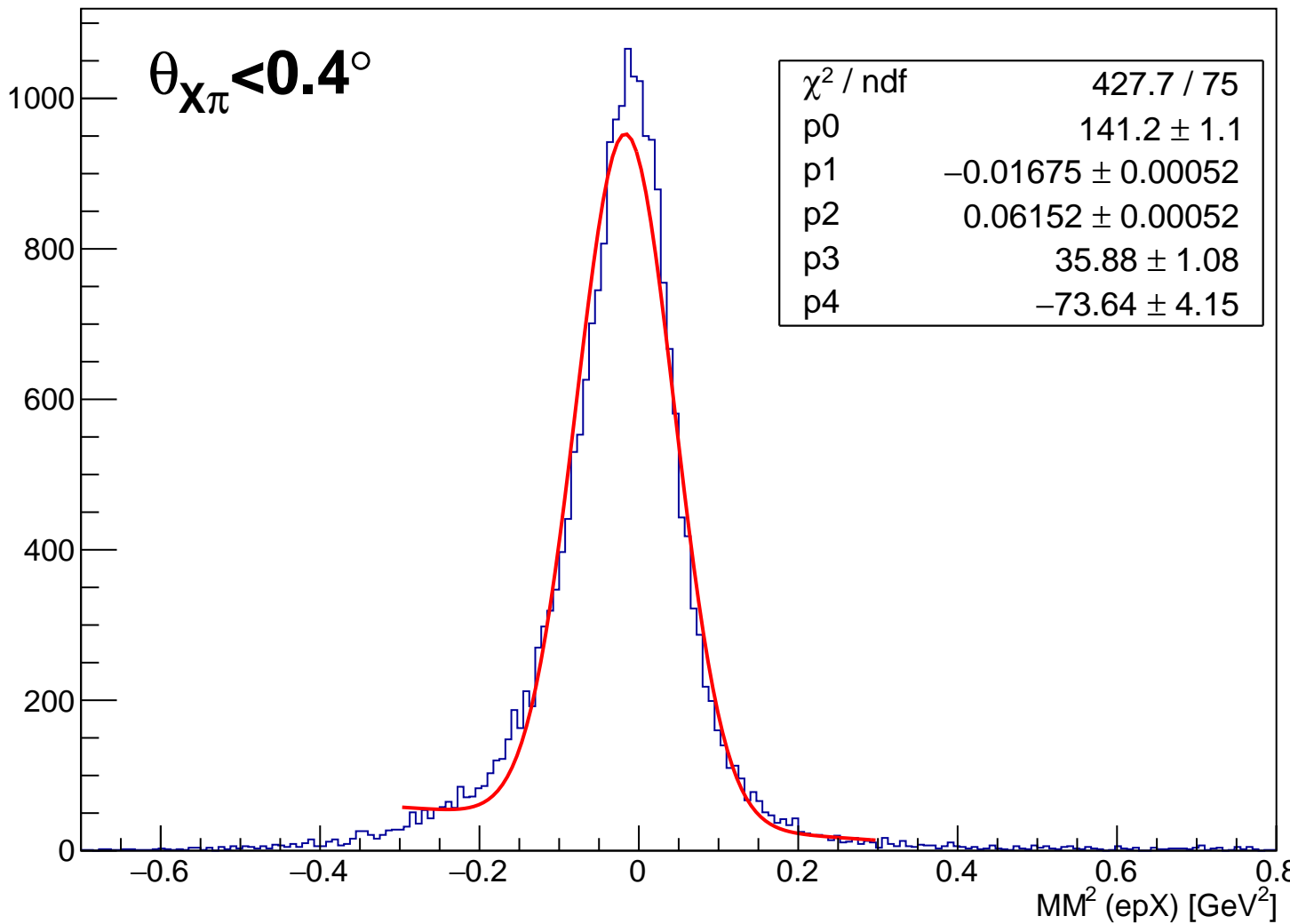


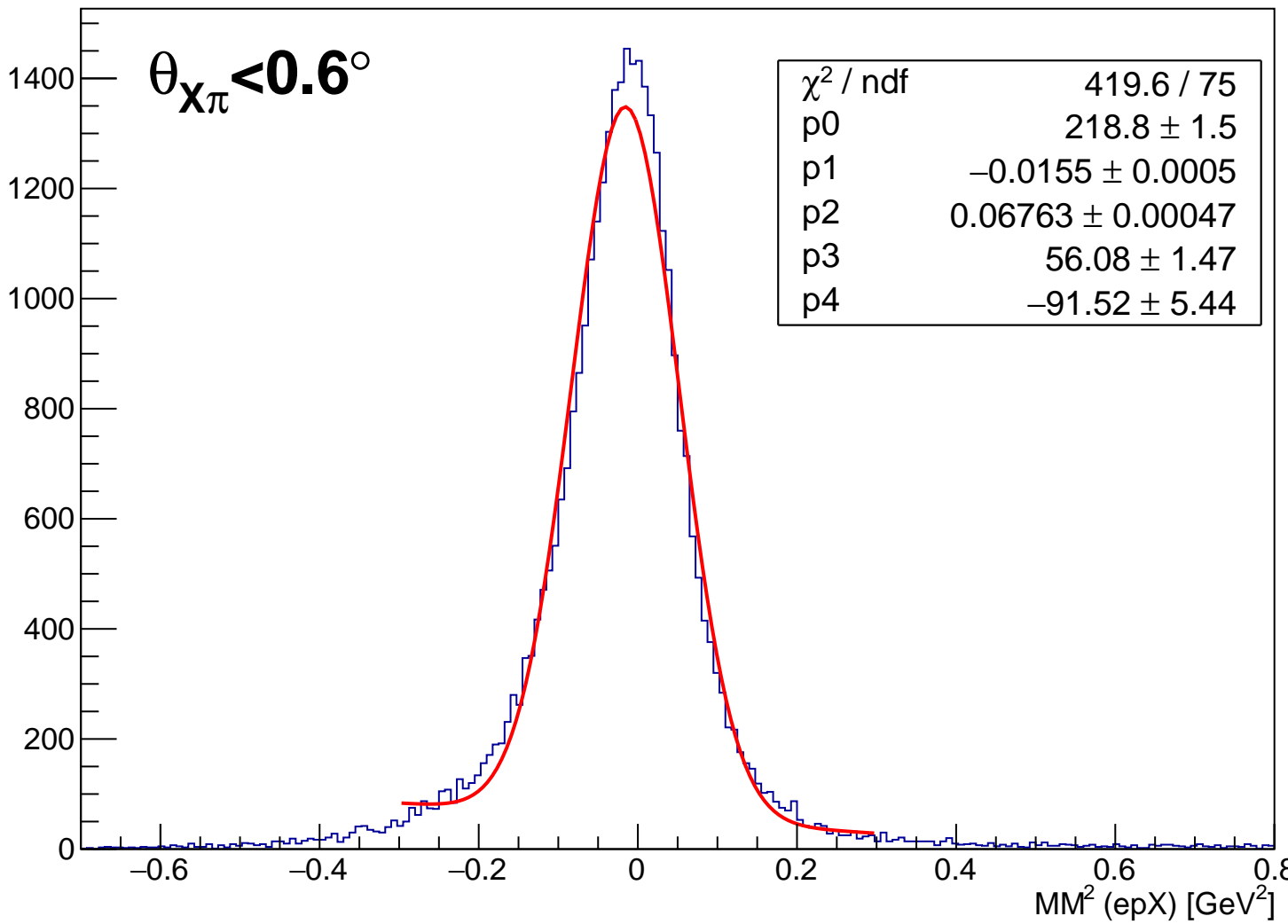
ep/pi0/ggpt/qq4/hepxtheta\_FD



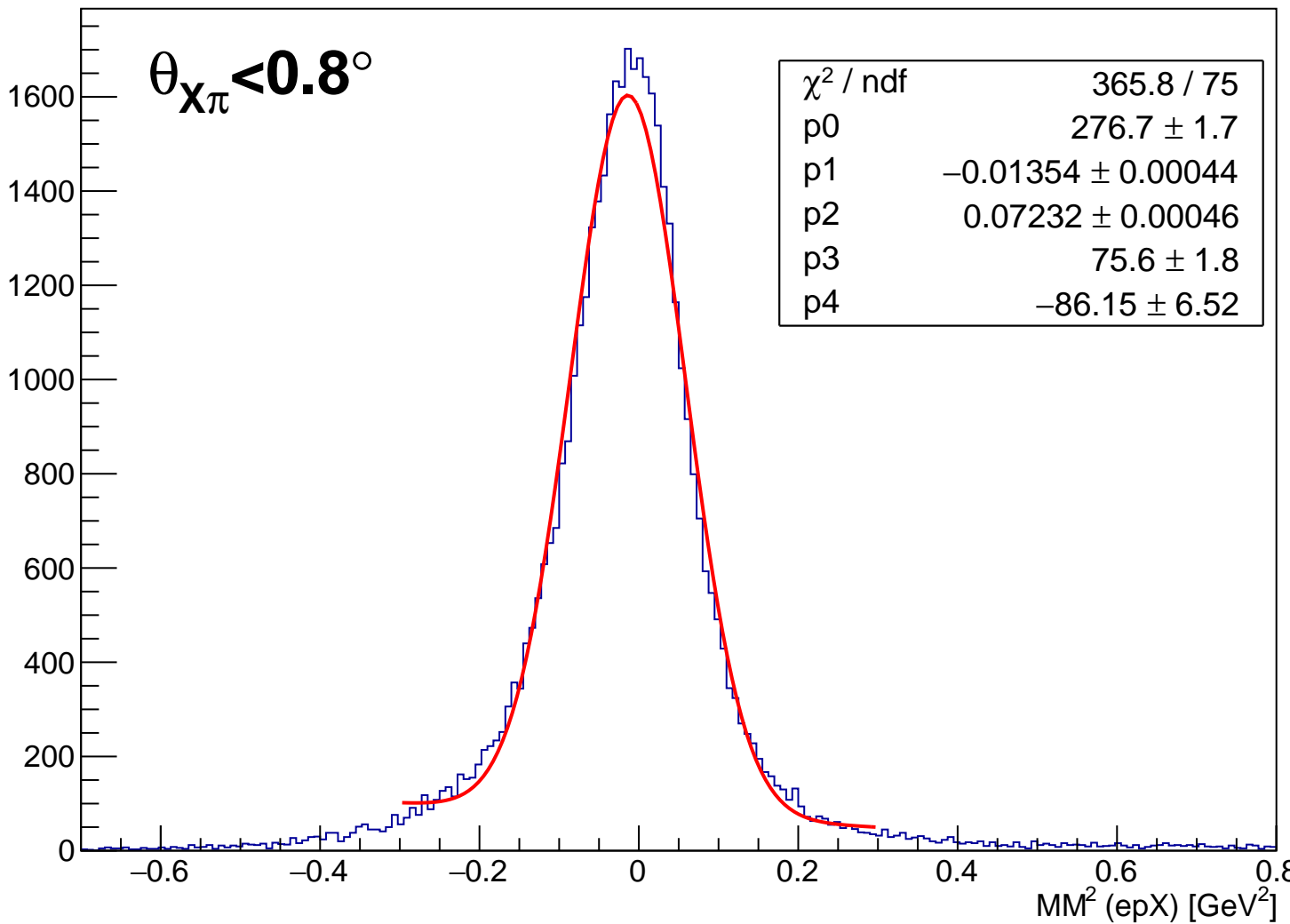
$\theta_{X\pi} < 0.2^\circ$



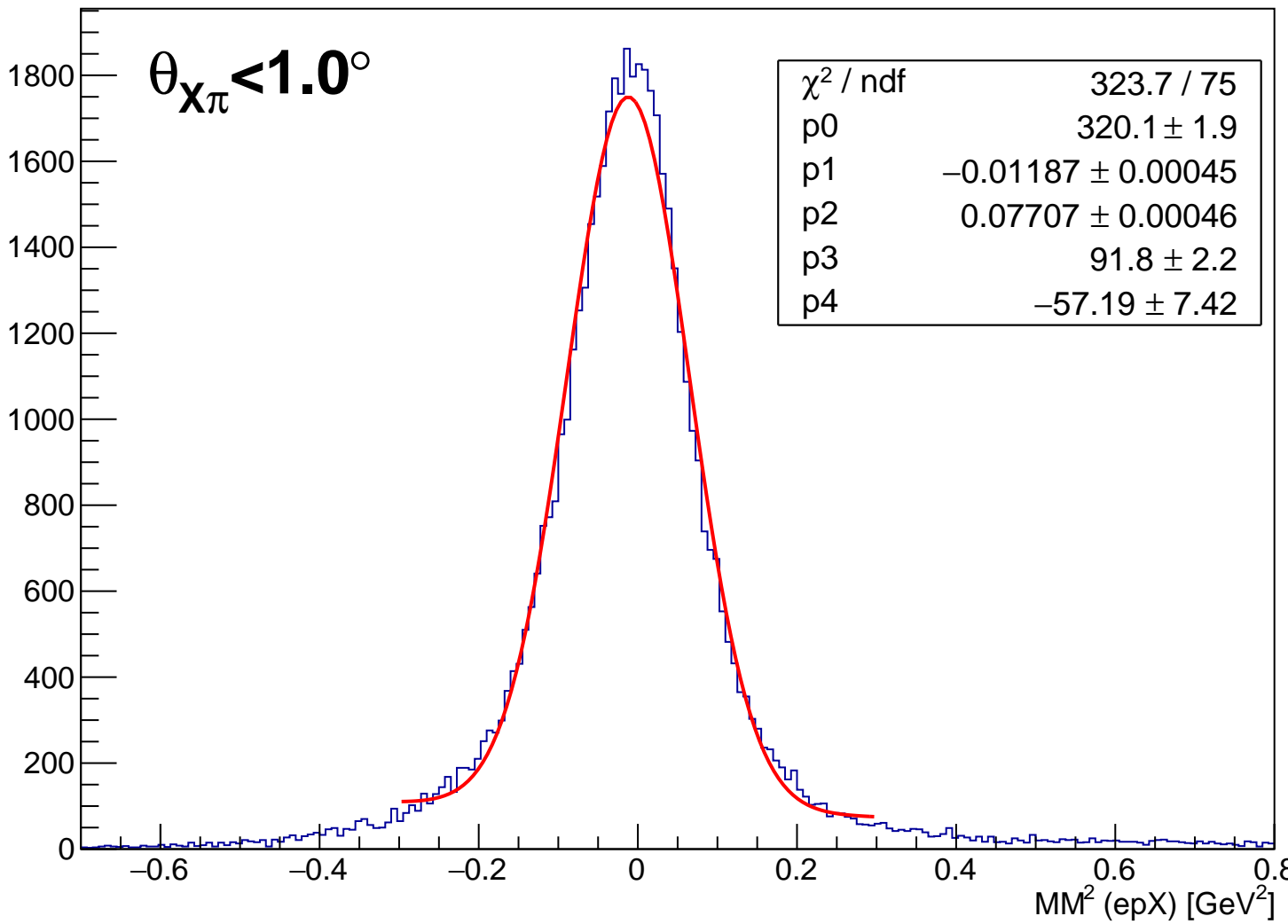




$\theta_{X\pi} < 0.8^\circ$

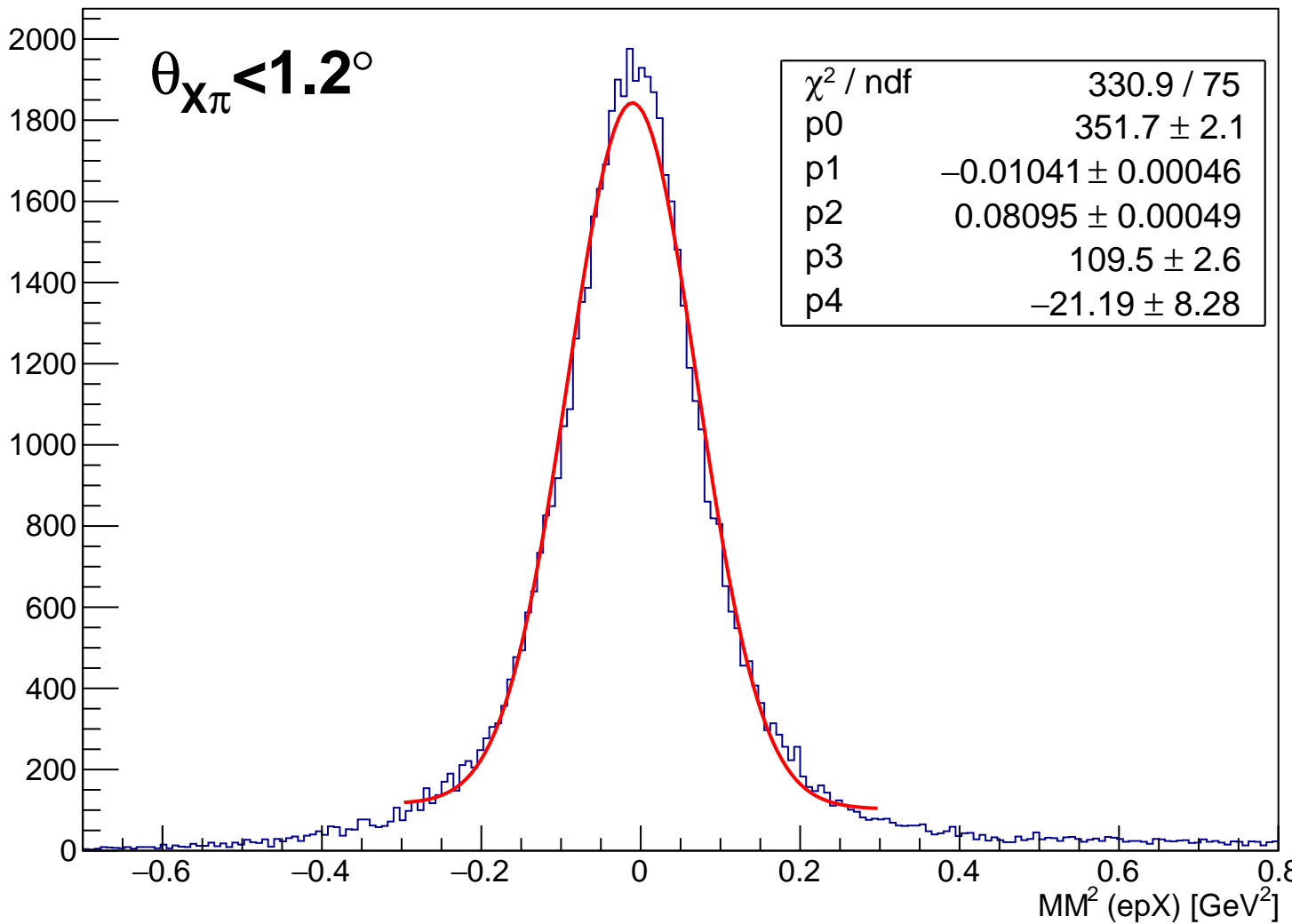


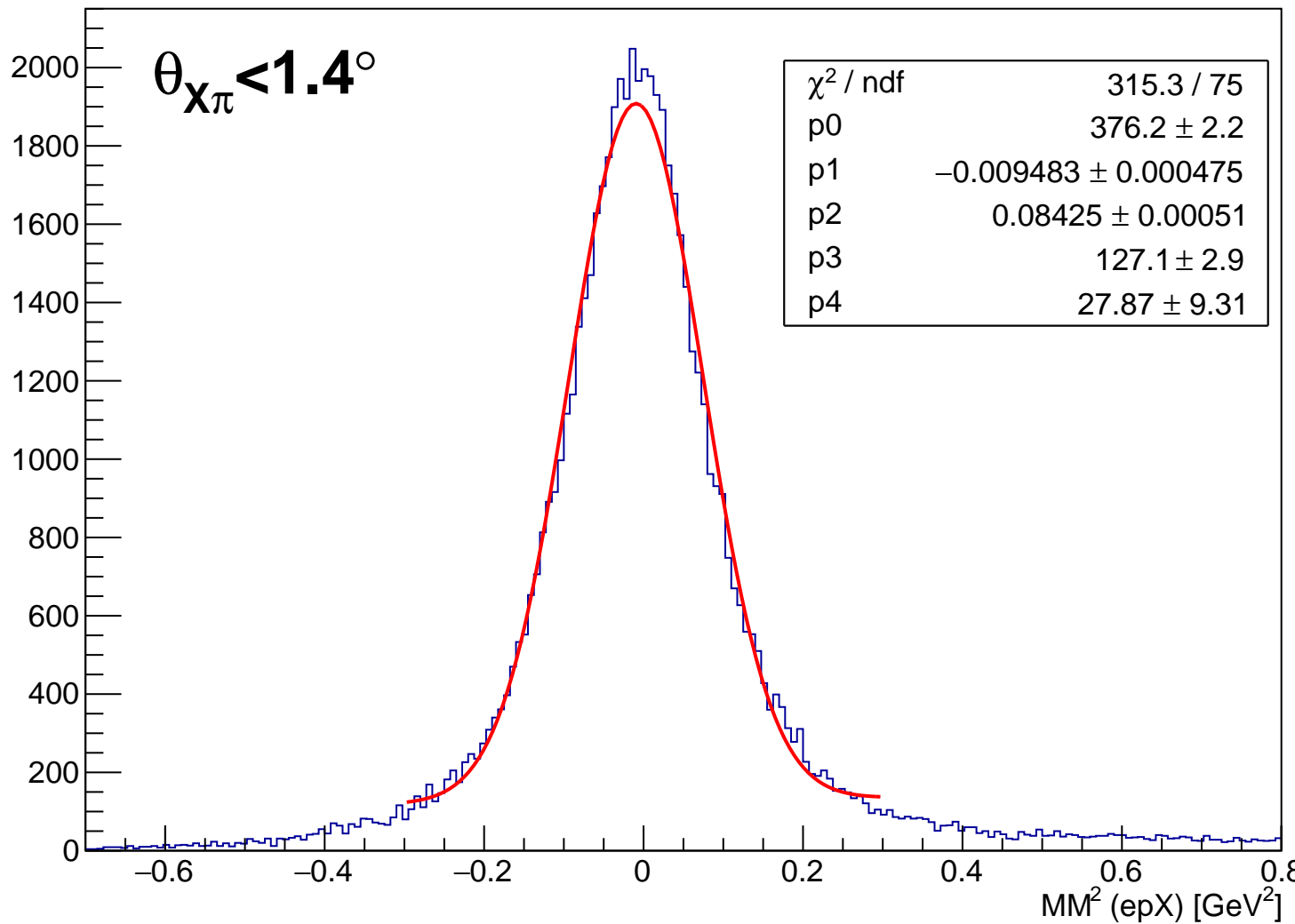


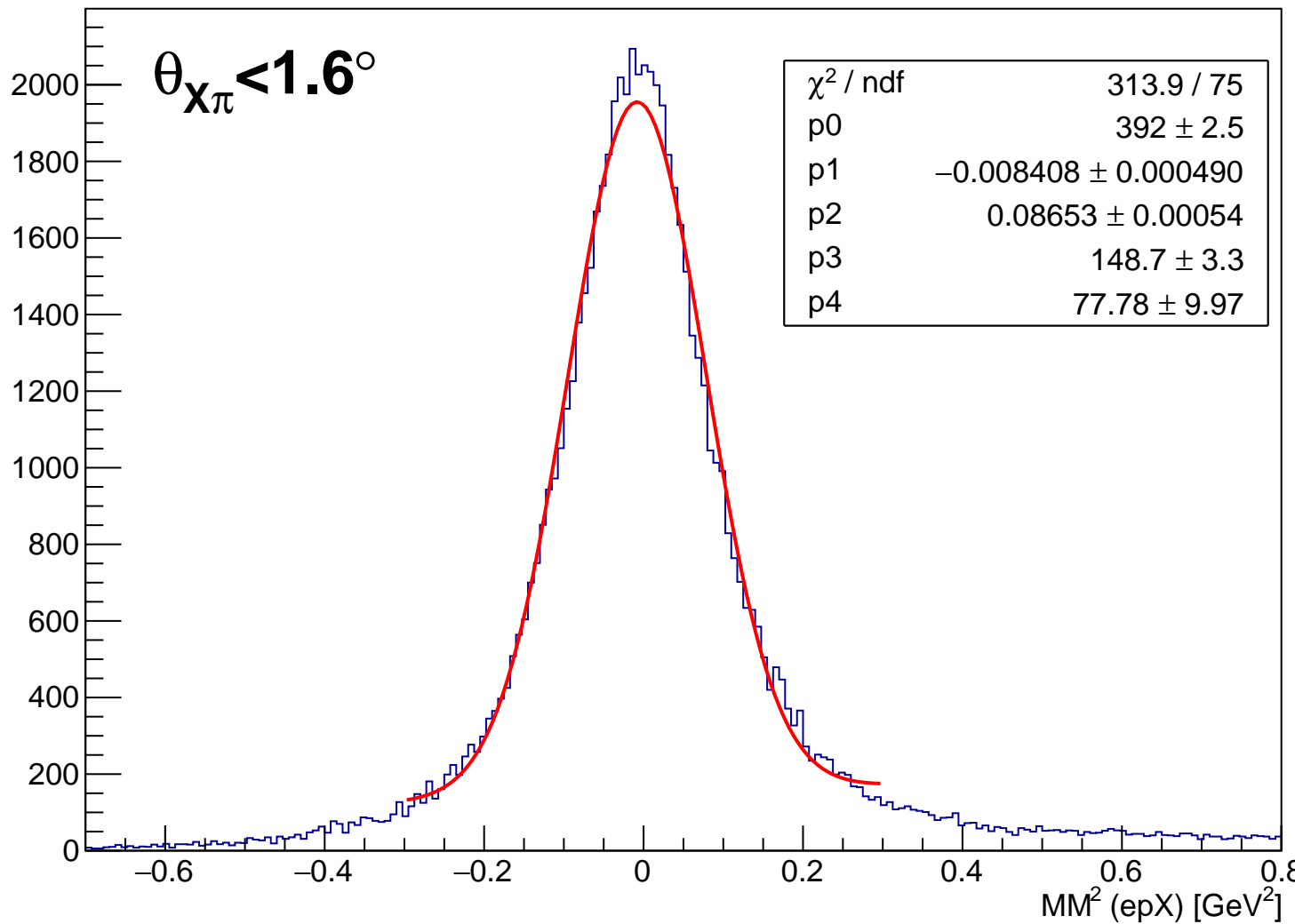


$\theta_{X\pi} < 1.2^\circ$

$\chi^2 / \text{ndf}$	330.9 / 75
p0	$351.7 \pm 2.1$
p1	$-0.01041 \pm 0.00046$
p2	$0.08095 \pm 0.00049$
p3	$109.5 \pm 2.6$
p4	$-21.19 \pm 8.28$

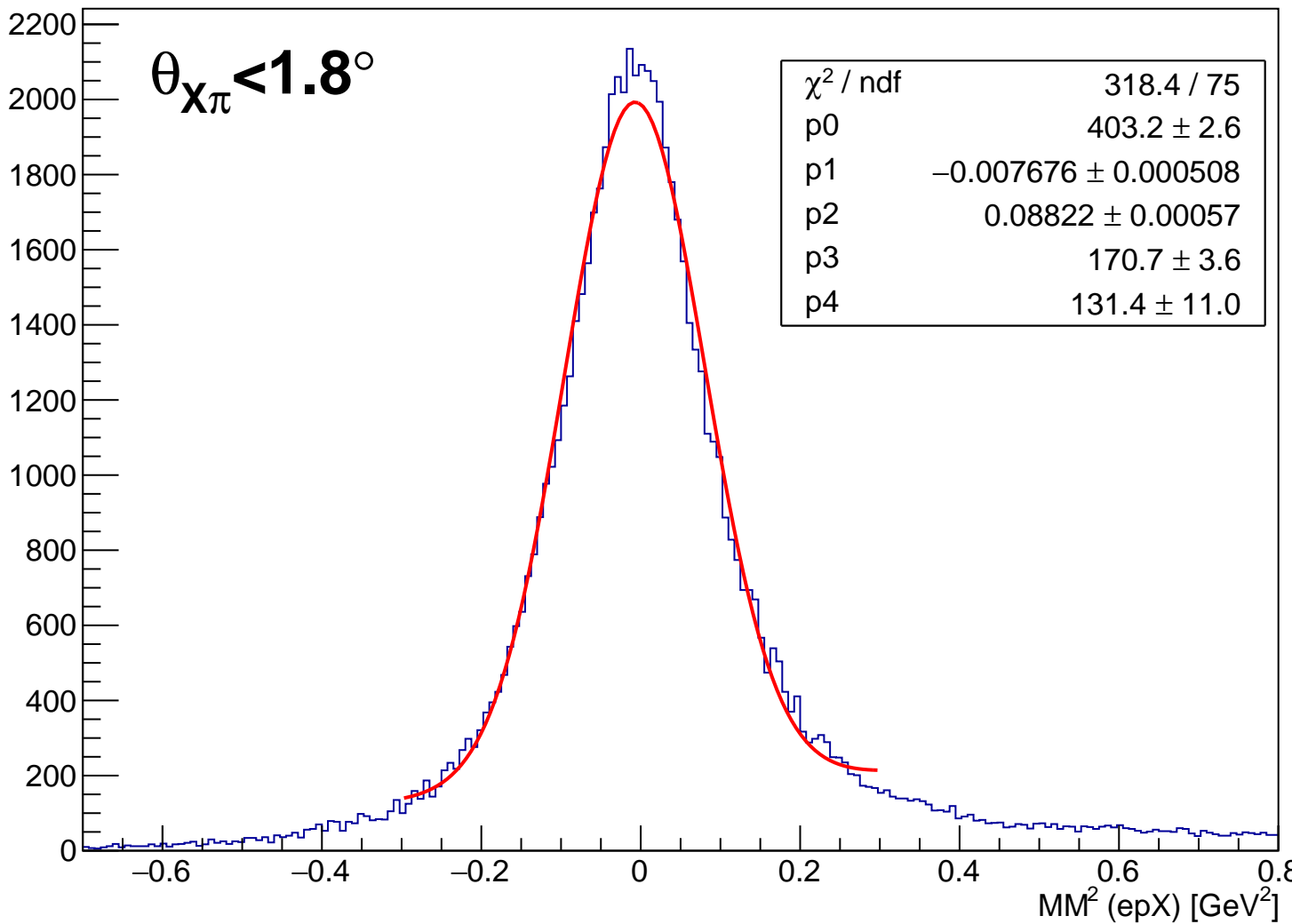




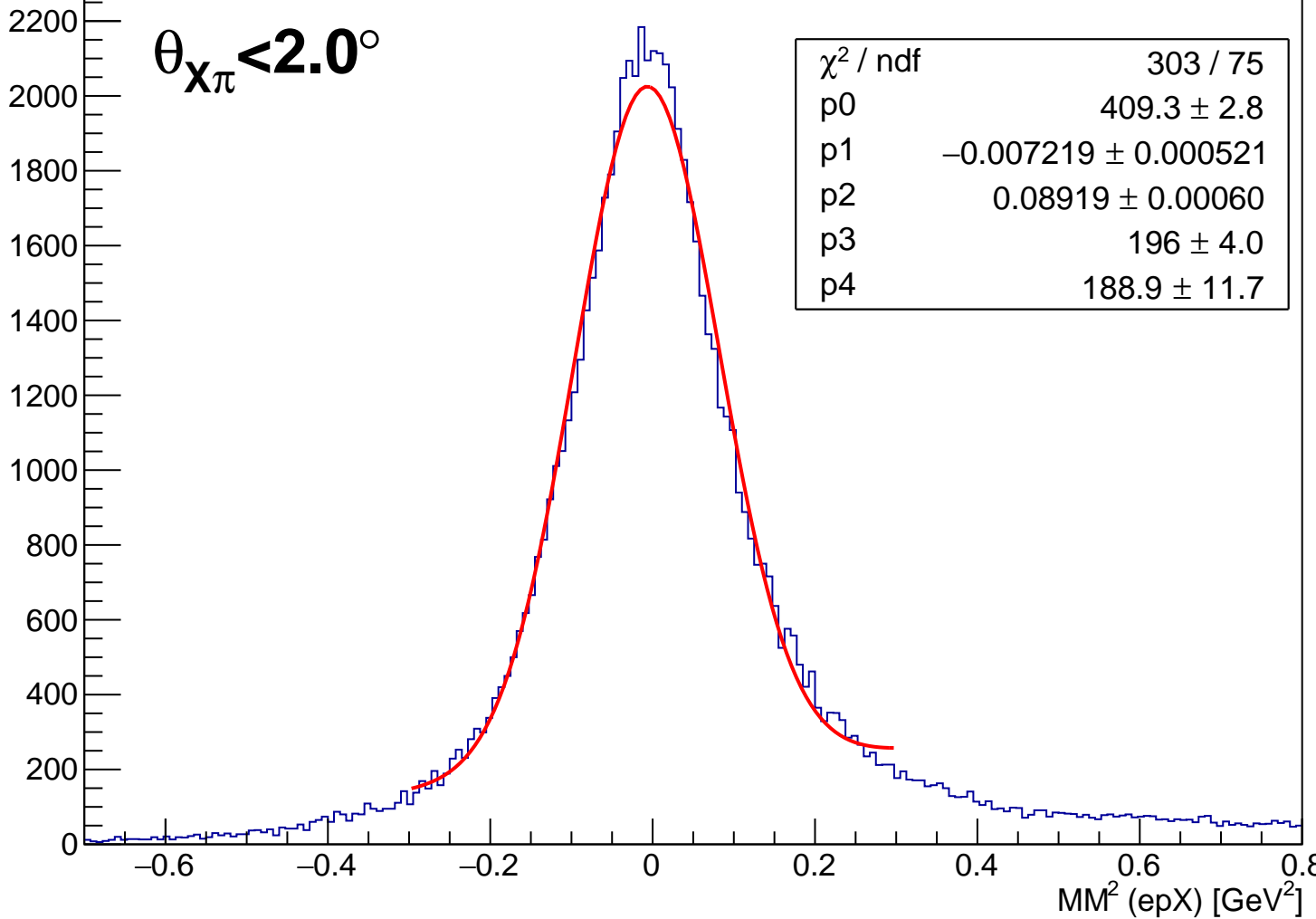


$\theta_{X\pi} < 1.8^\circ$

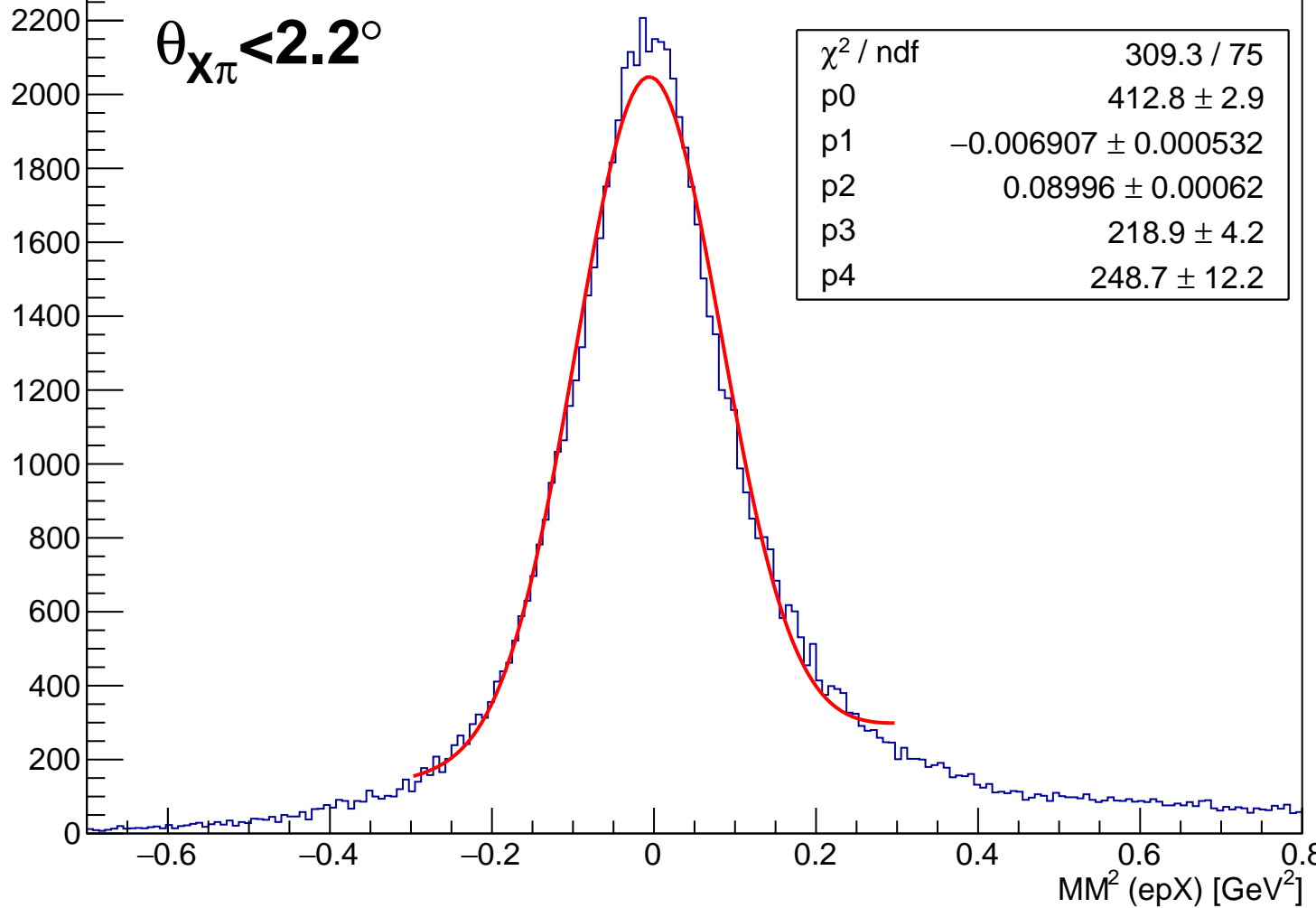
$\chi^2 / \text{ndf}$	318.4 / 75
p0	$403.2 \pm 2.6$
p1	$-0.007676 \pm 0.000508$
p2	$0.08822 \pm 0.00057$
p3	$170.7 \pm 3.6$
p4	$131.4 \pm 11.0$



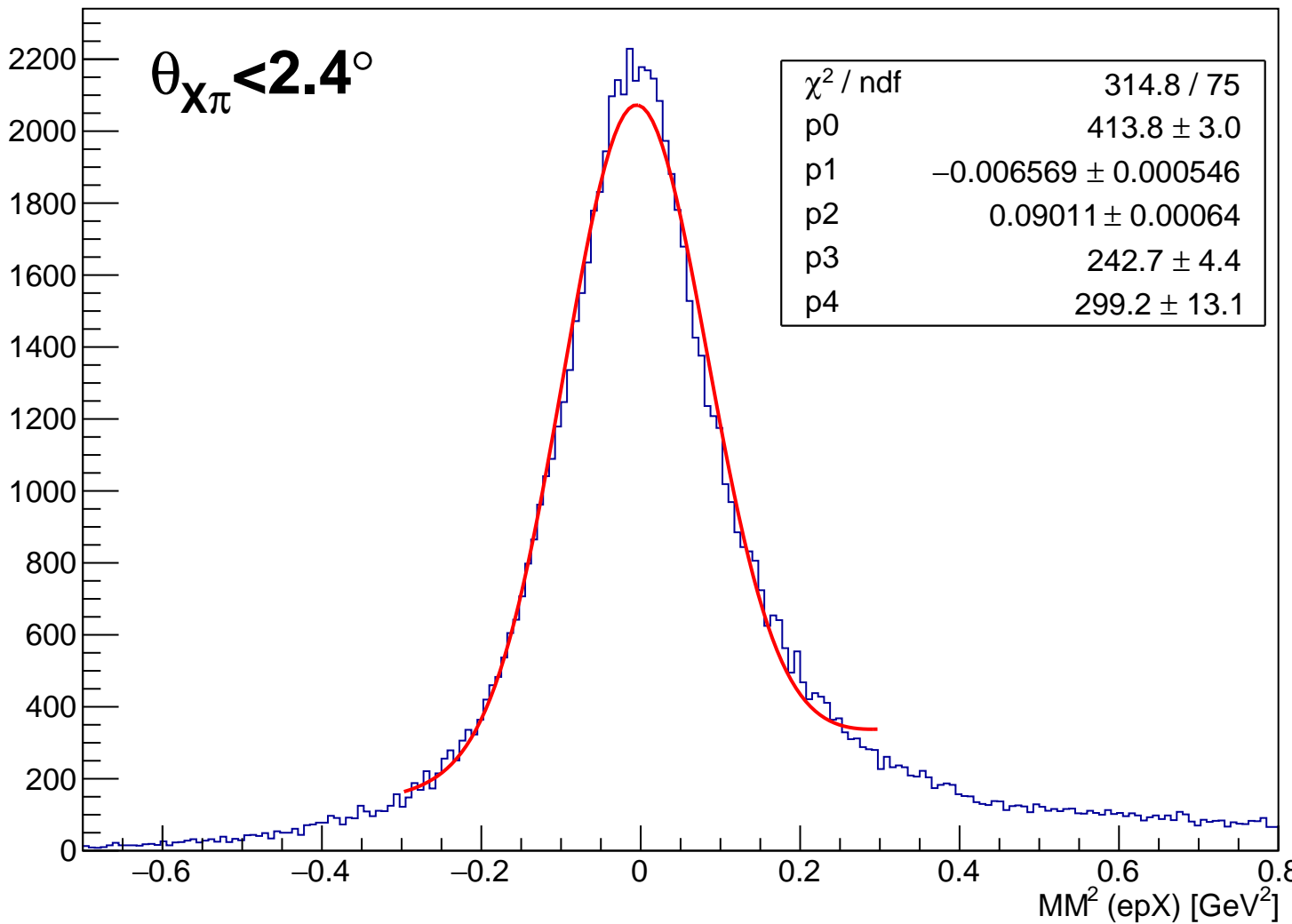
$\theta_{X\pi} < 2.0^\circ$



$\theta_{\chi\pi} < 2.2^\circ$

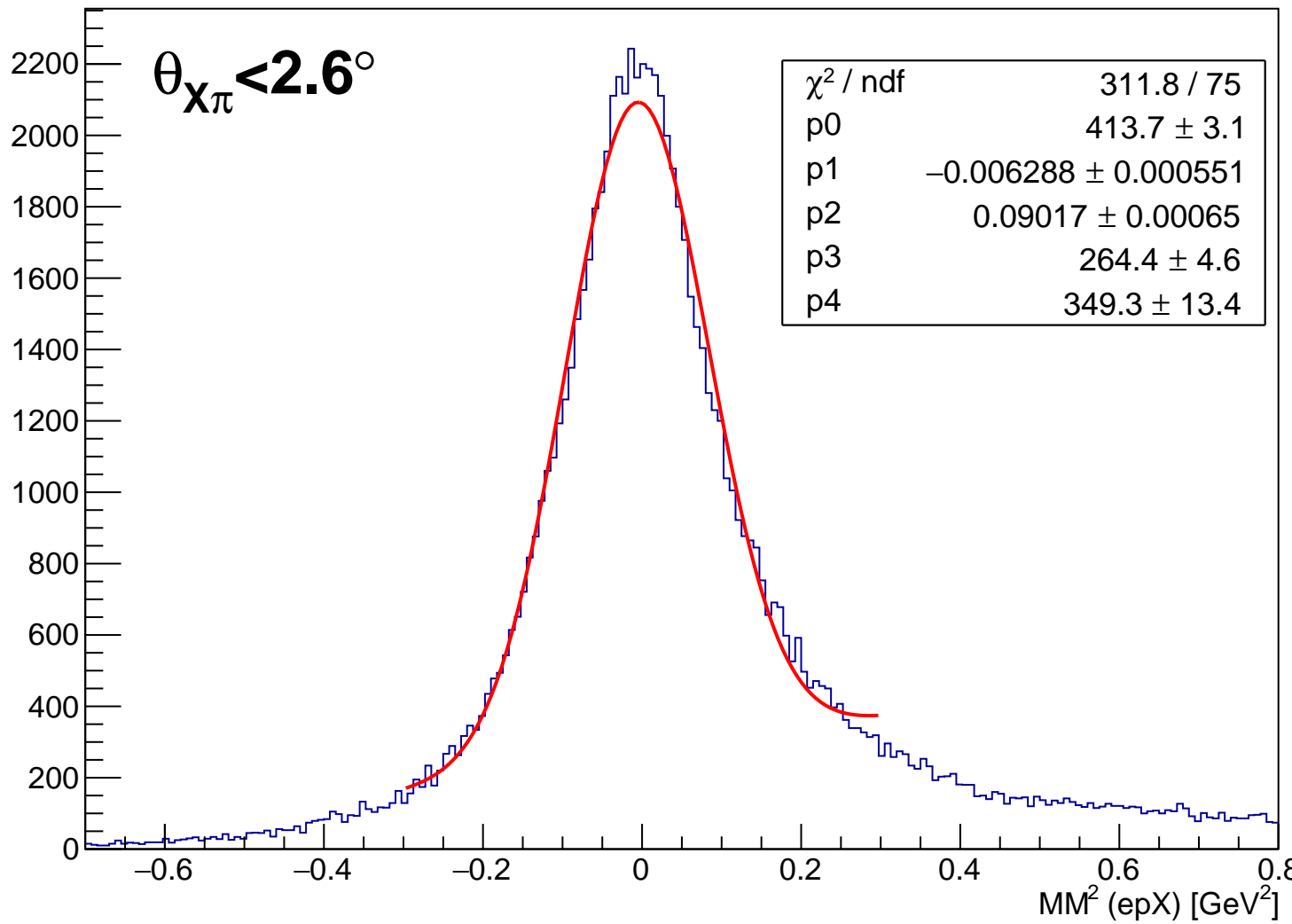


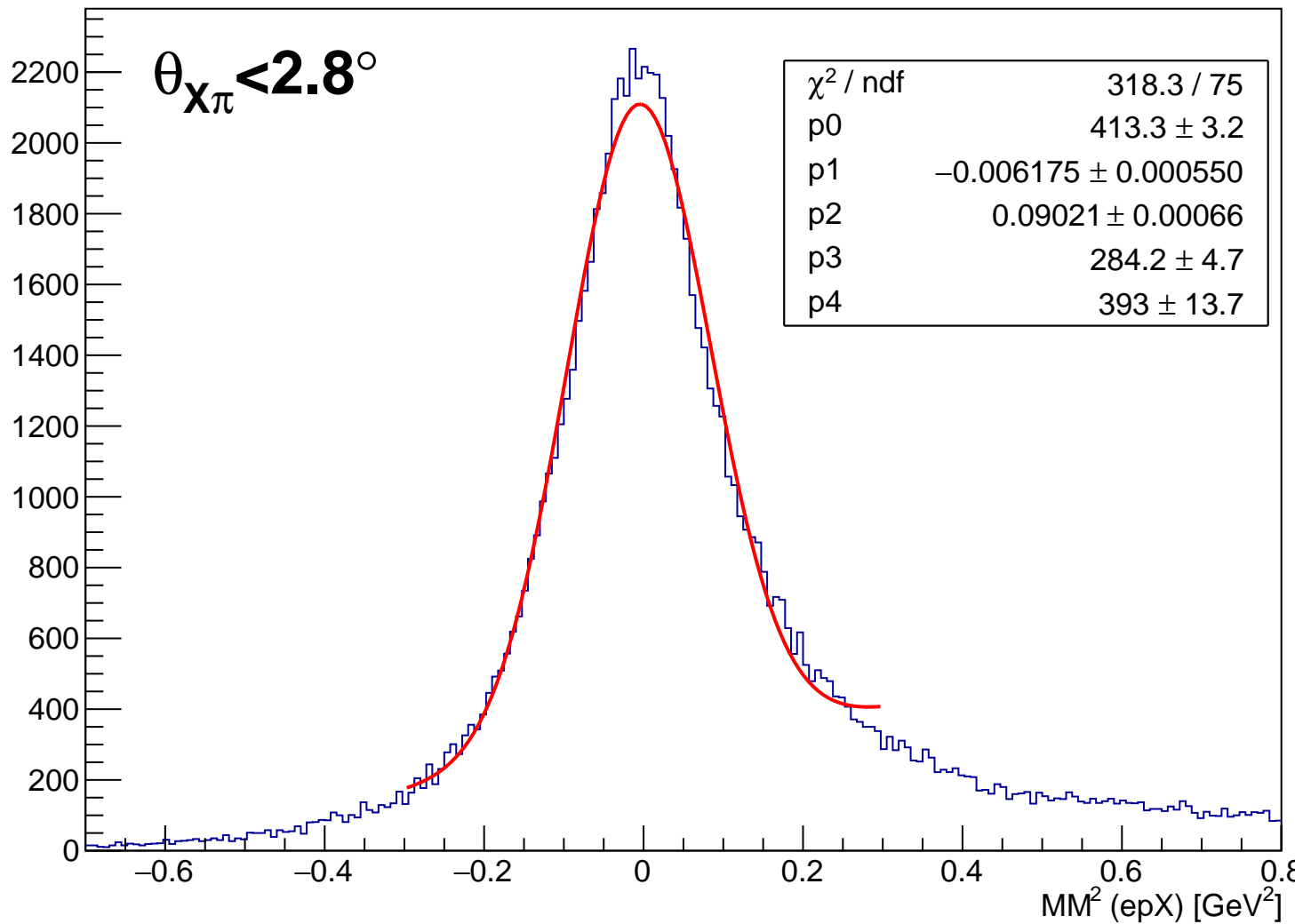
$\theta_{X\pi} < 2.4^\circ$



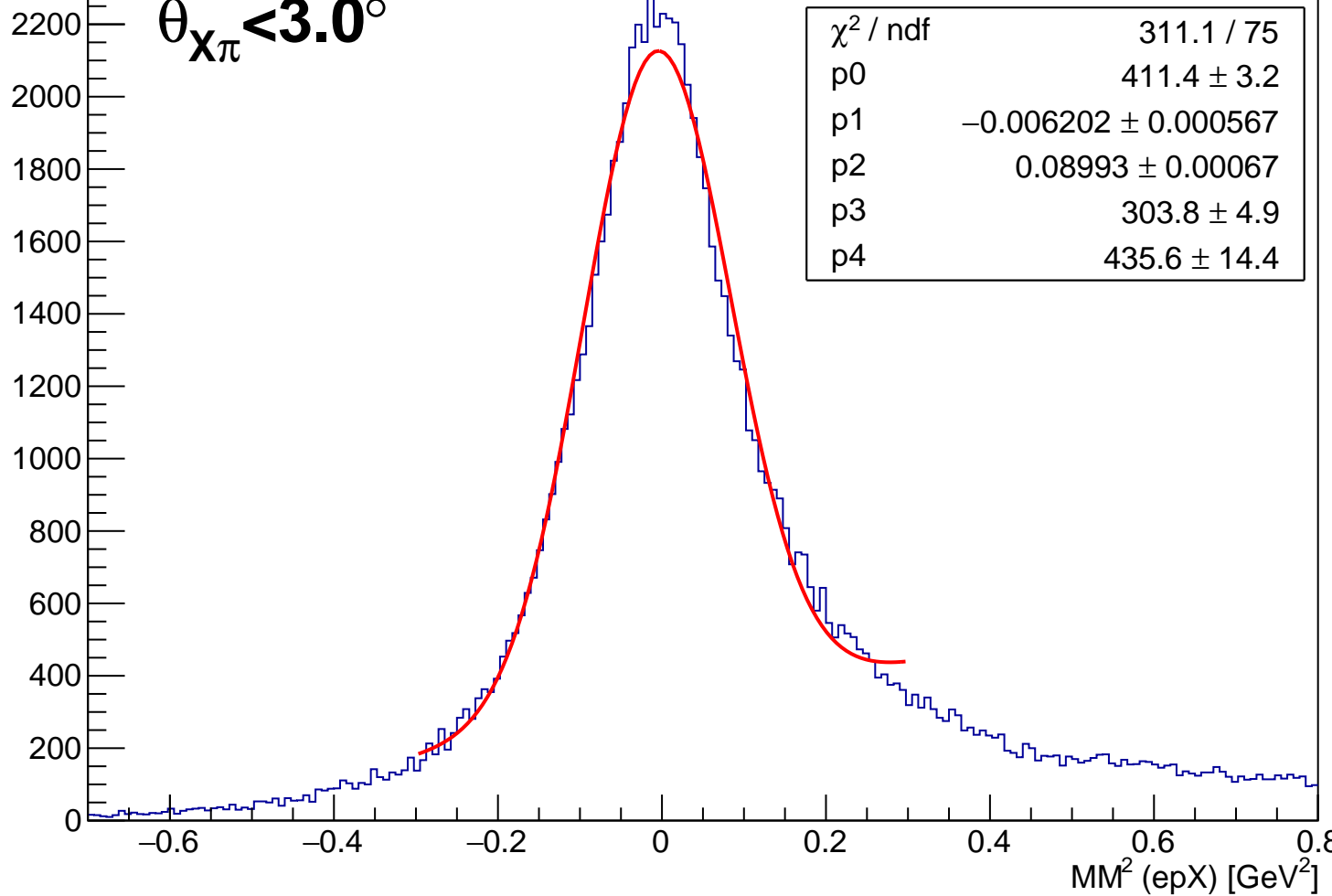


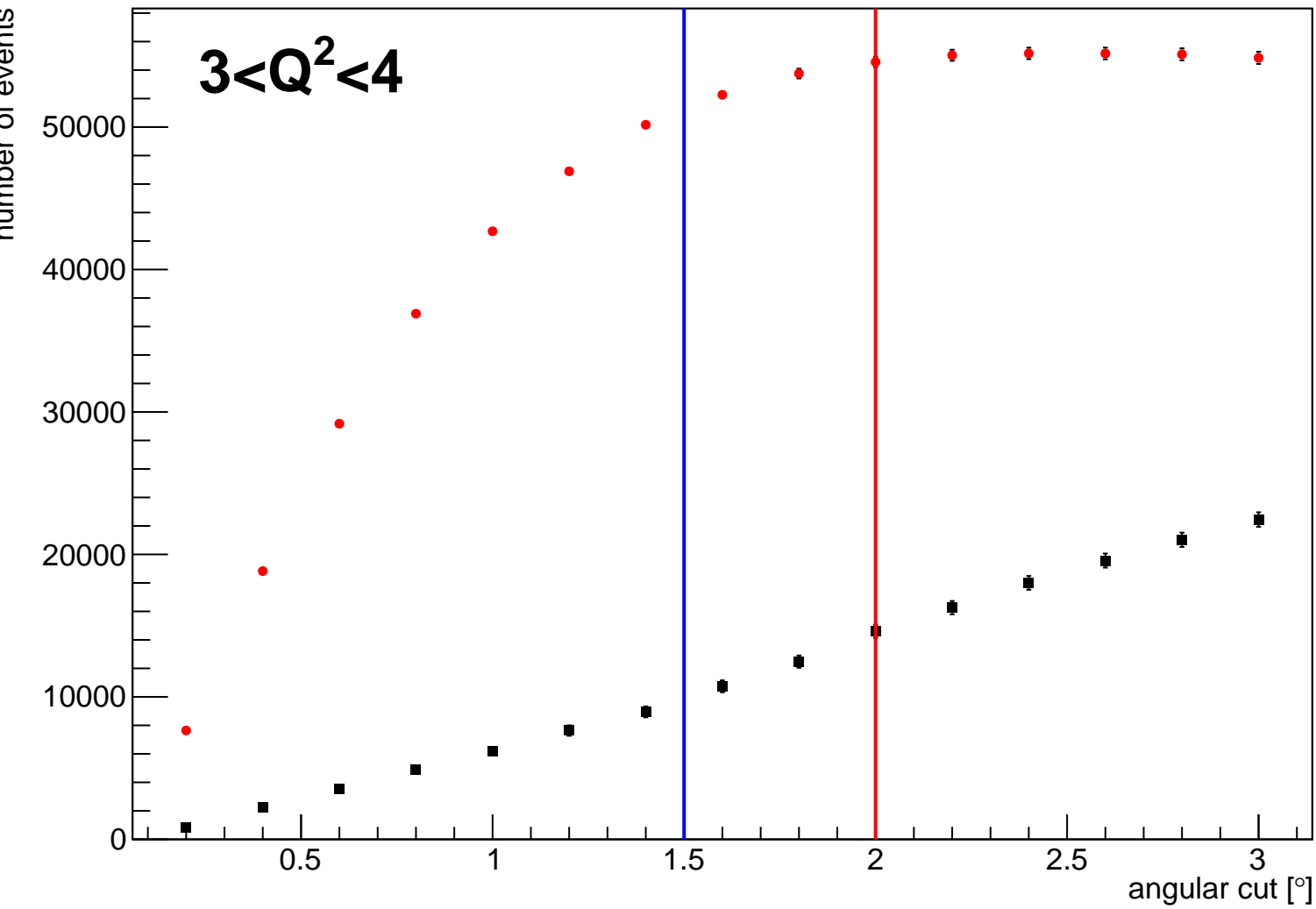
$\theta_{X\pi} < 2.6^\circ$



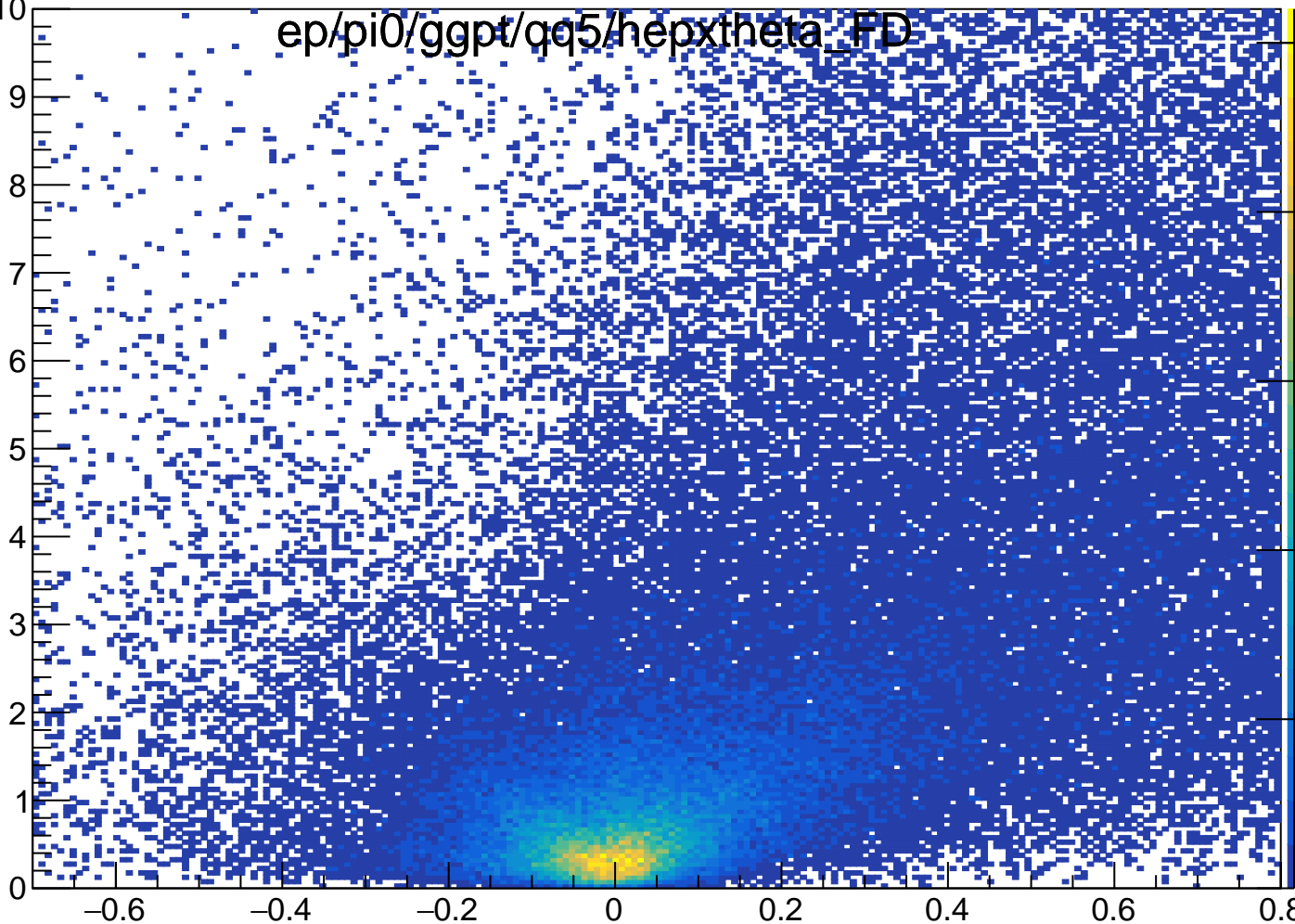


$\theta_{X\pi} < 3.0^\circ$

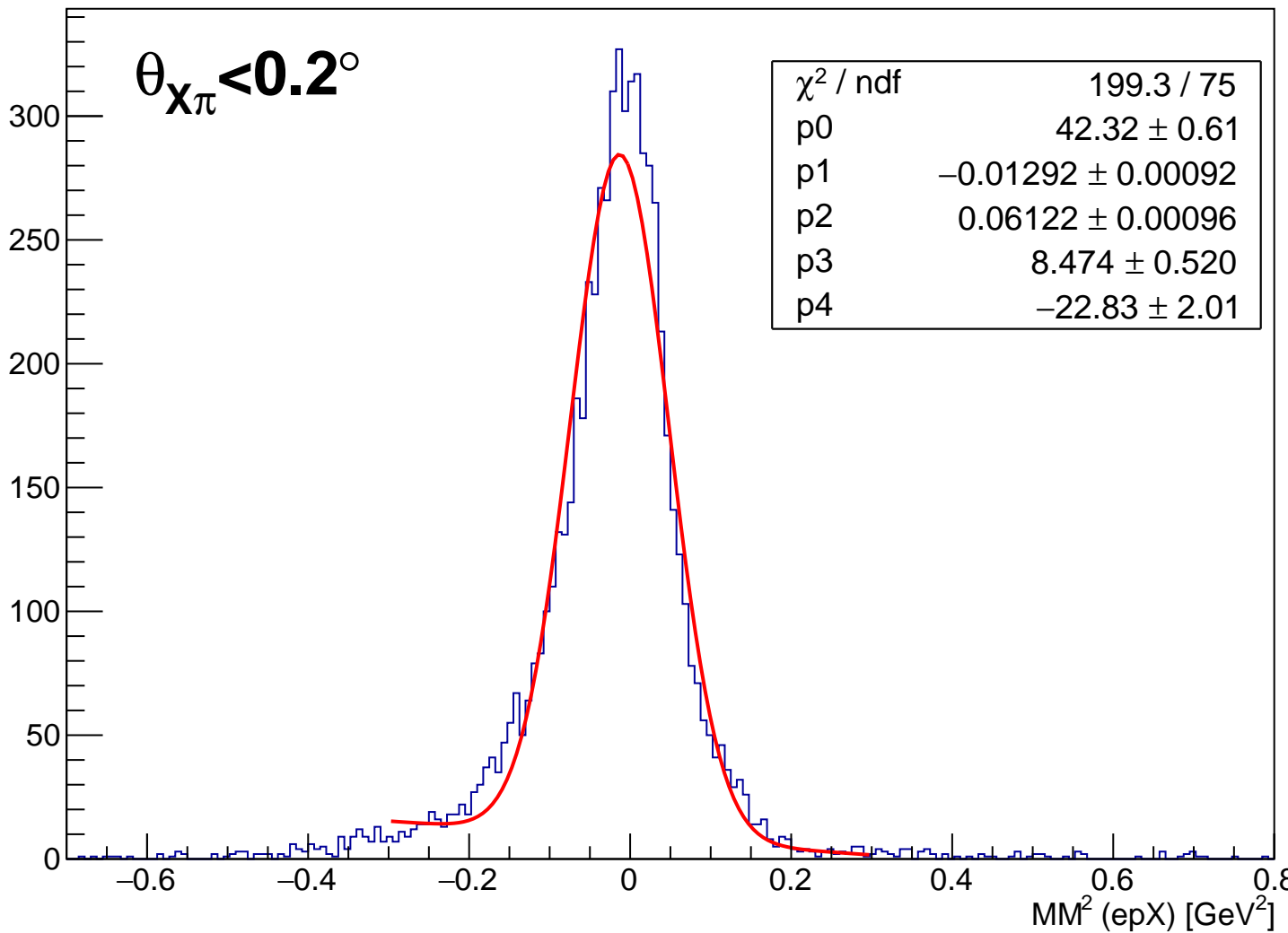




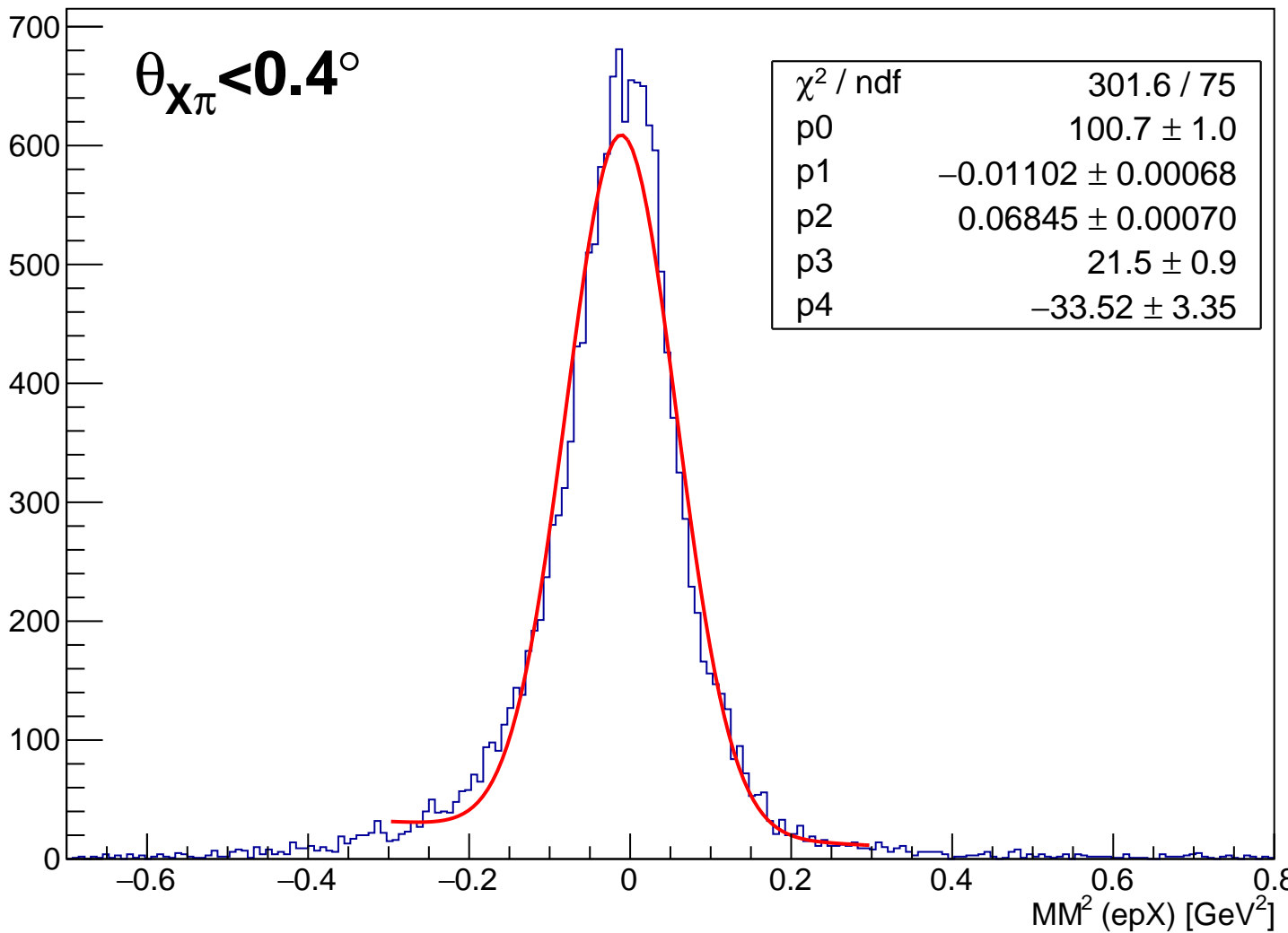
ep/pi0/ggpt/qq5/hepxtheta\_FD



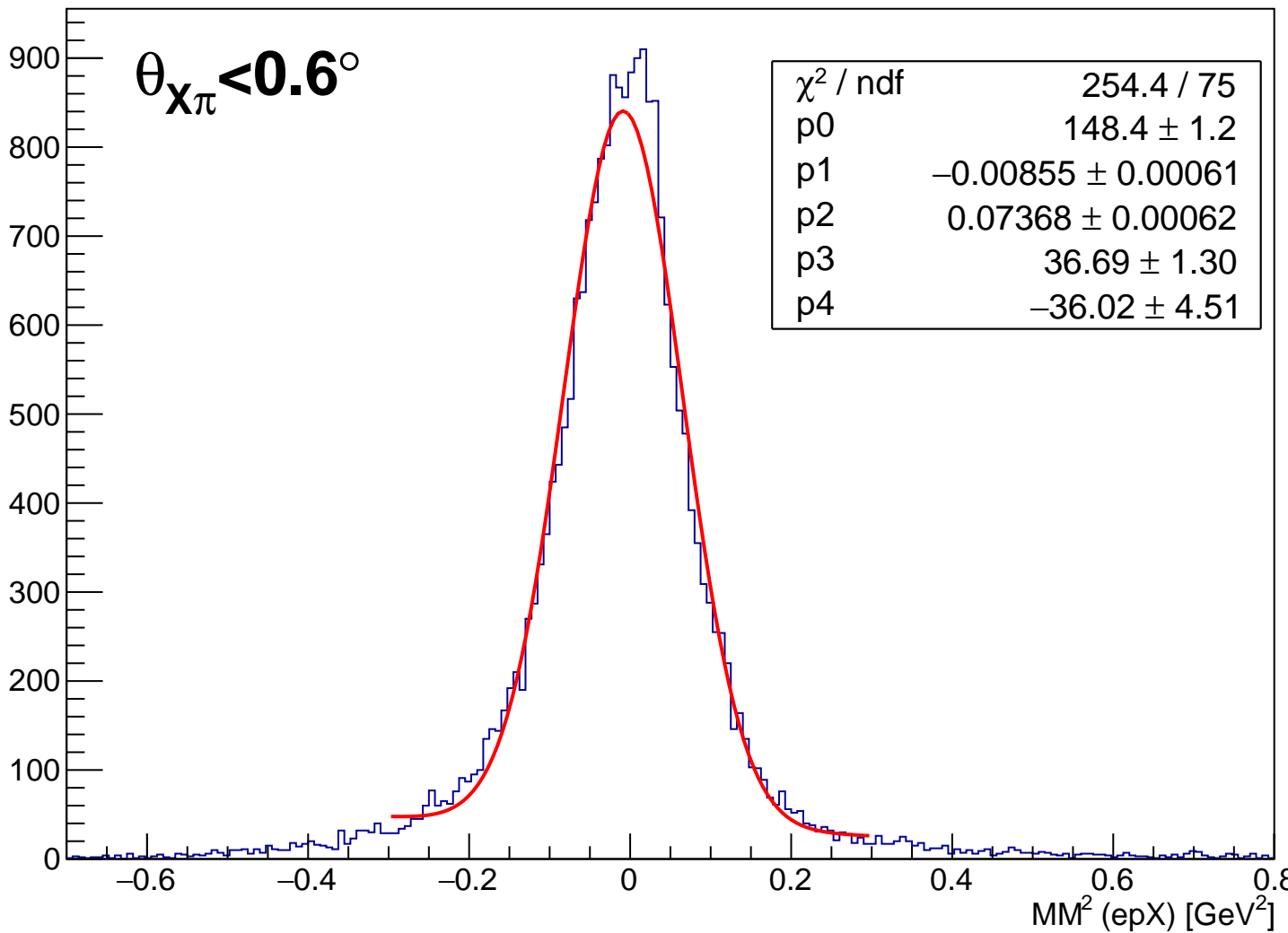
$\theta_{X\pi} < 0.2^\circ$



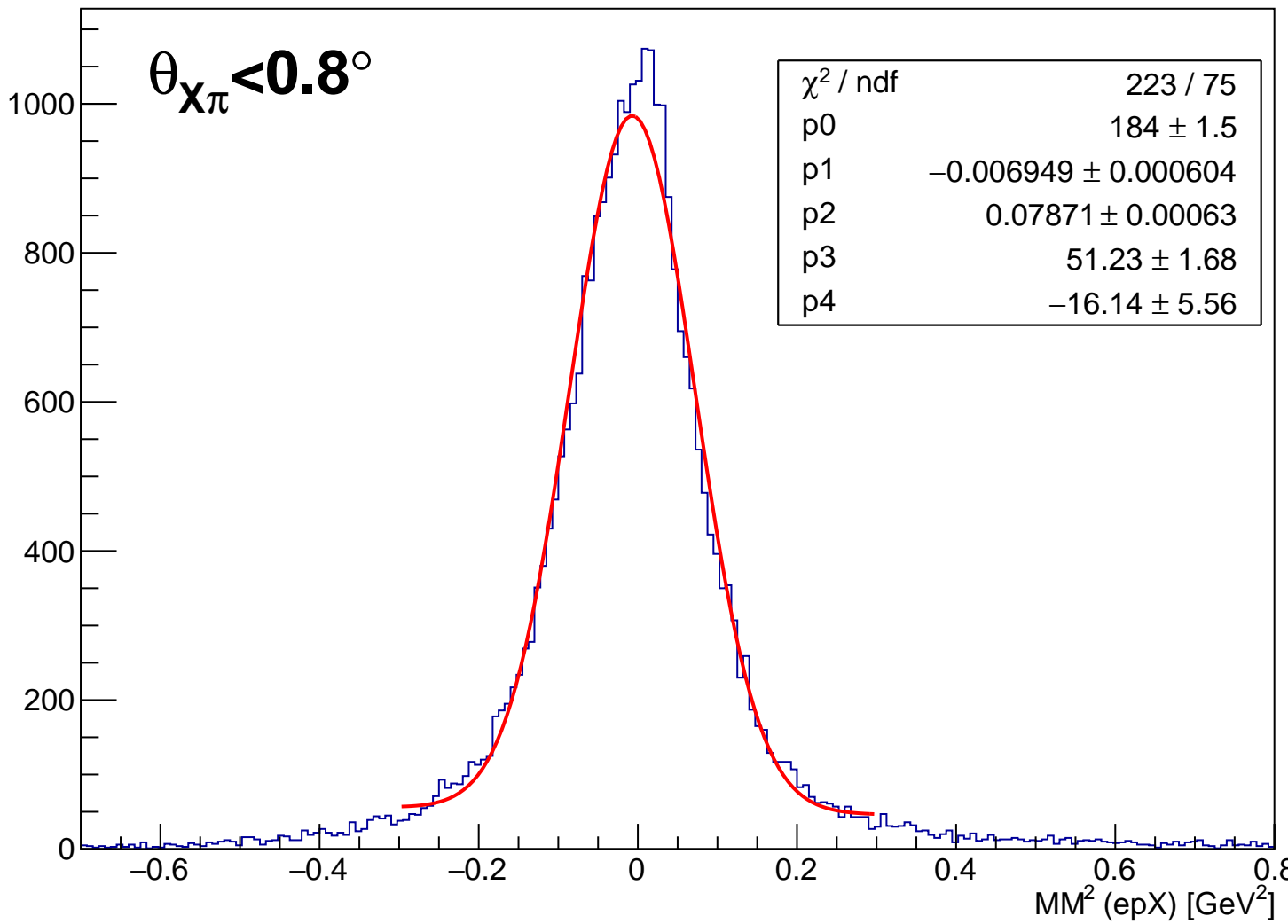
$\theta_{X\pi} < 0.4^\circ$



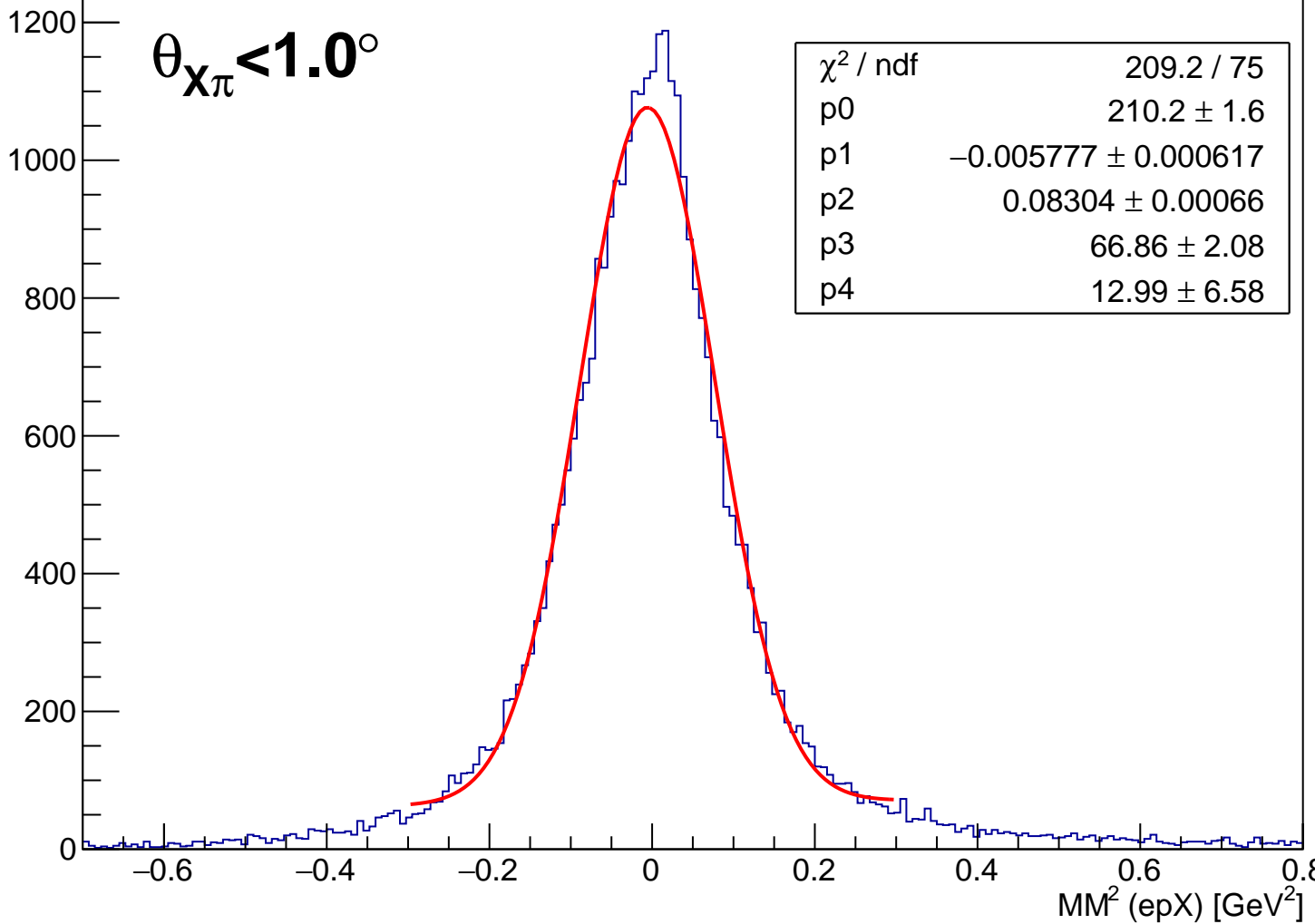
$\theta_{X\pi} < 0.6^\circ$

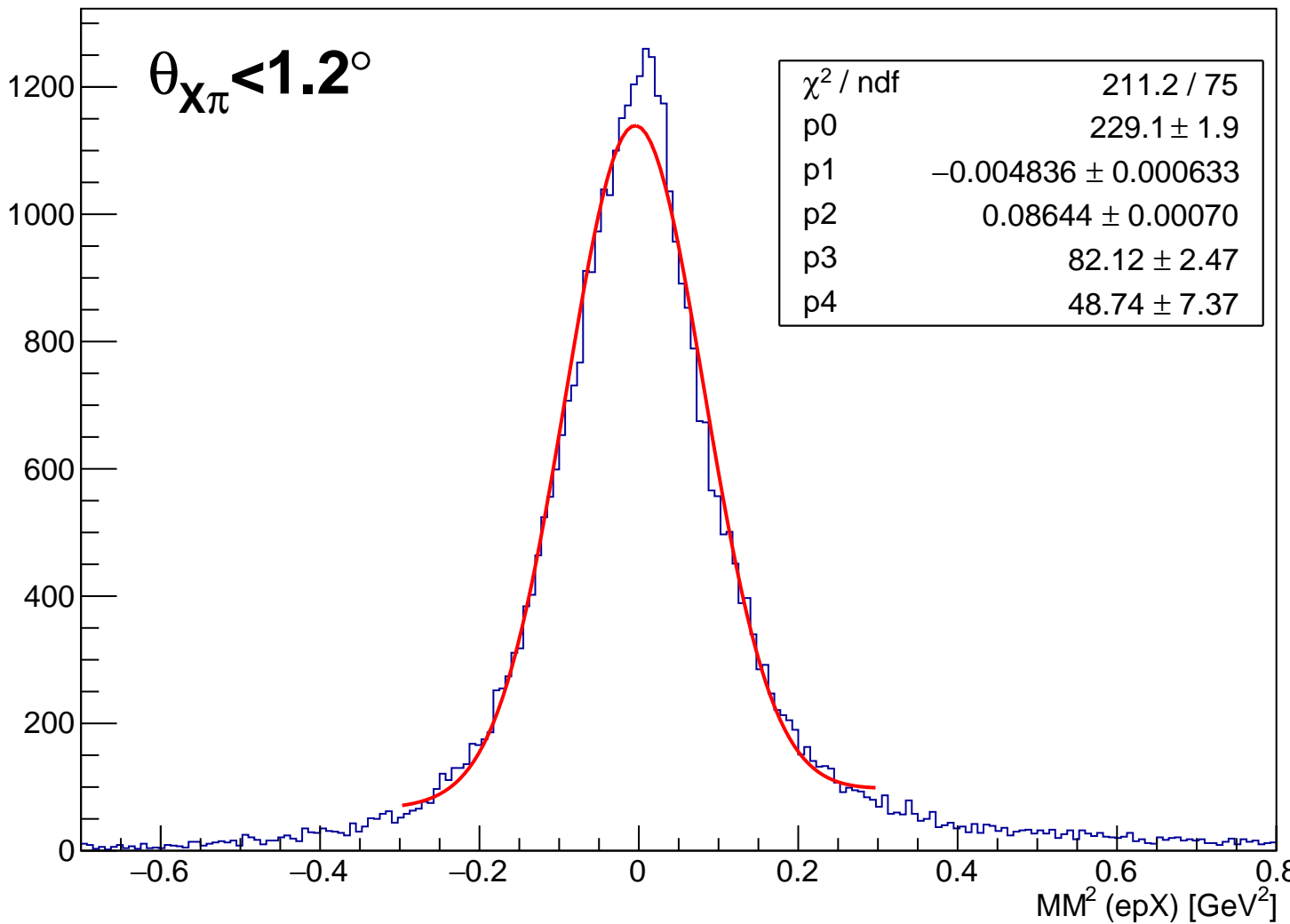




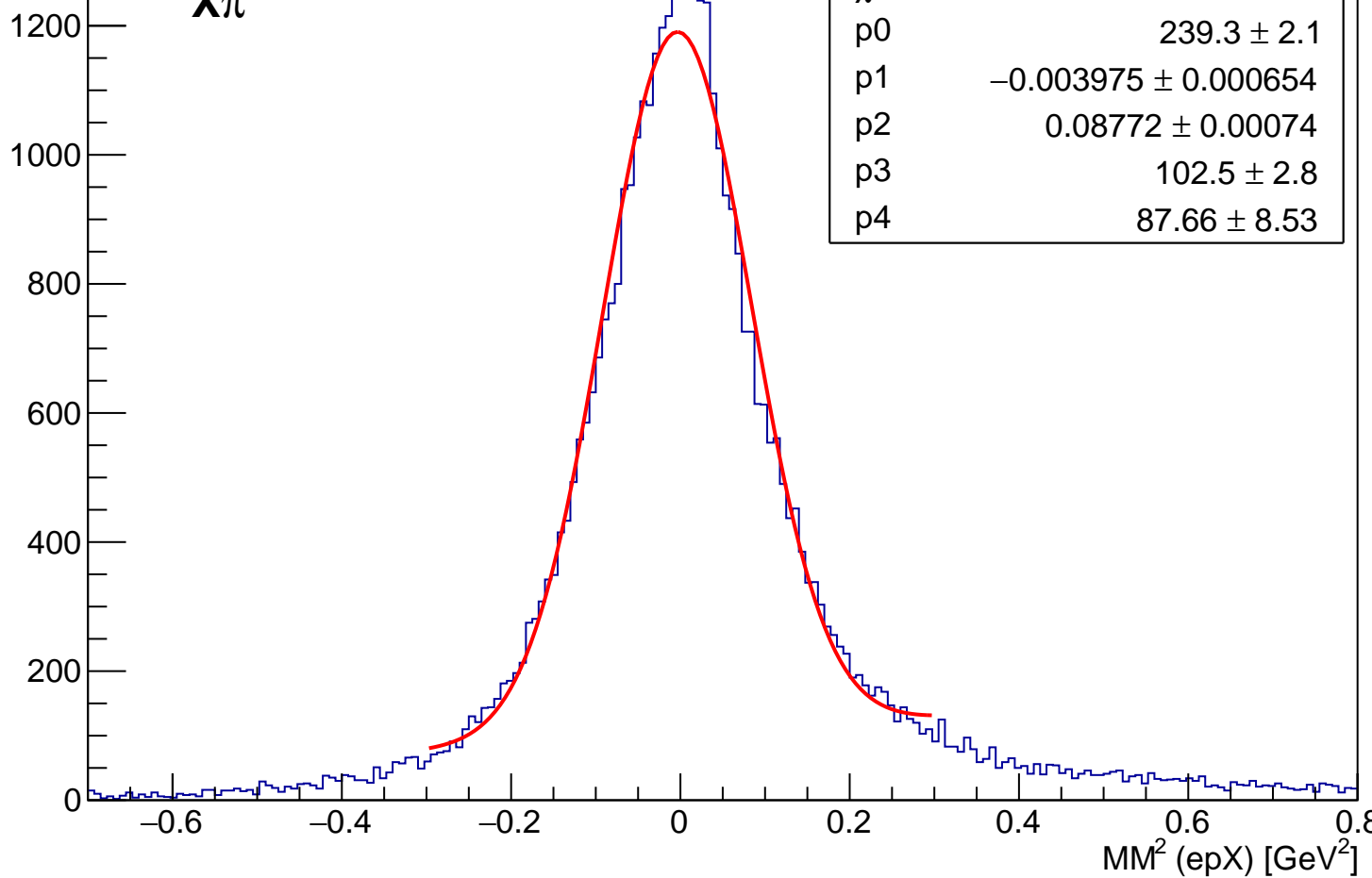


$\theta_{X\pi} < 1.0^\circ$

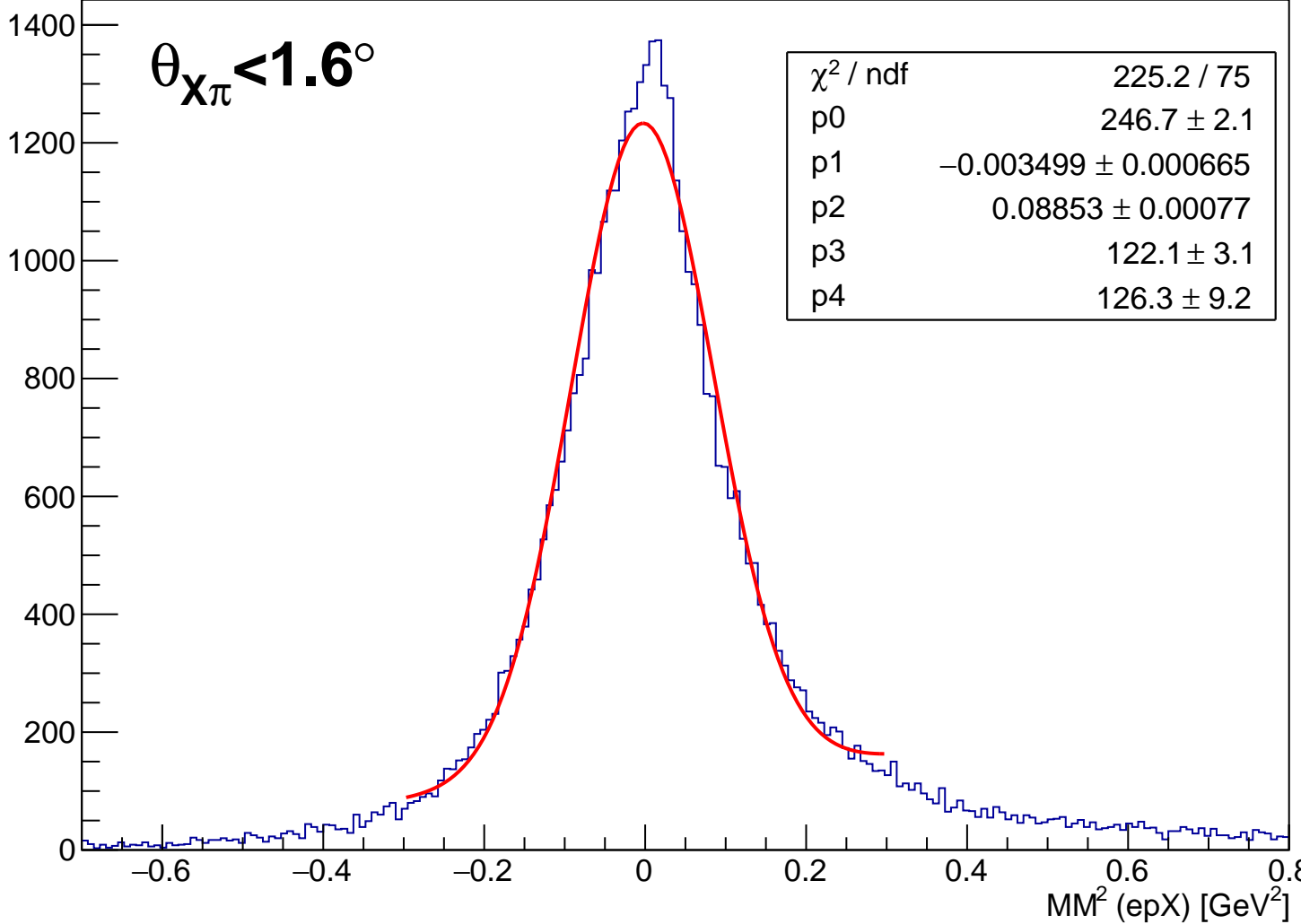




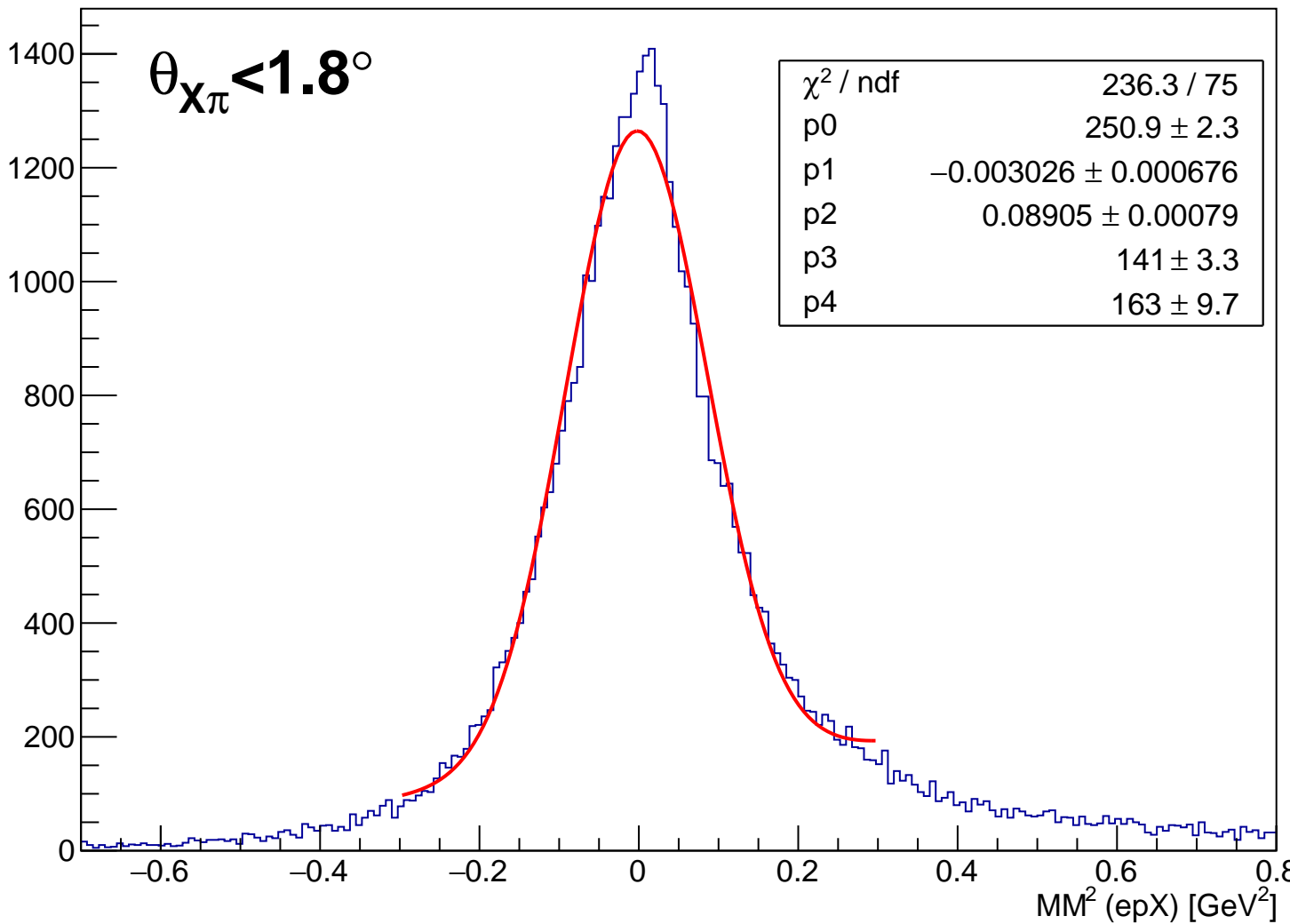
$\theta_{X\pi} < 1.4^\circ$



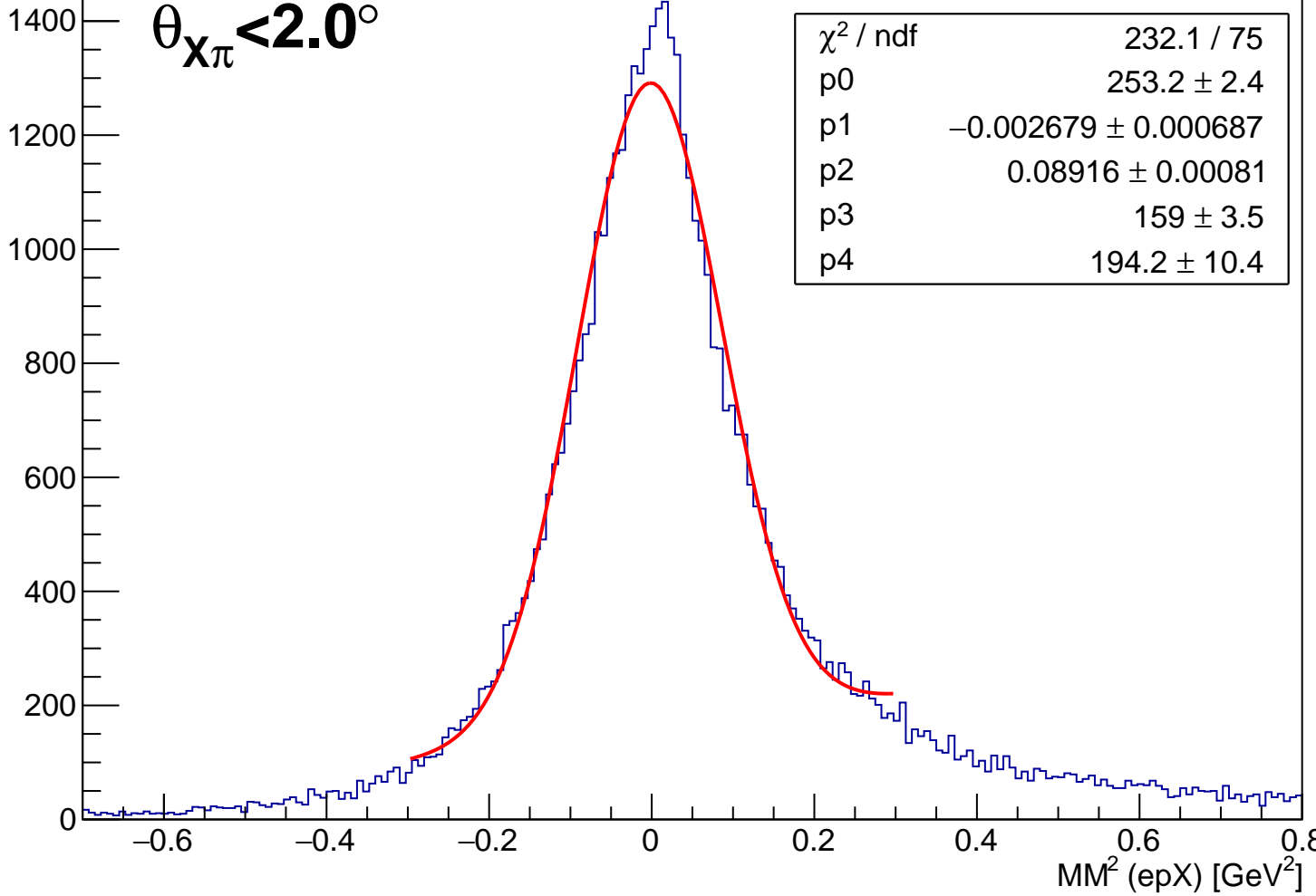
$\theta_{X\pi} < 1.6^\circ$



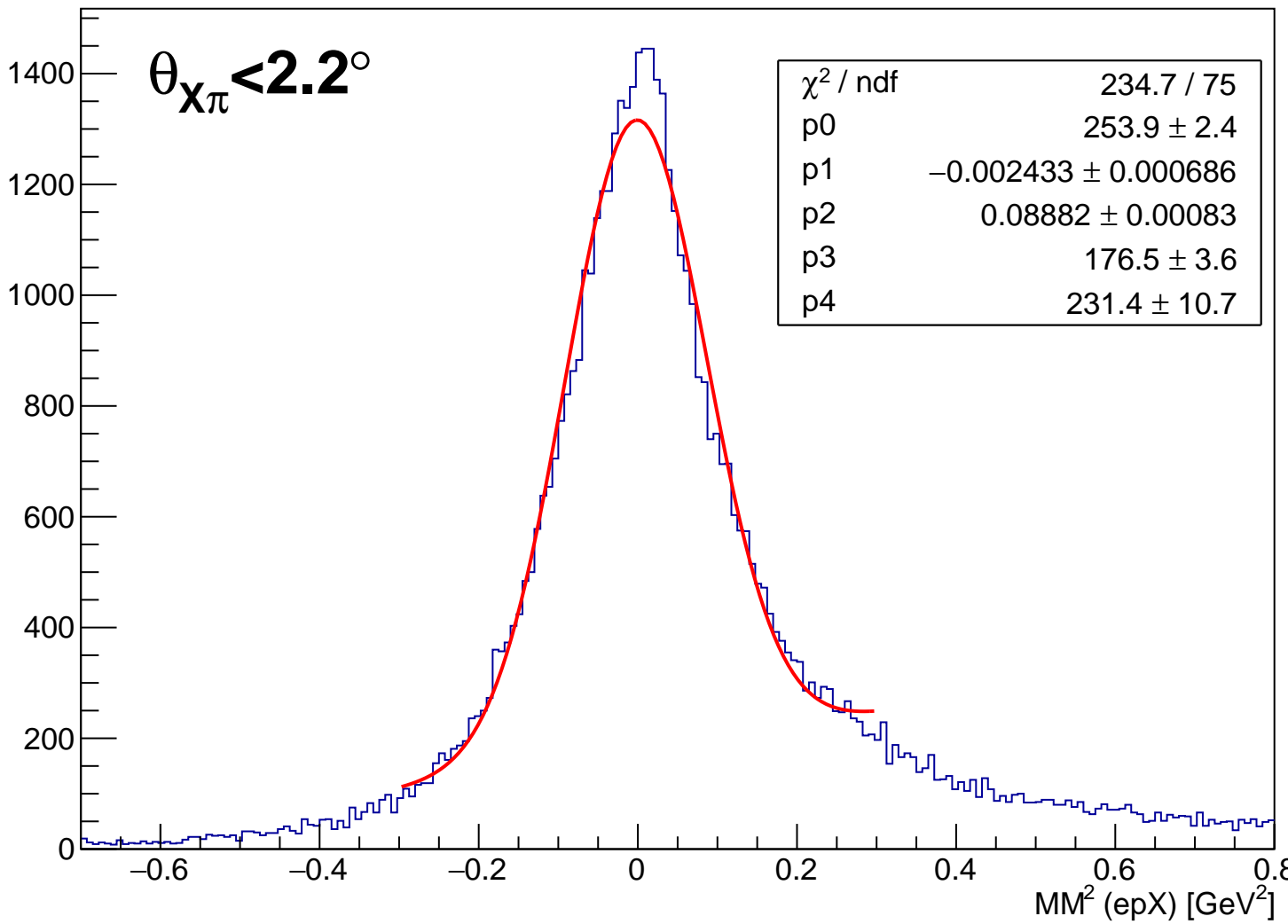
$\theta_{X\pi} < 1.8^\circ$



$\theta_{X\pi} < 2.0^\circ$

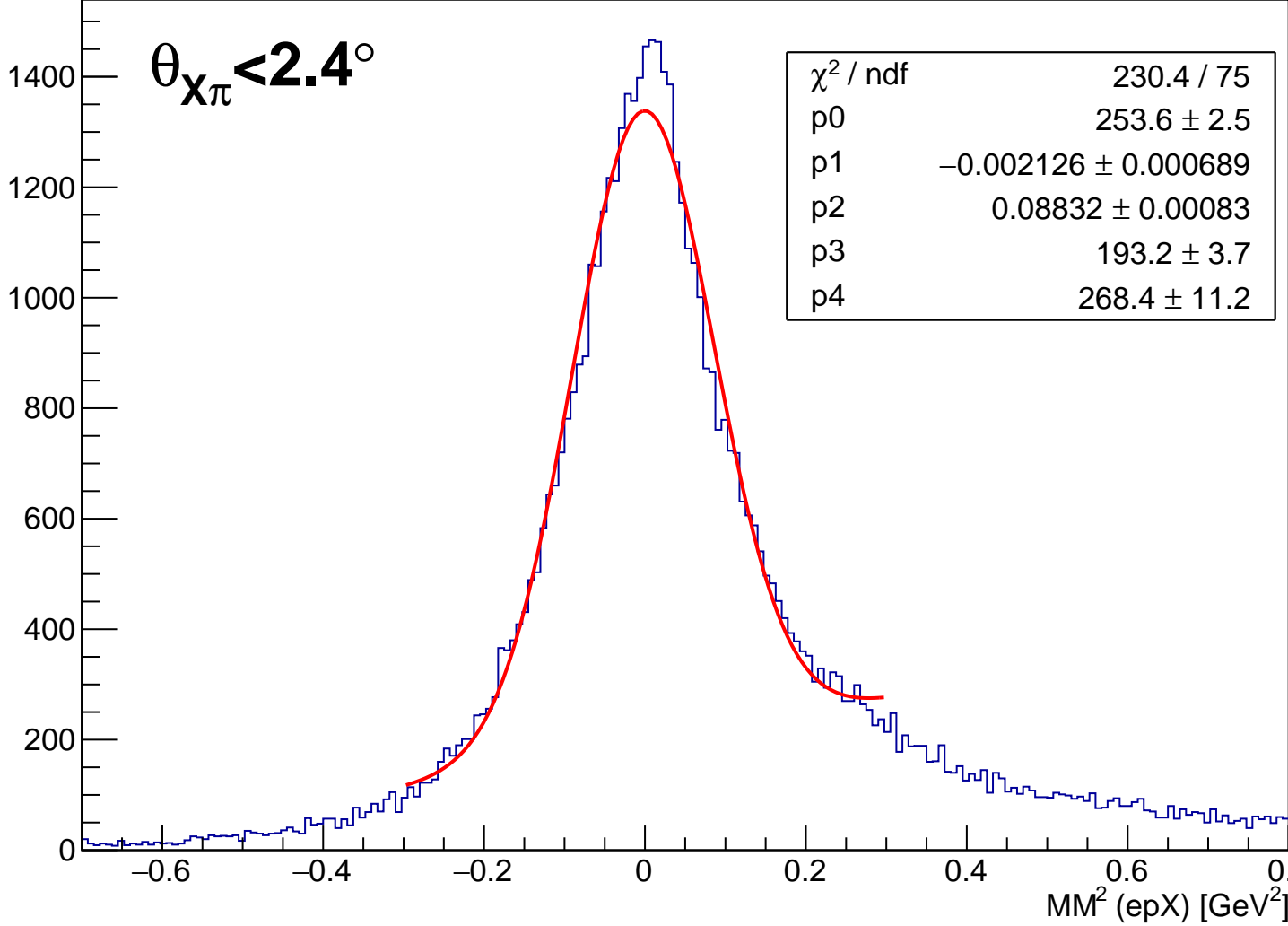


$\chi^2 / \text{ndf}$	232.1 / 75
p0	$253.2 \pm 2.4$
p1	$-0.002679 \pm 0.000687$
p2	$0.08916 \pm 0.00081$
p3	$159 \pm 3.5$
p4	$194.2 \pm 10.4$

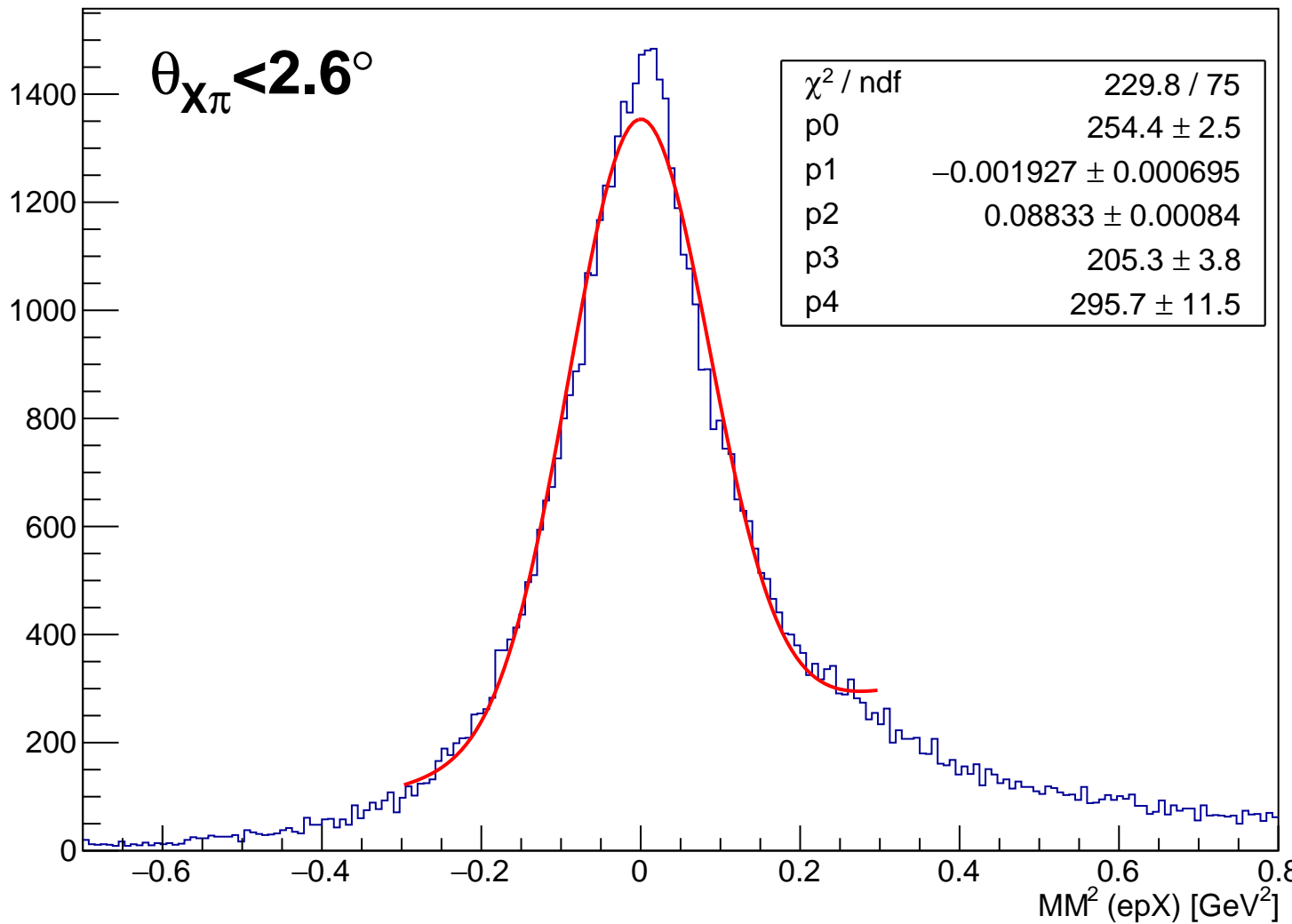




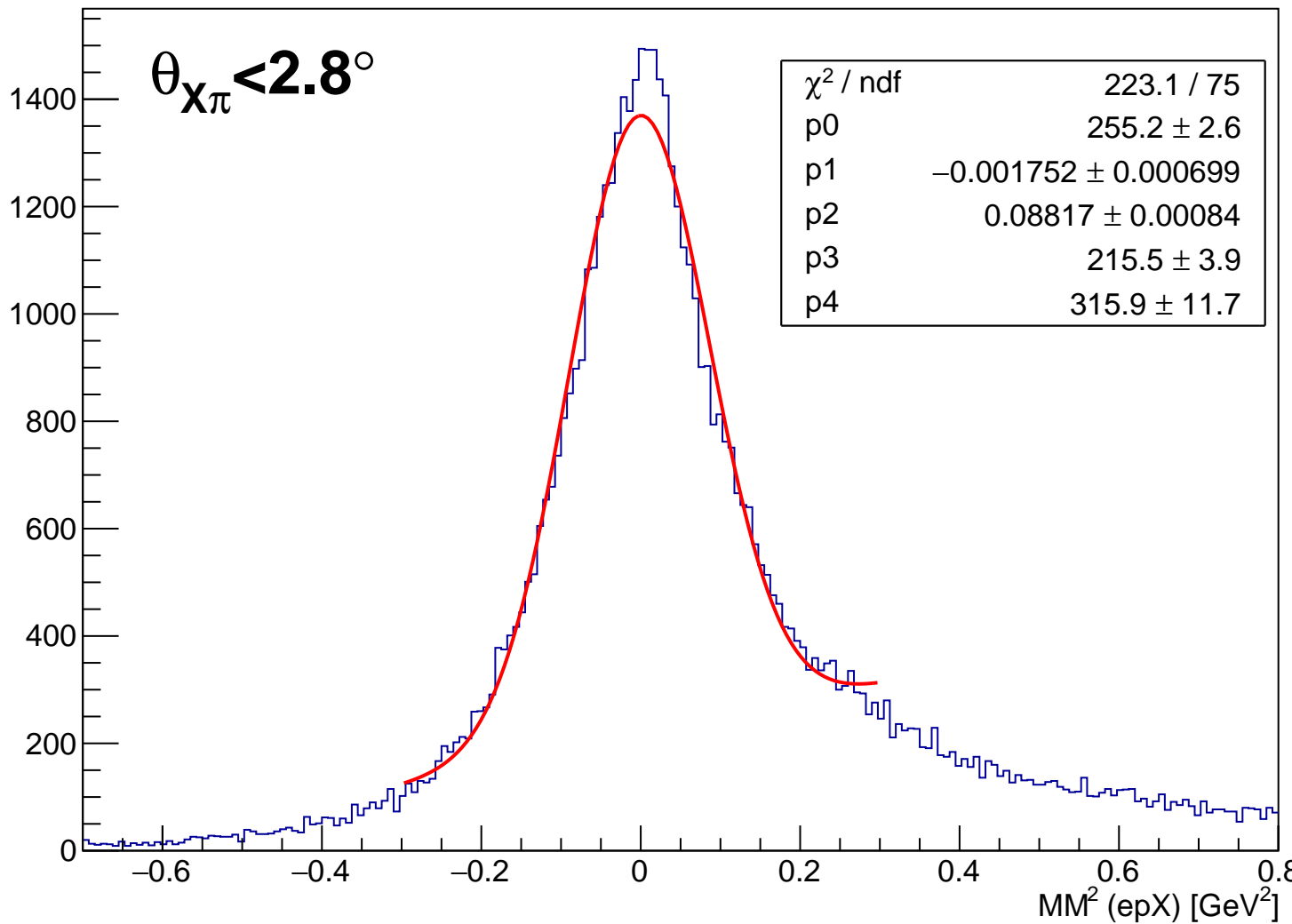
$\theta_{X\pi} < 2.4^\circ$



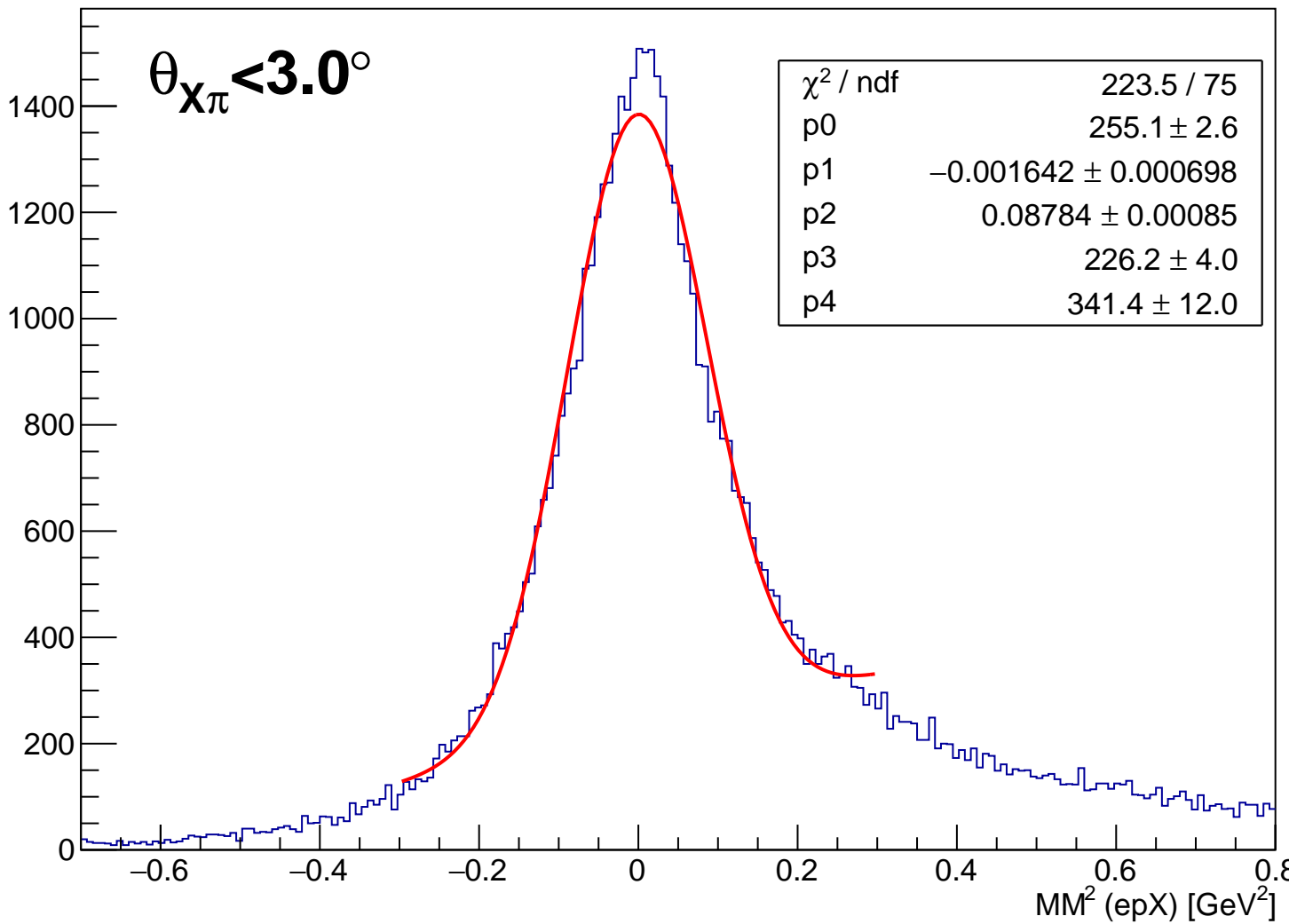
$\theta_{X\pi} < 2.6^\circ$

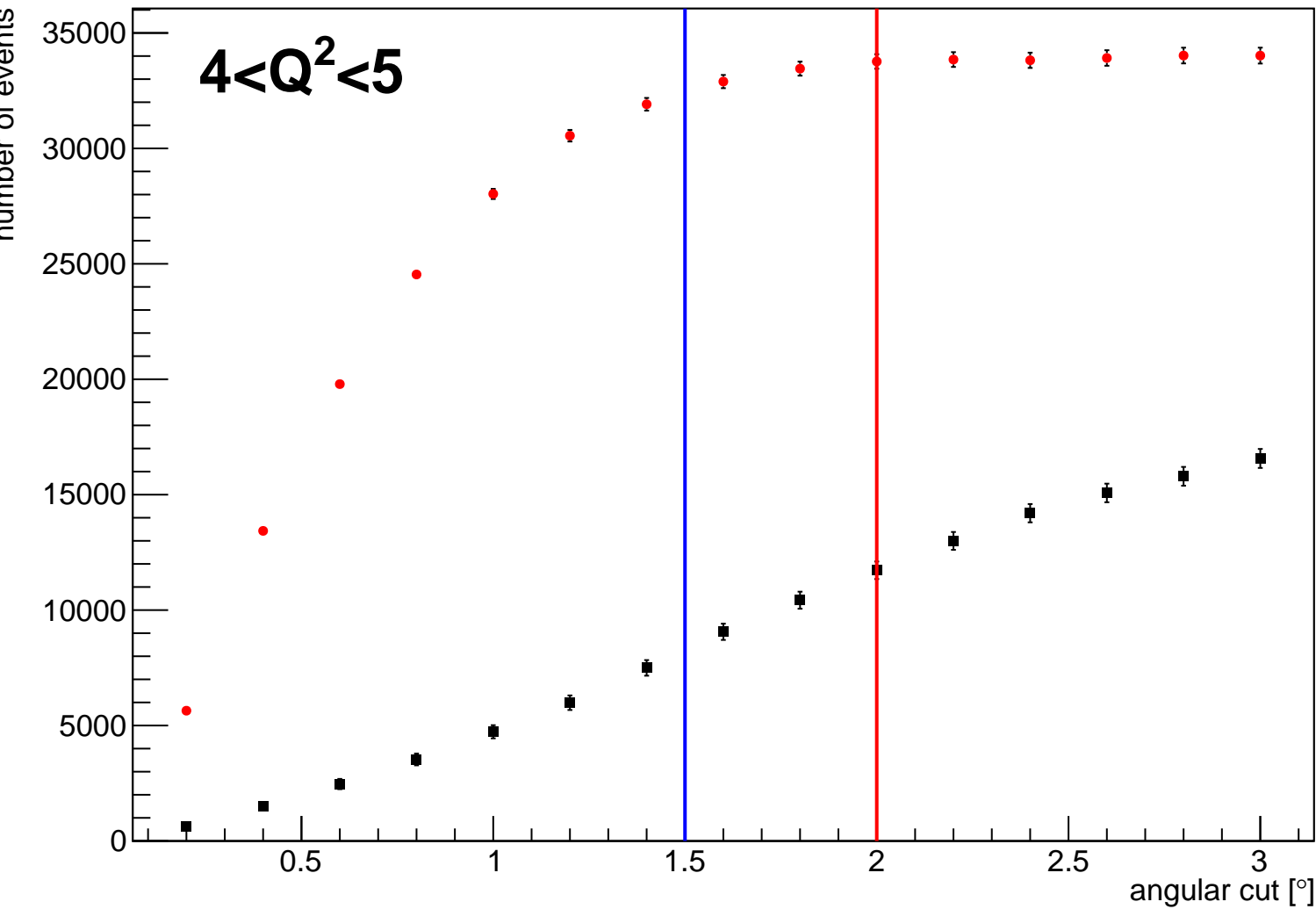


$\theta_{X\pi} < 2.8^\circ$

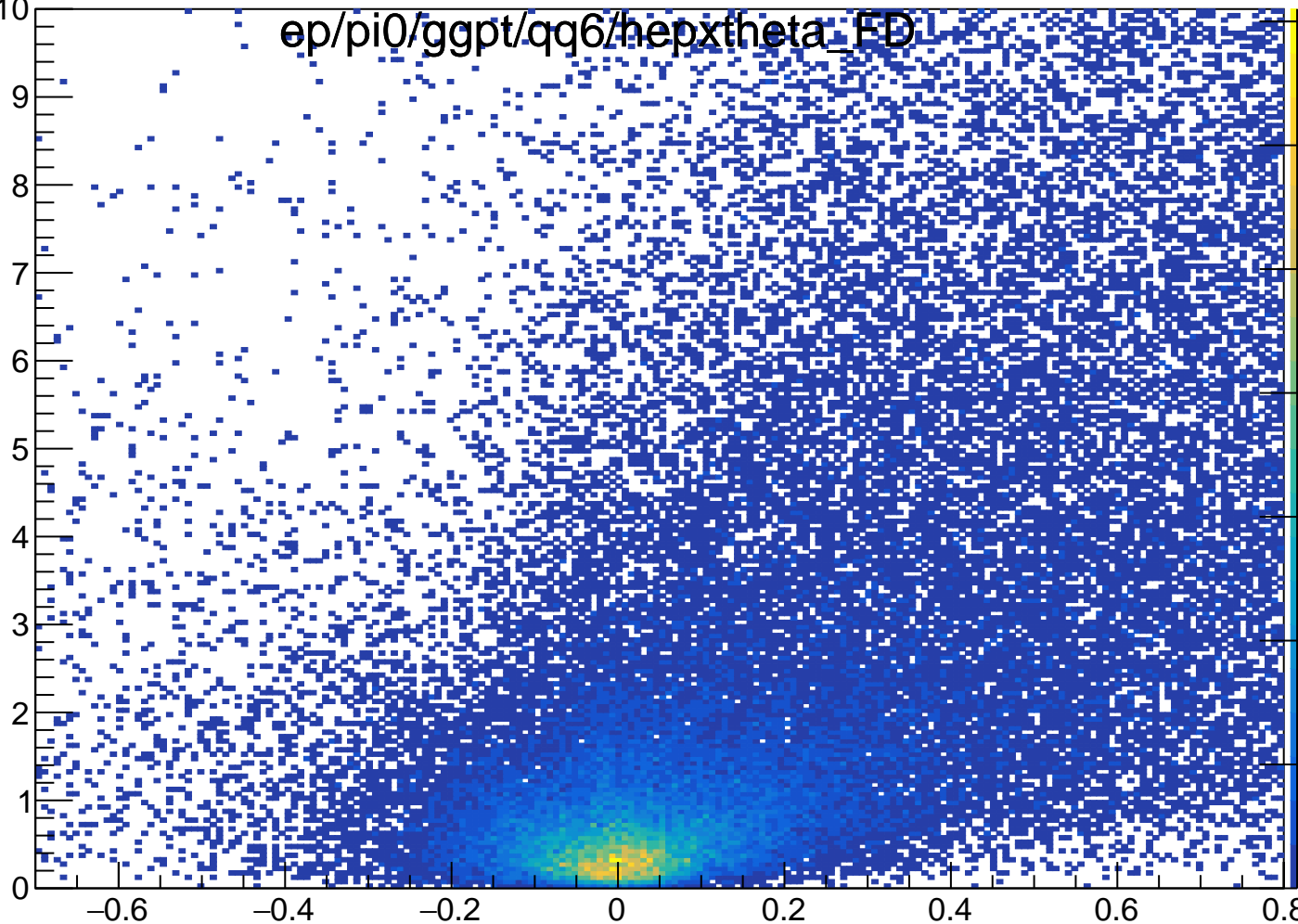


$\theta_{X\pi} < 3.0^\circ$

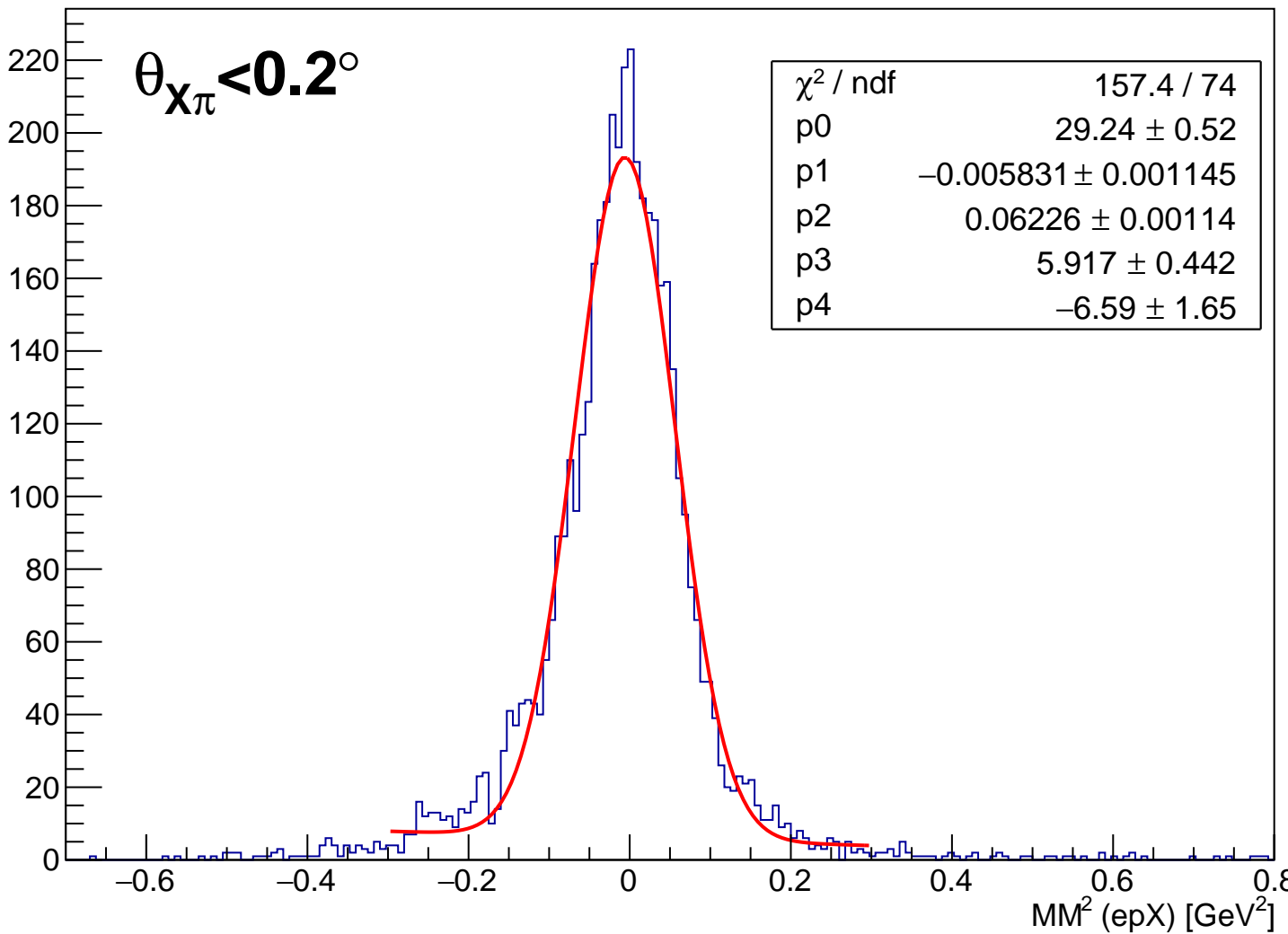




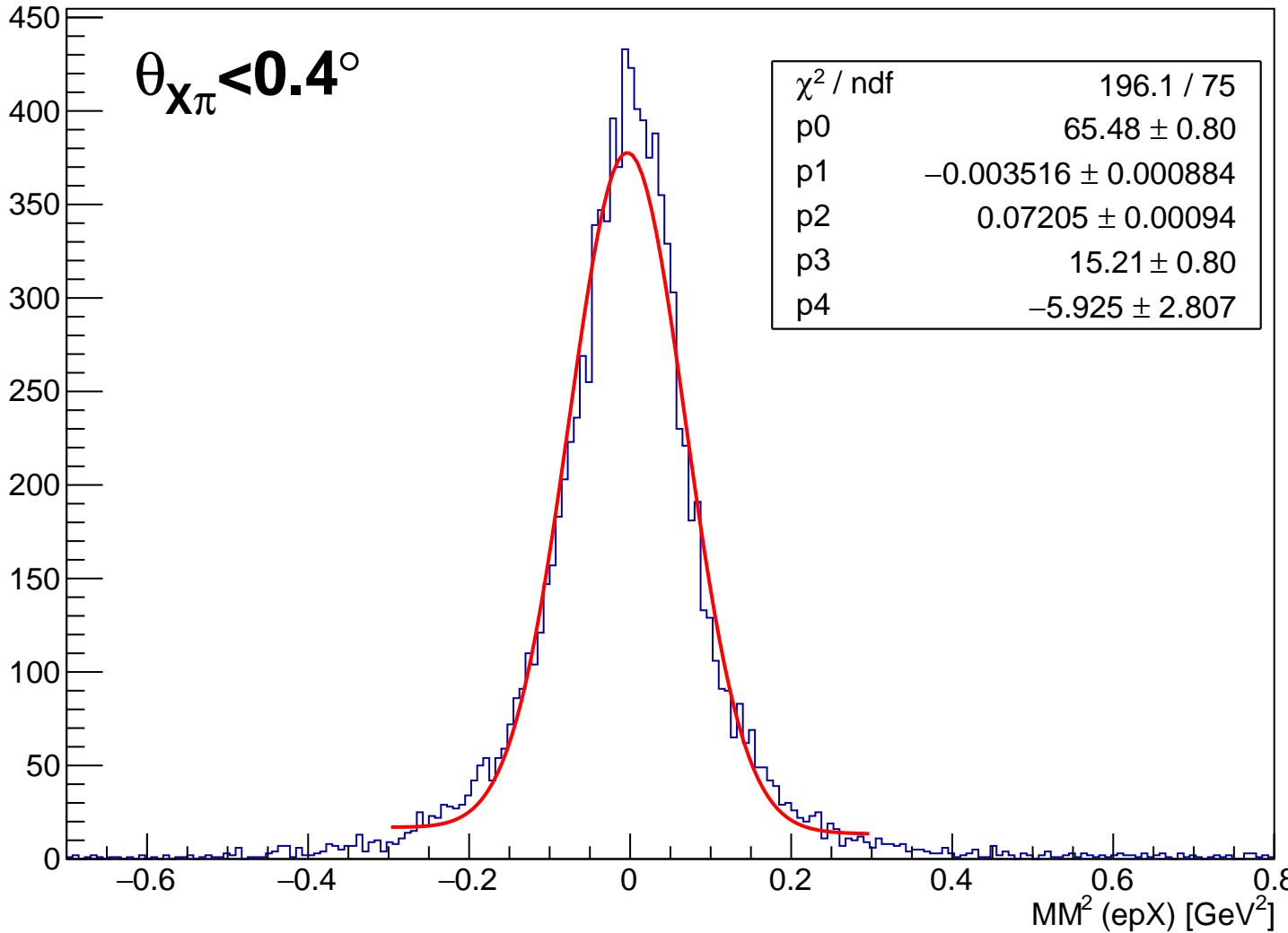
ep/pi0/ggpt/qq6/hepxtheta\_FD



$\theta_{X\pi} < 0.2^\circ$

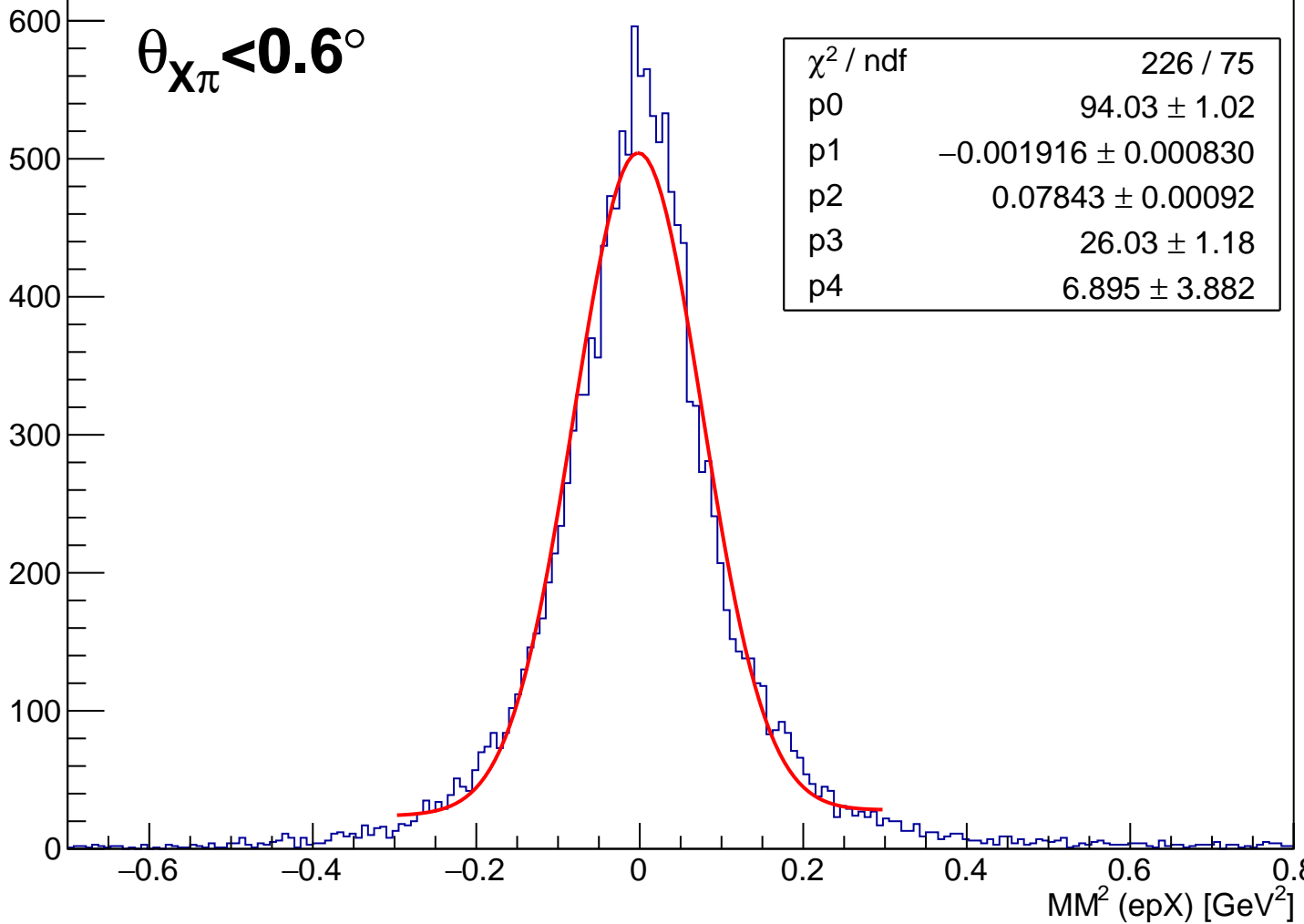


$\theta_{X\pi} < 0.4^\circ$

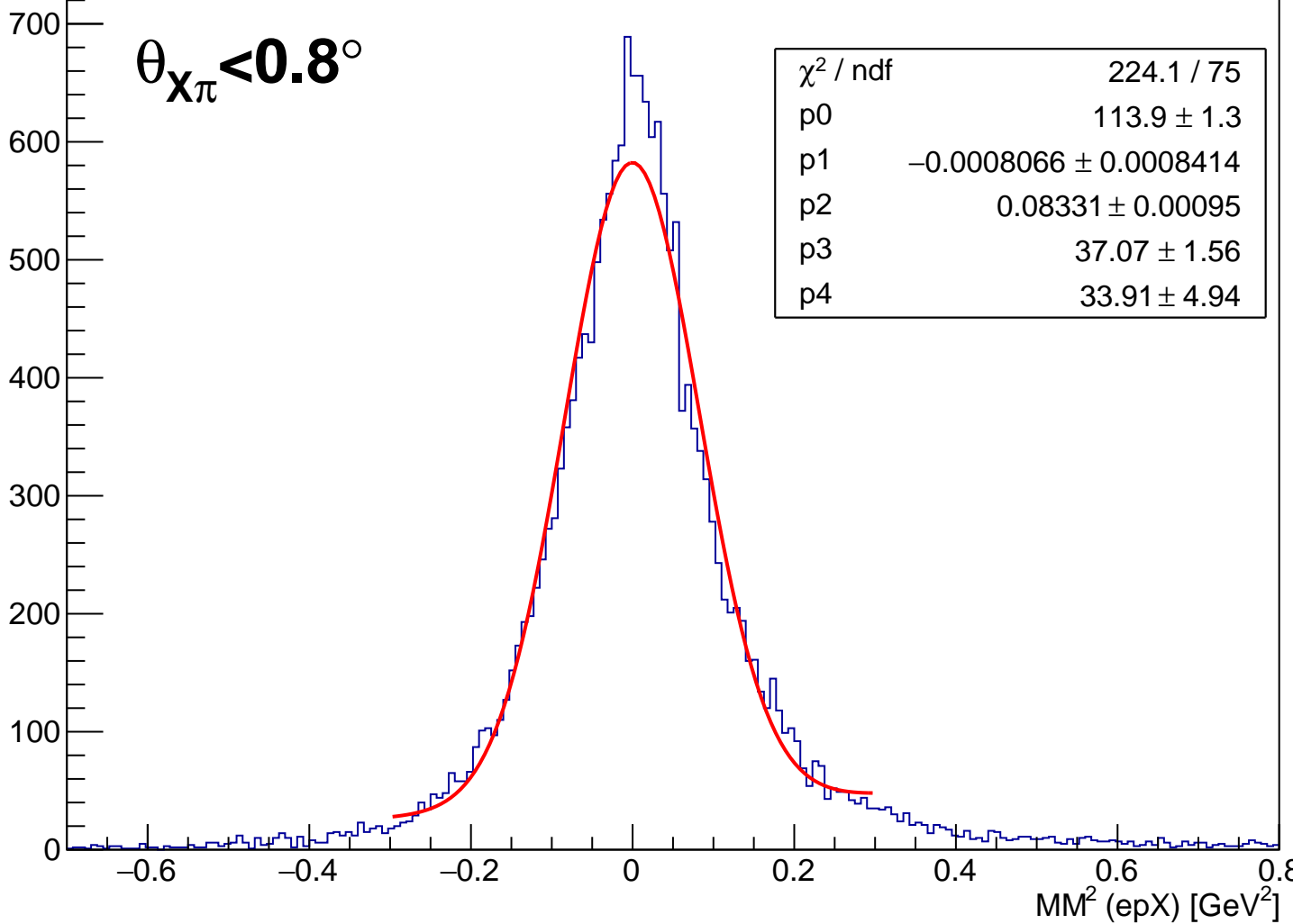




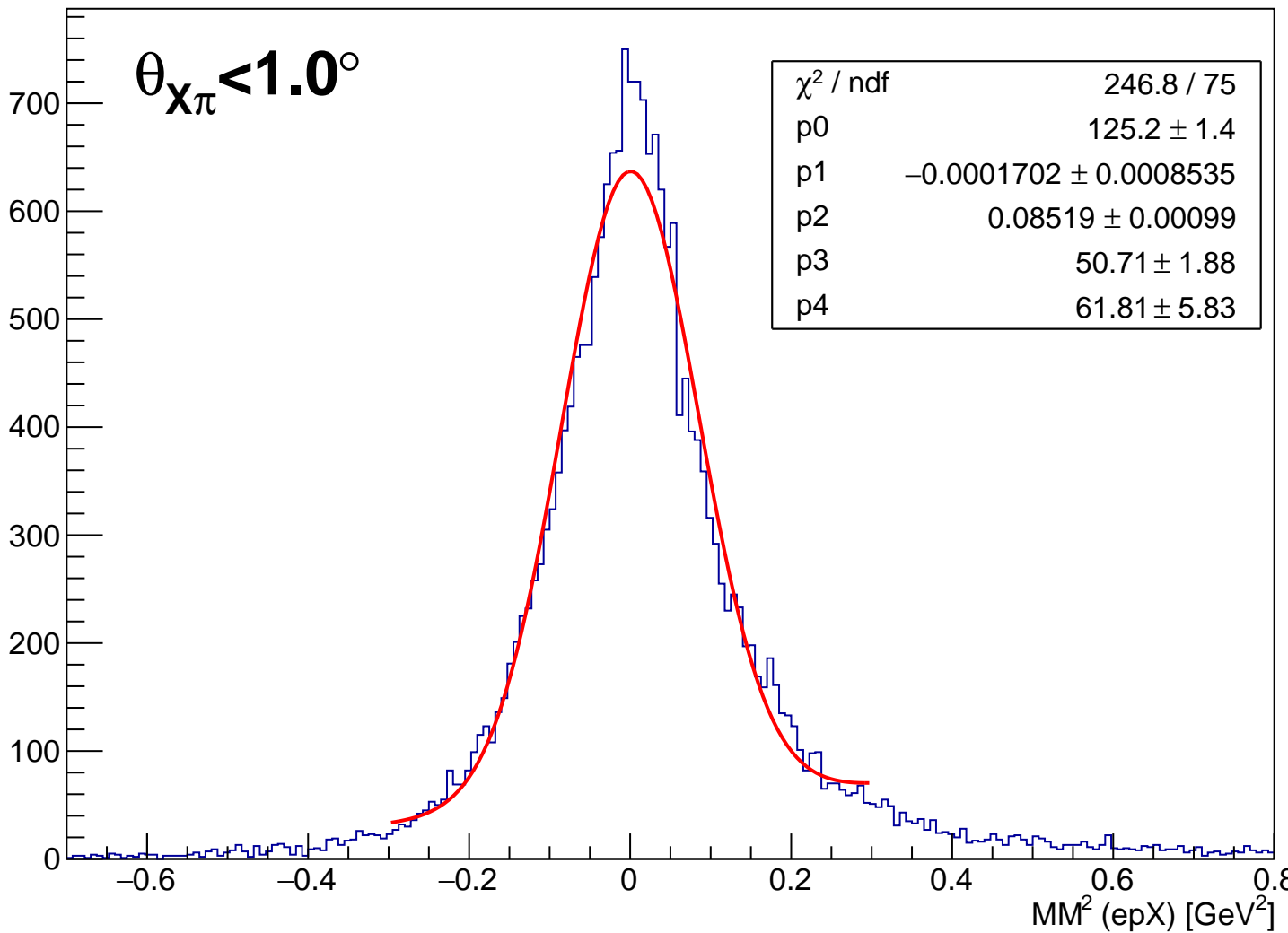
$\theta_{X\pi} < 0.6^\circ$



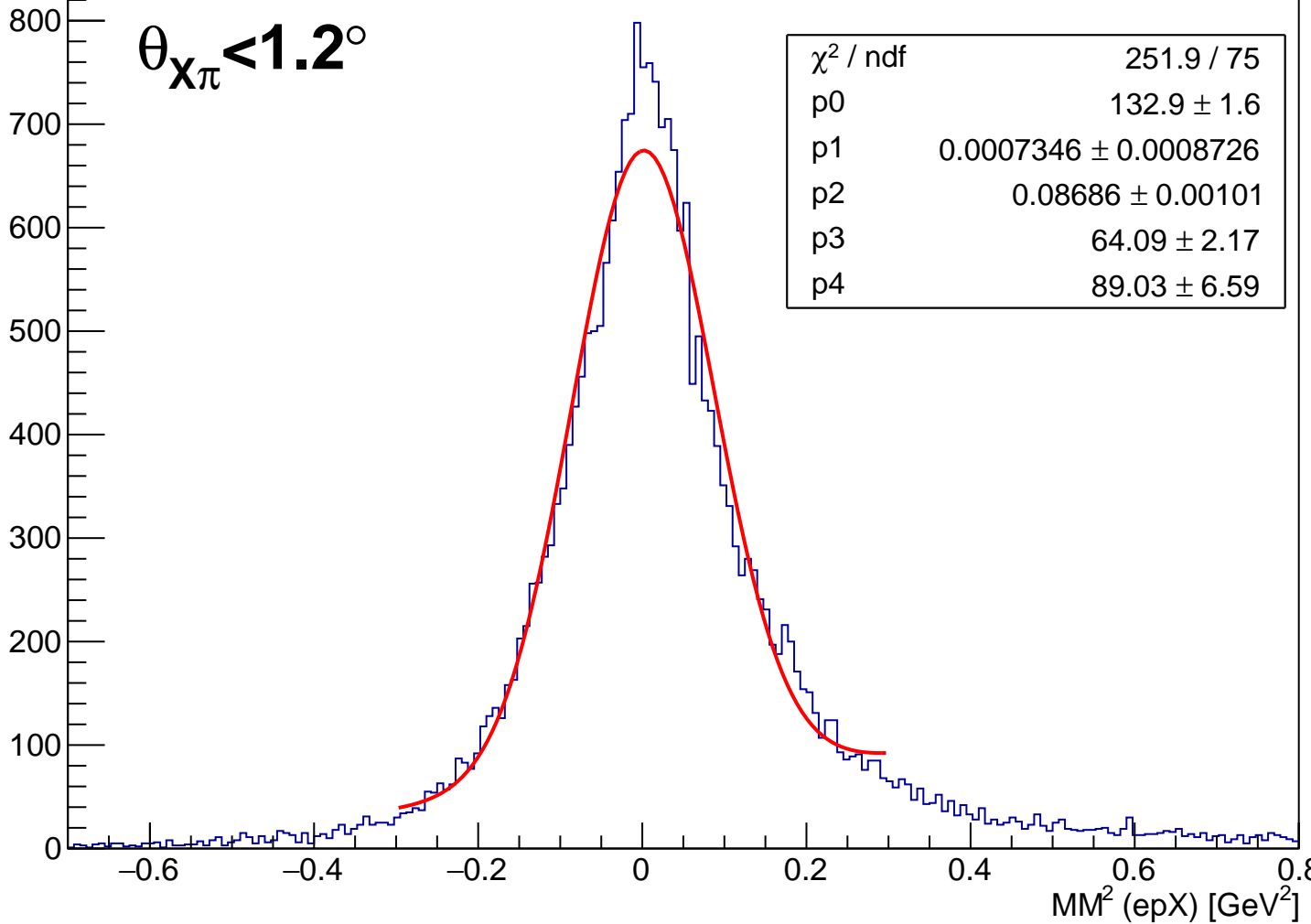
$\theta_{X\pi} < 0.8^\circ$



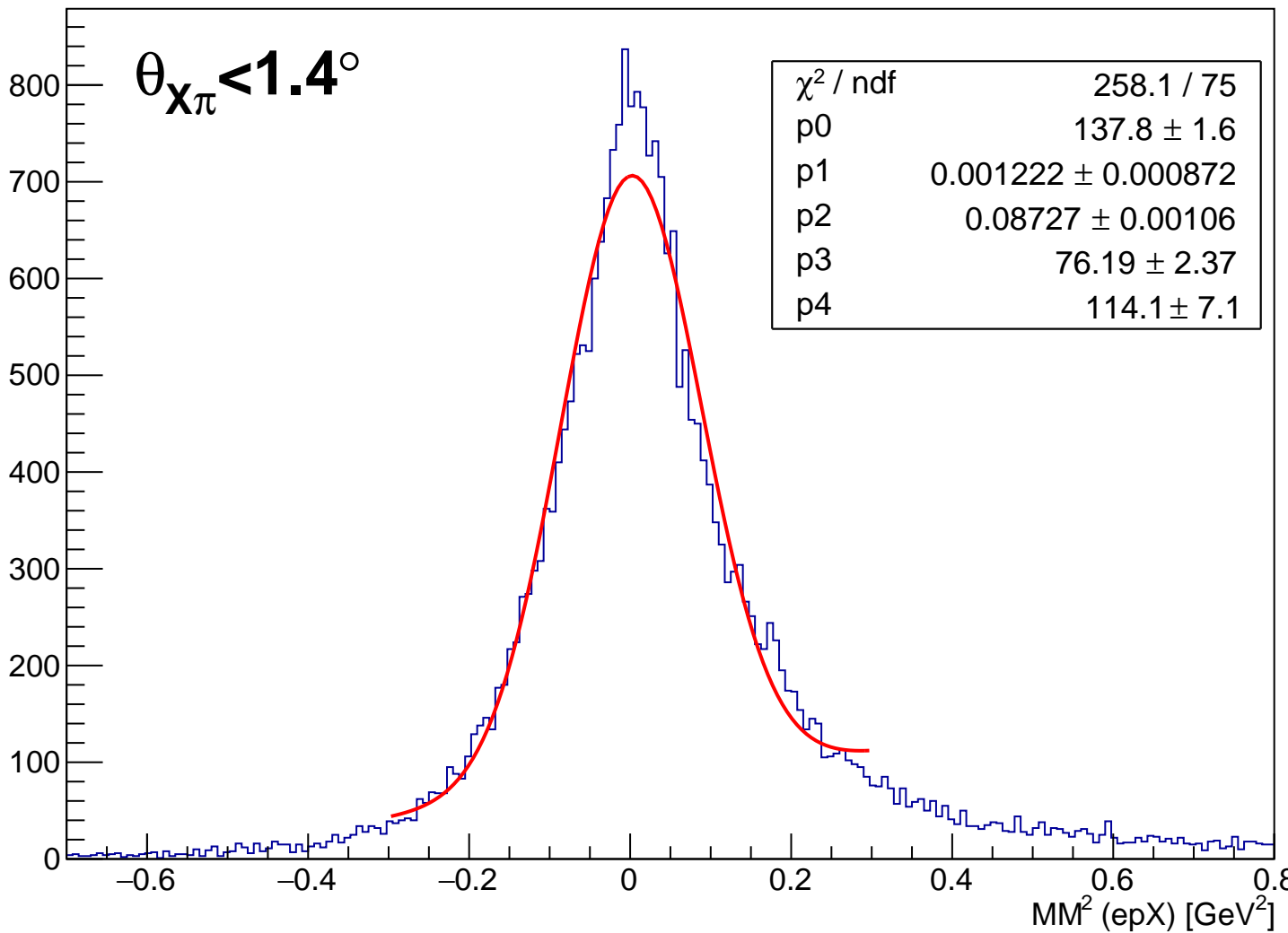
$\theta_{X\pi} < 1.0^\circ$



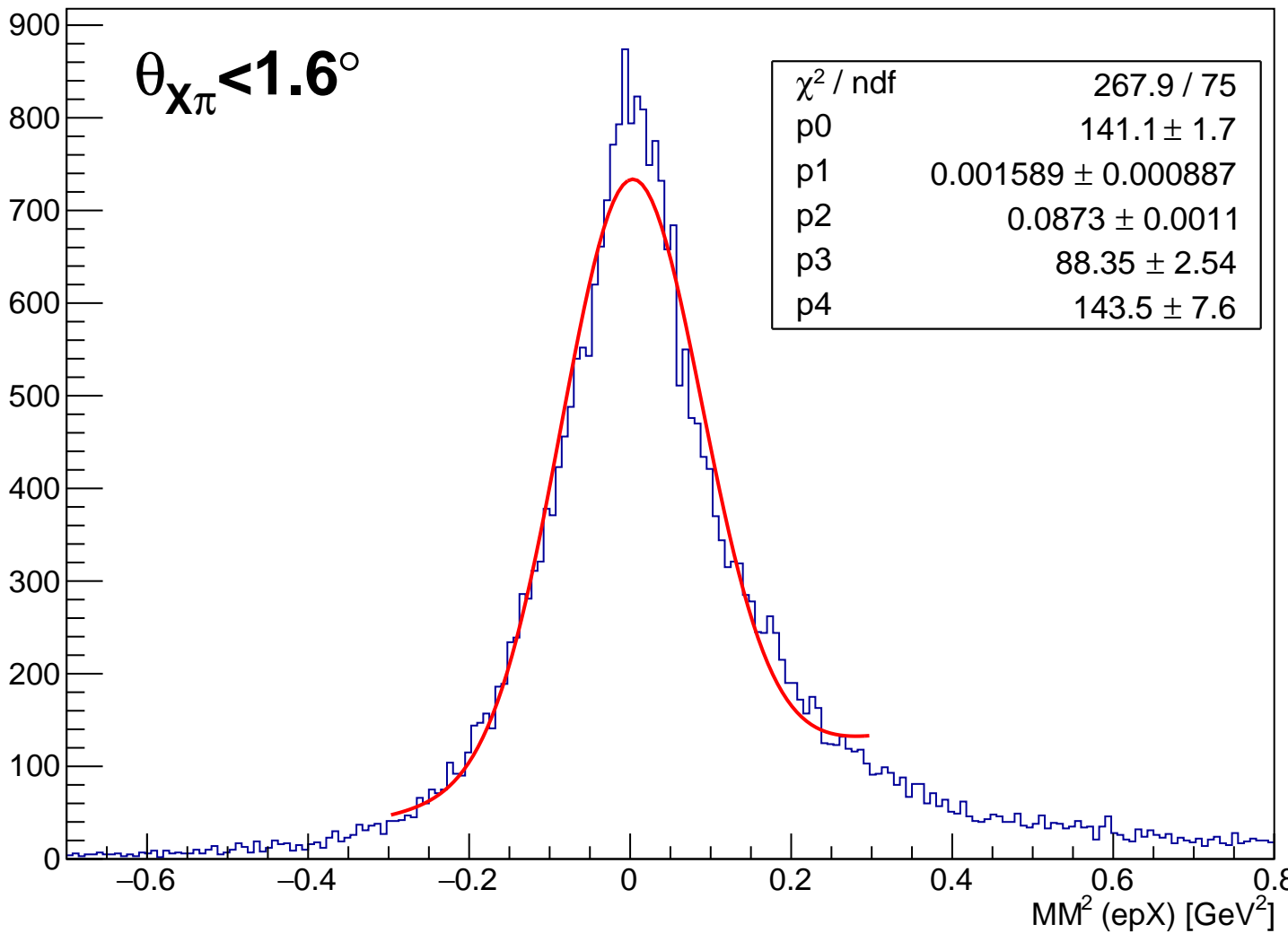
$\theta_{X\pi} < 1.2^\circ$



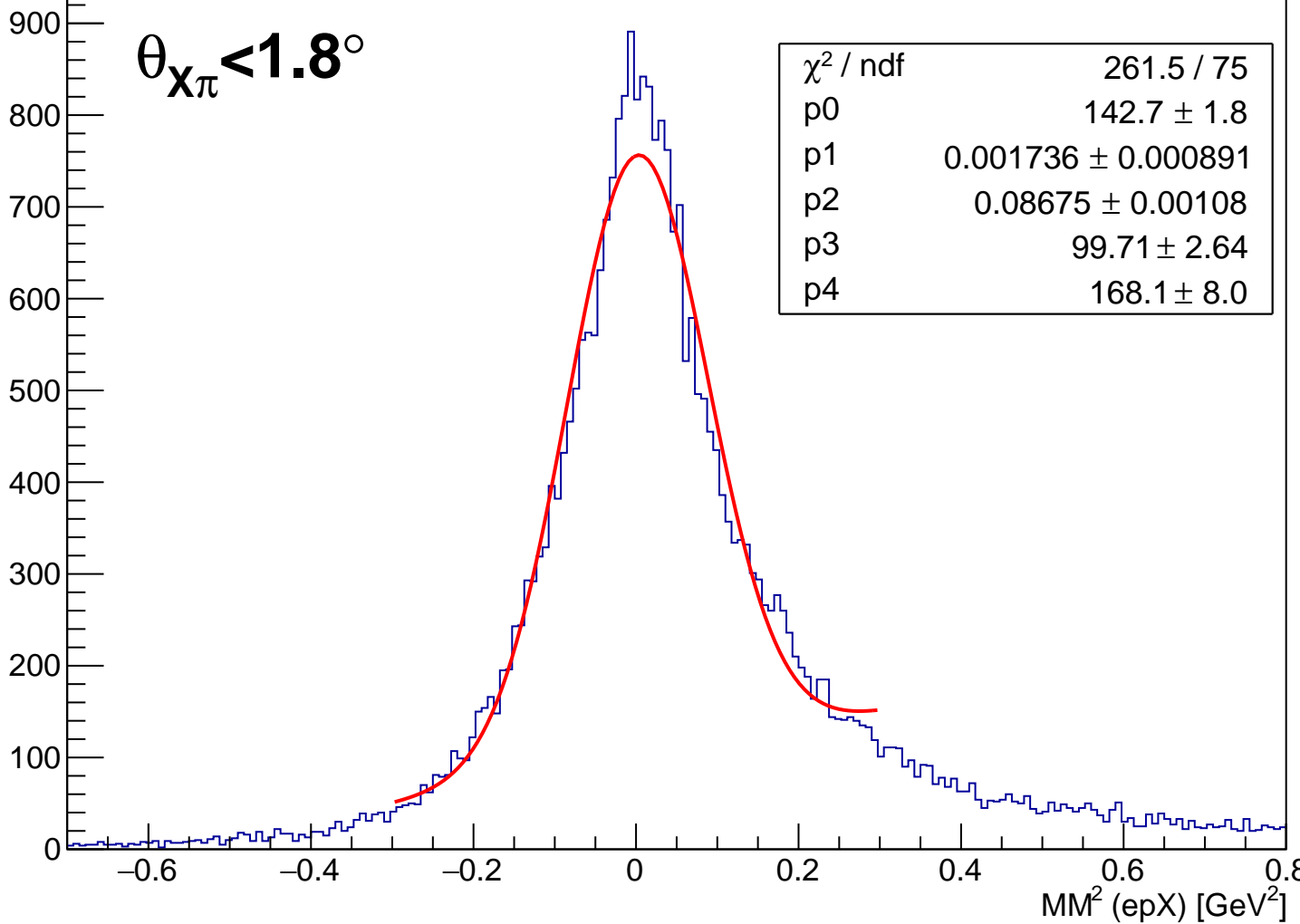
$\theta_{X\pi} < 1.4^\circ$



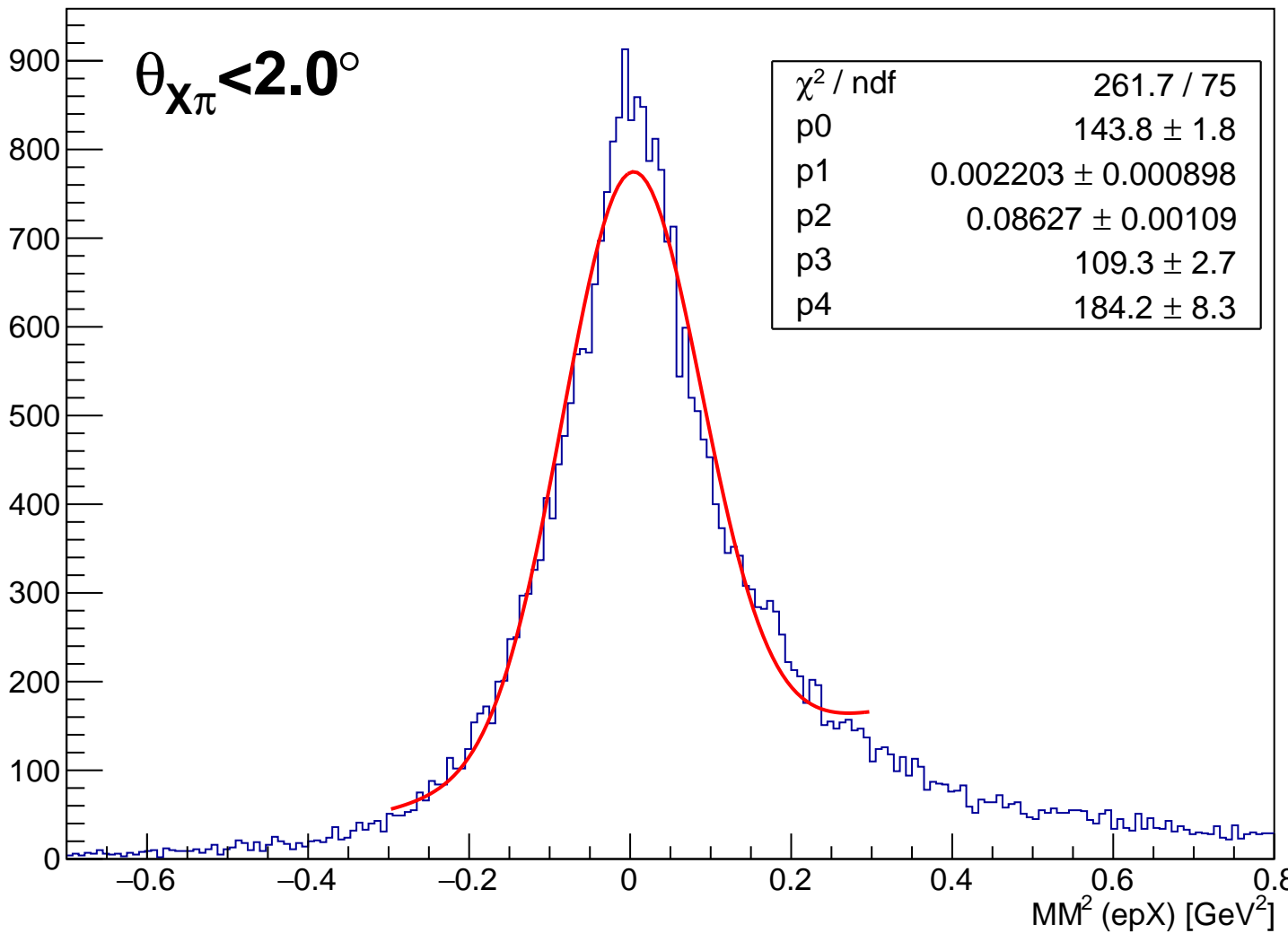
$\theta_{X\pi} < 1.6^\circ$



$\theta_{\chi\pi} < 1.8^\circ$



$\theta_{X\pi} < 2.0^\circ$





$\theta_{X\pi} < 2.2^\circ$

900  
800  
700  
600  
500  
400  
300  
200  
100  
0

-0.6

-0.4

-0.2

0

0.2

0.4

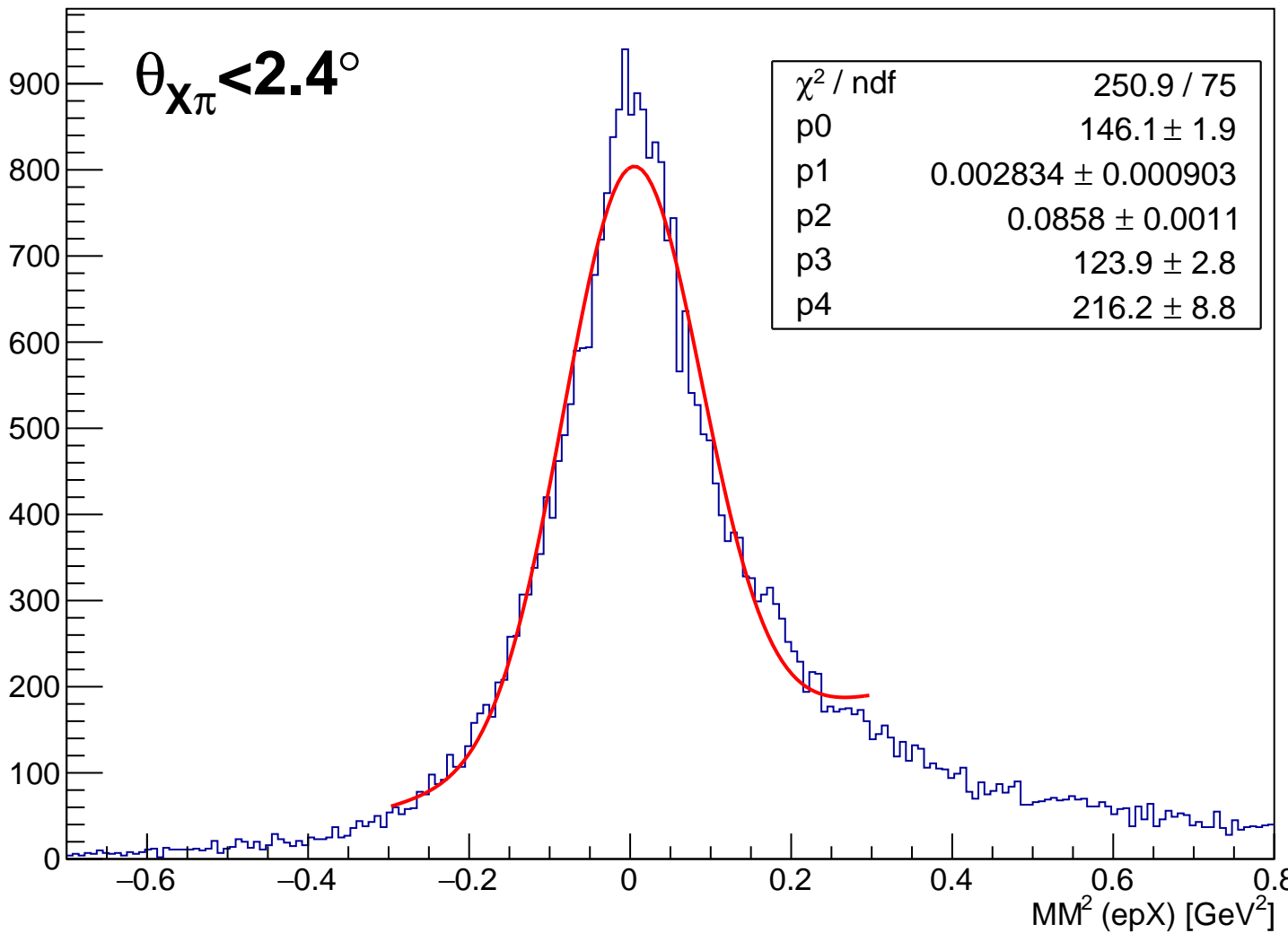
0.6

0.8

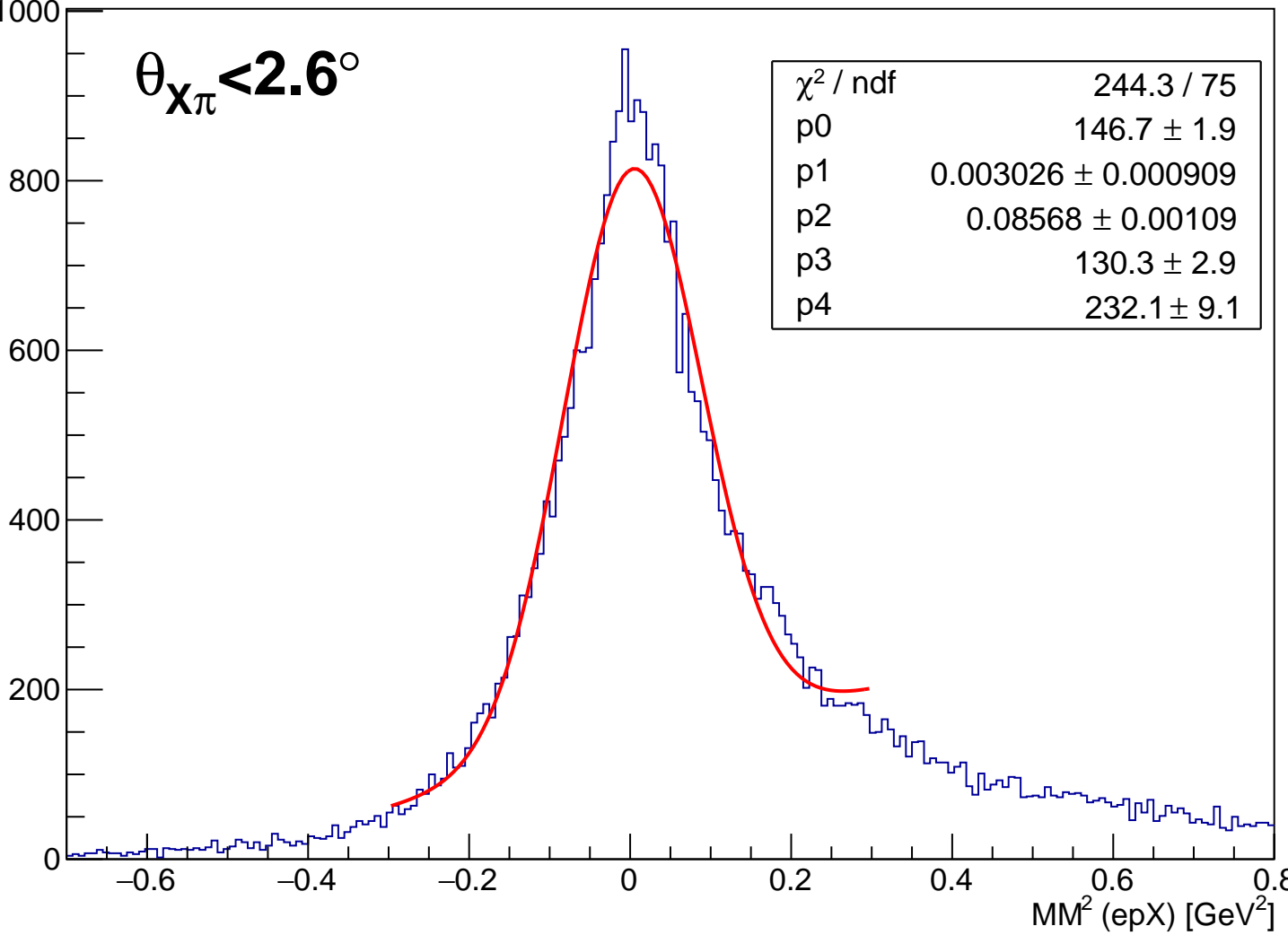
$MM^2$  (epX) [ $\text{GeV}^2$ ]

$\chi^2 / \text{ndf}$	257.9 / 75
p0	$145.3 \pm 1.9$
p1	$0.002616 \pm 0.000898$
p2	$0.08608 \pm 0.00109$
p3	$116.8 \pm 2.8$
p4	$200.8 \pm 8.6$

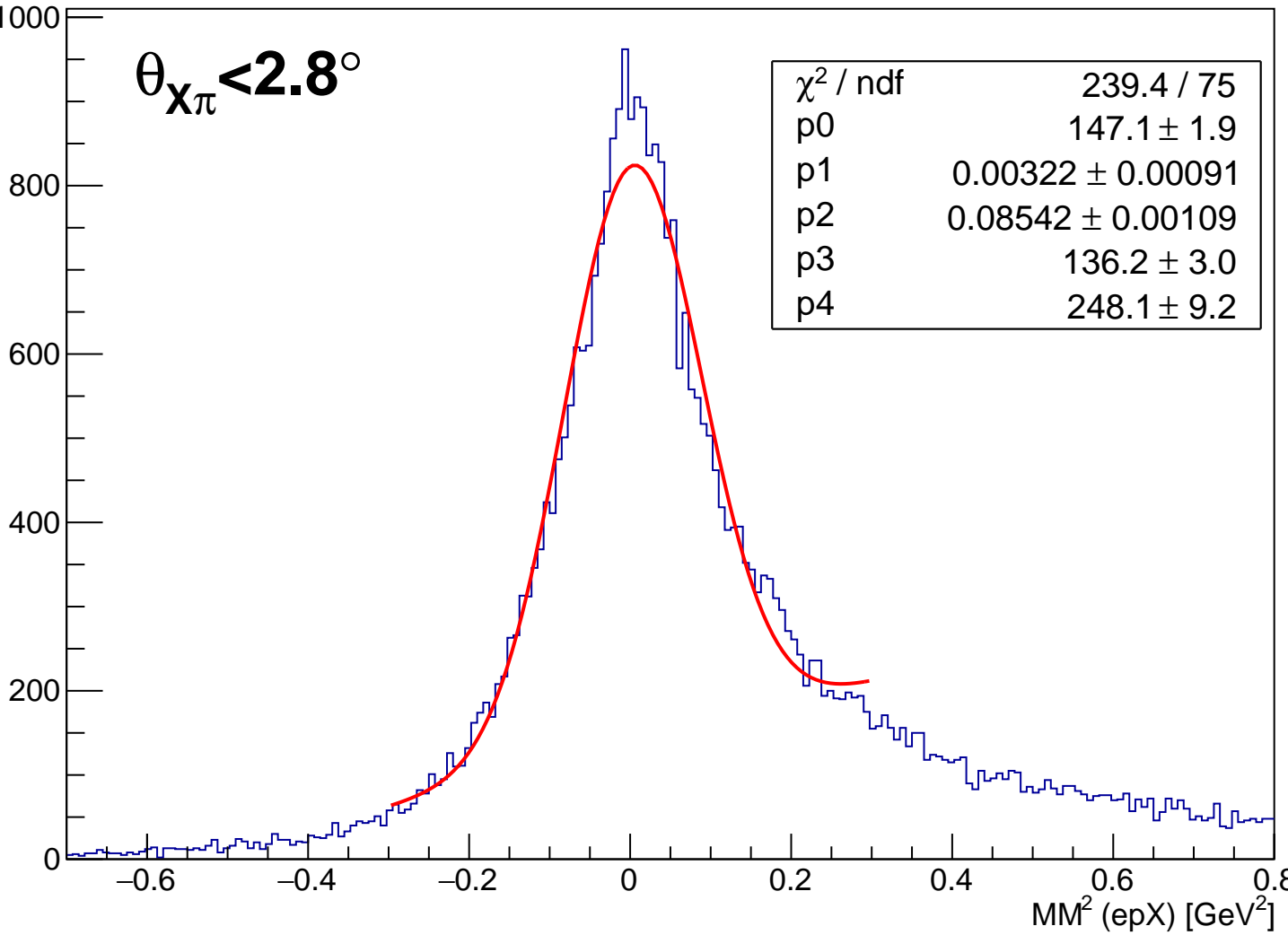
$\theta_{X\pi} < 2.4^\circ$



$\theta_{X\pi} < 2.6^\circ$

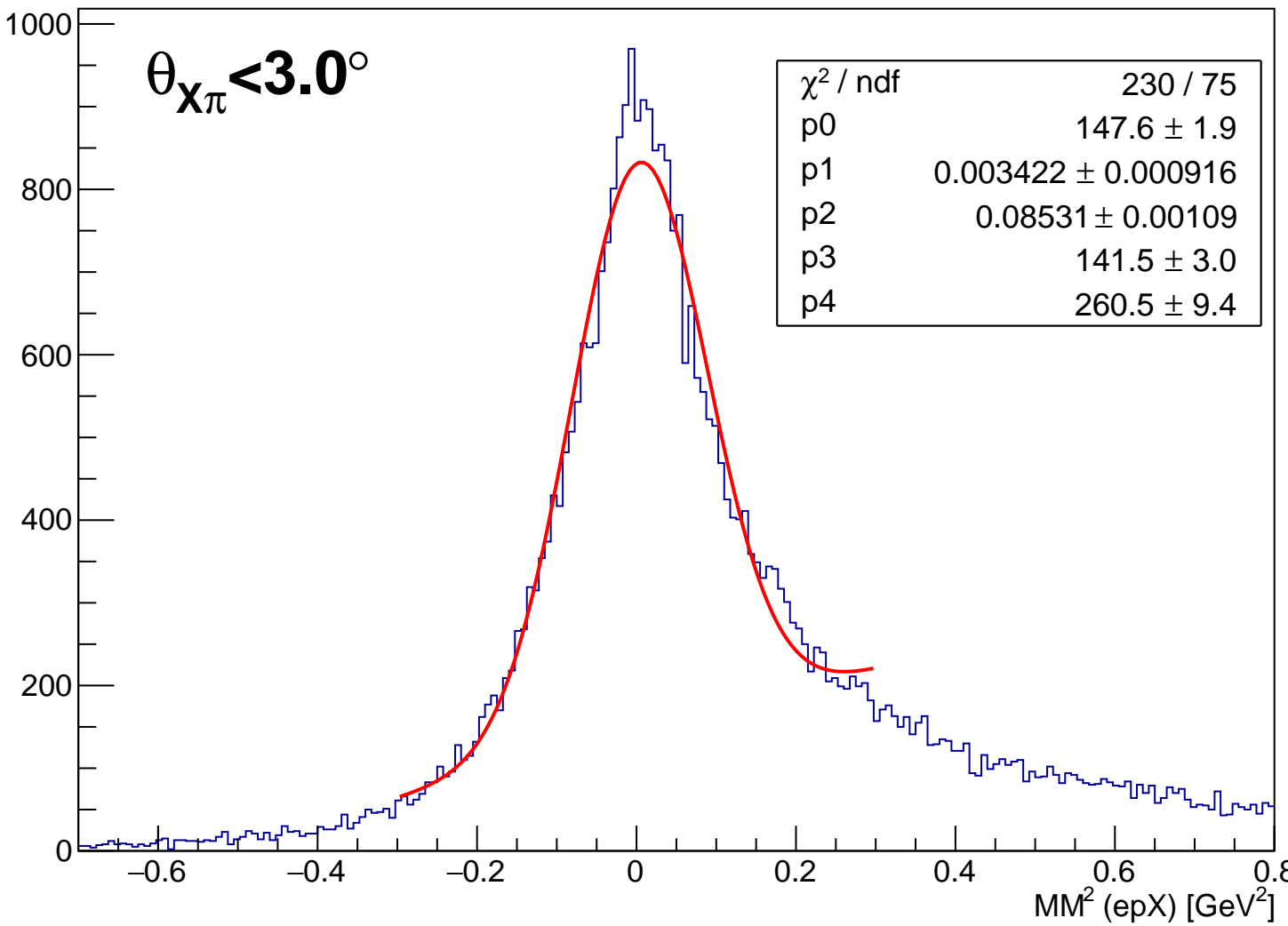


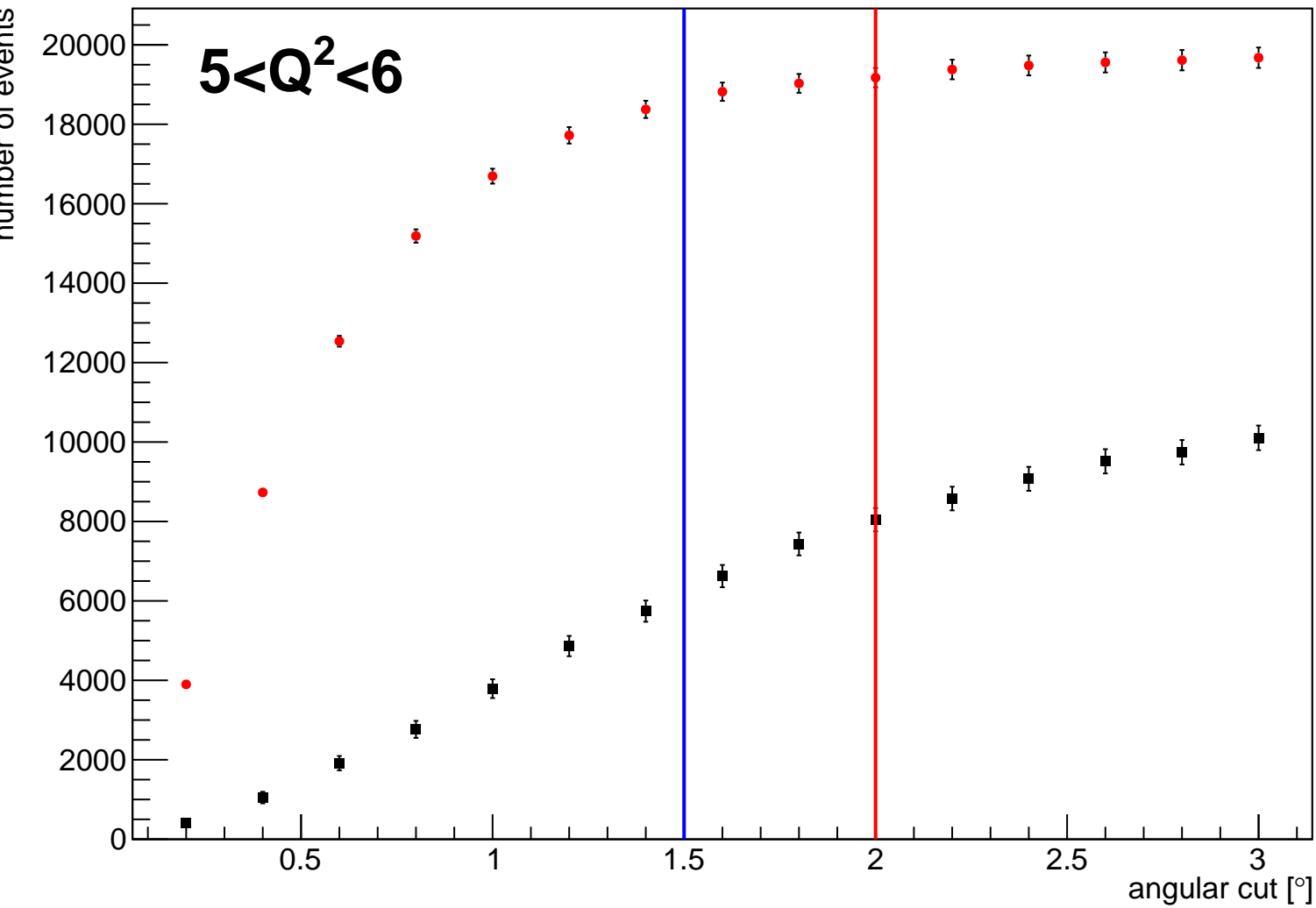
$\theta_{X\pi} < 2.8^\circ$



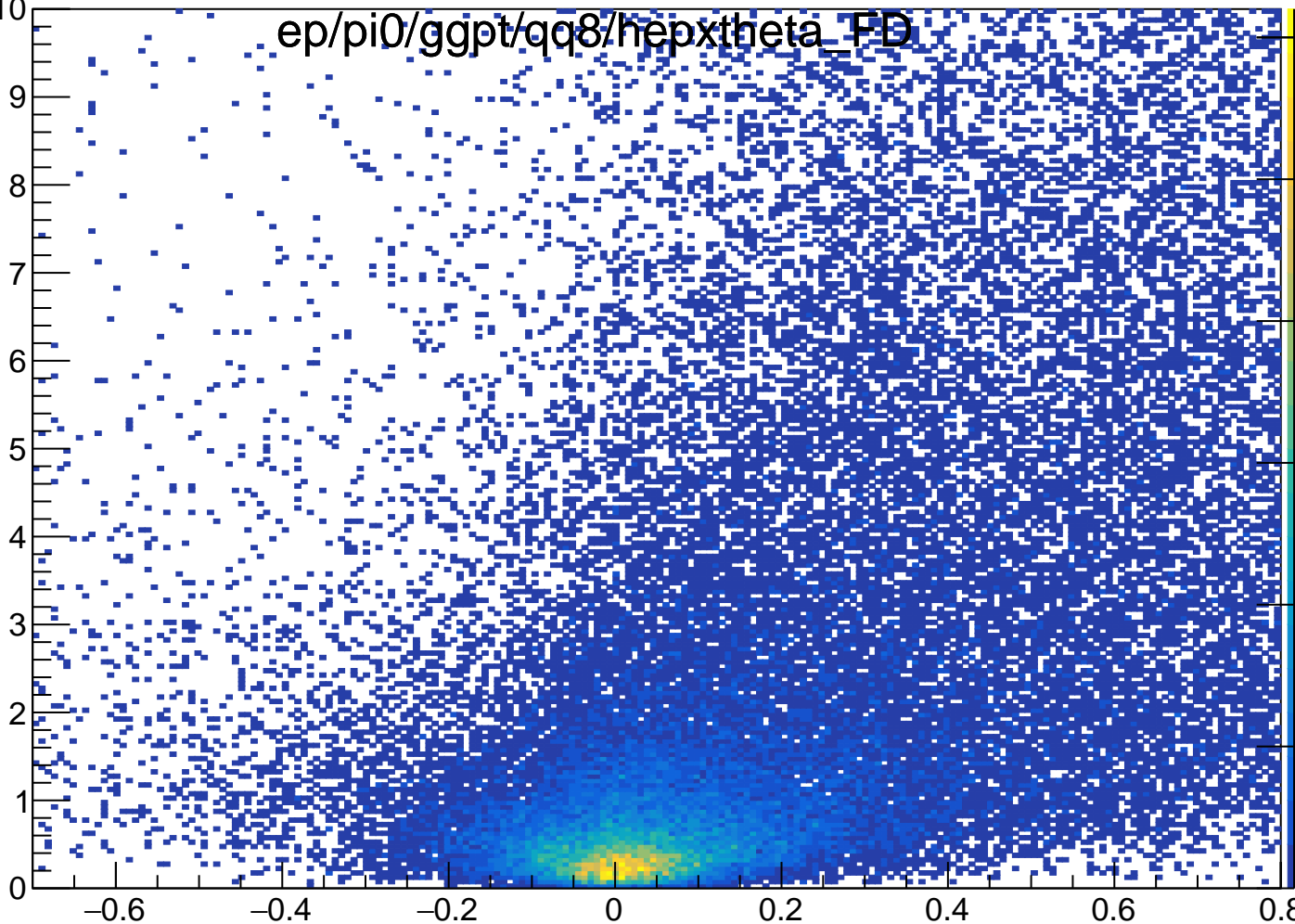
$\theta_{X\pi} < 3.0^\circ$

$\chi^2 / \text{ndf}$	230 / 75
p0	$147.6 \pm 1.9$
p1	$0.003422 \pm 0.000916$
p2	$0.08531 \pm 0.00109$
p3	$141.5 \pm 3.0$
p4	$260.5 \pm 9.4$



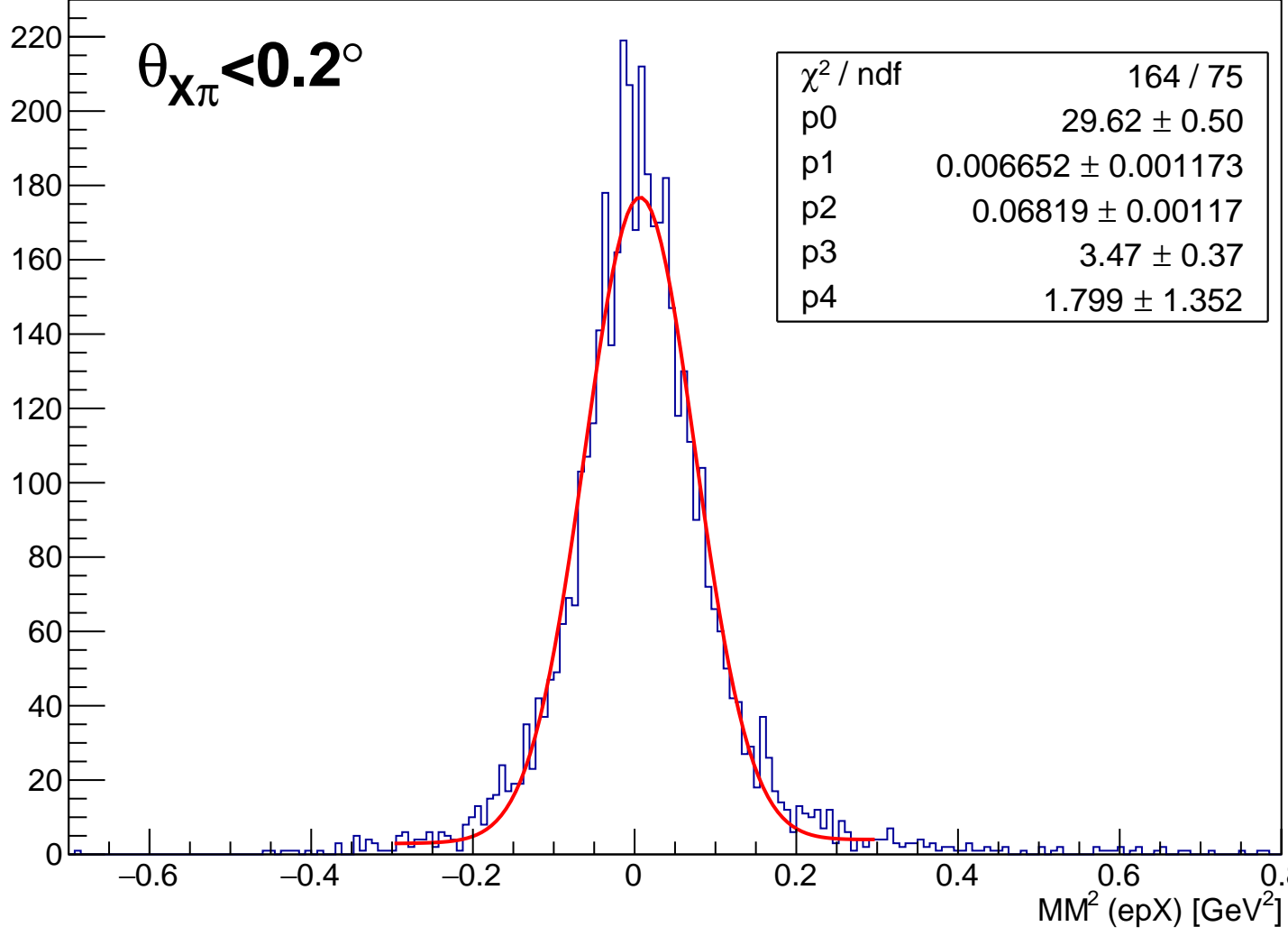


ep/pi0/ggpt/qq8/hepxtheta\_FD



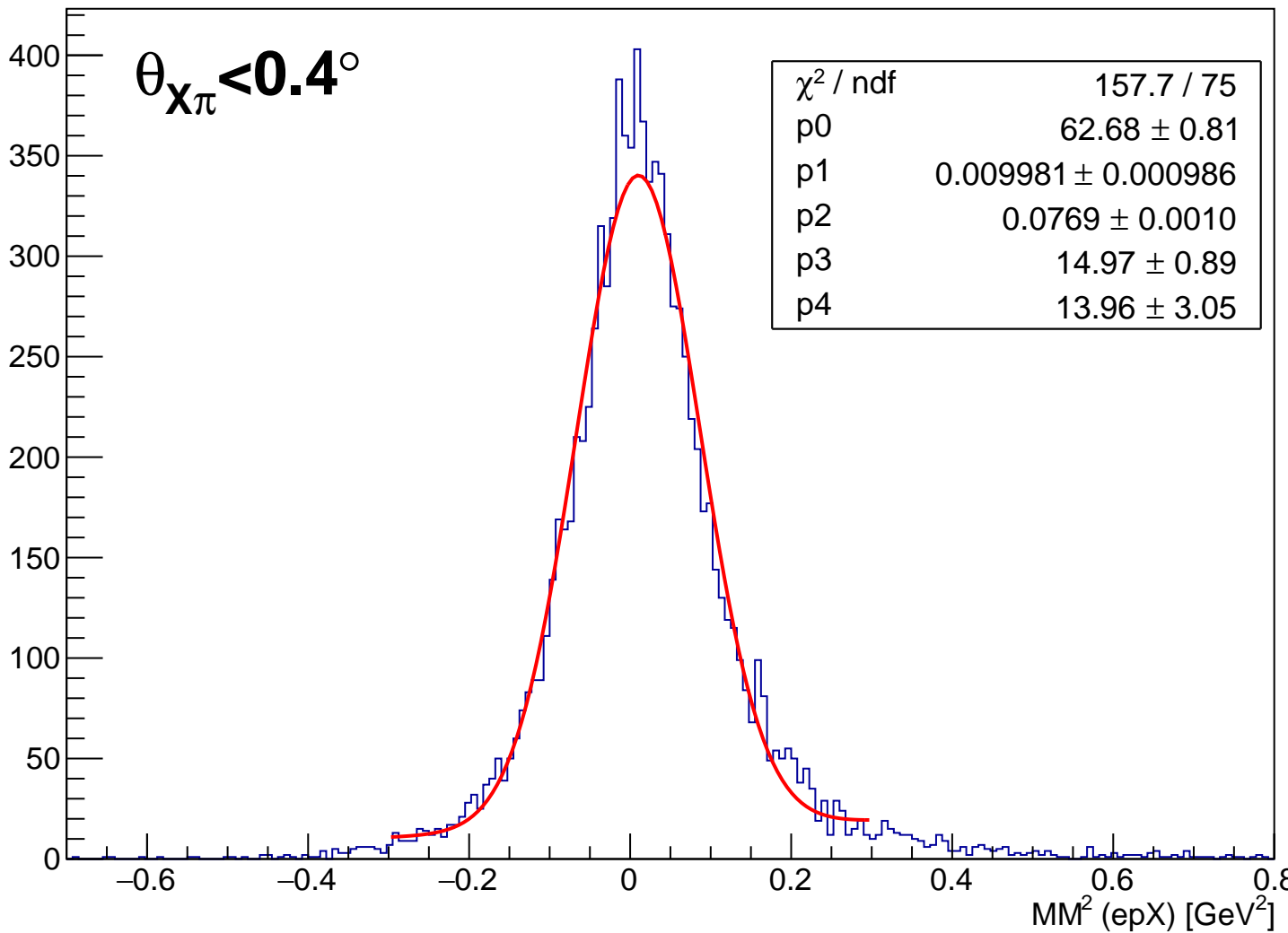
$\theta_{X\pi} < 0.2^\circ$

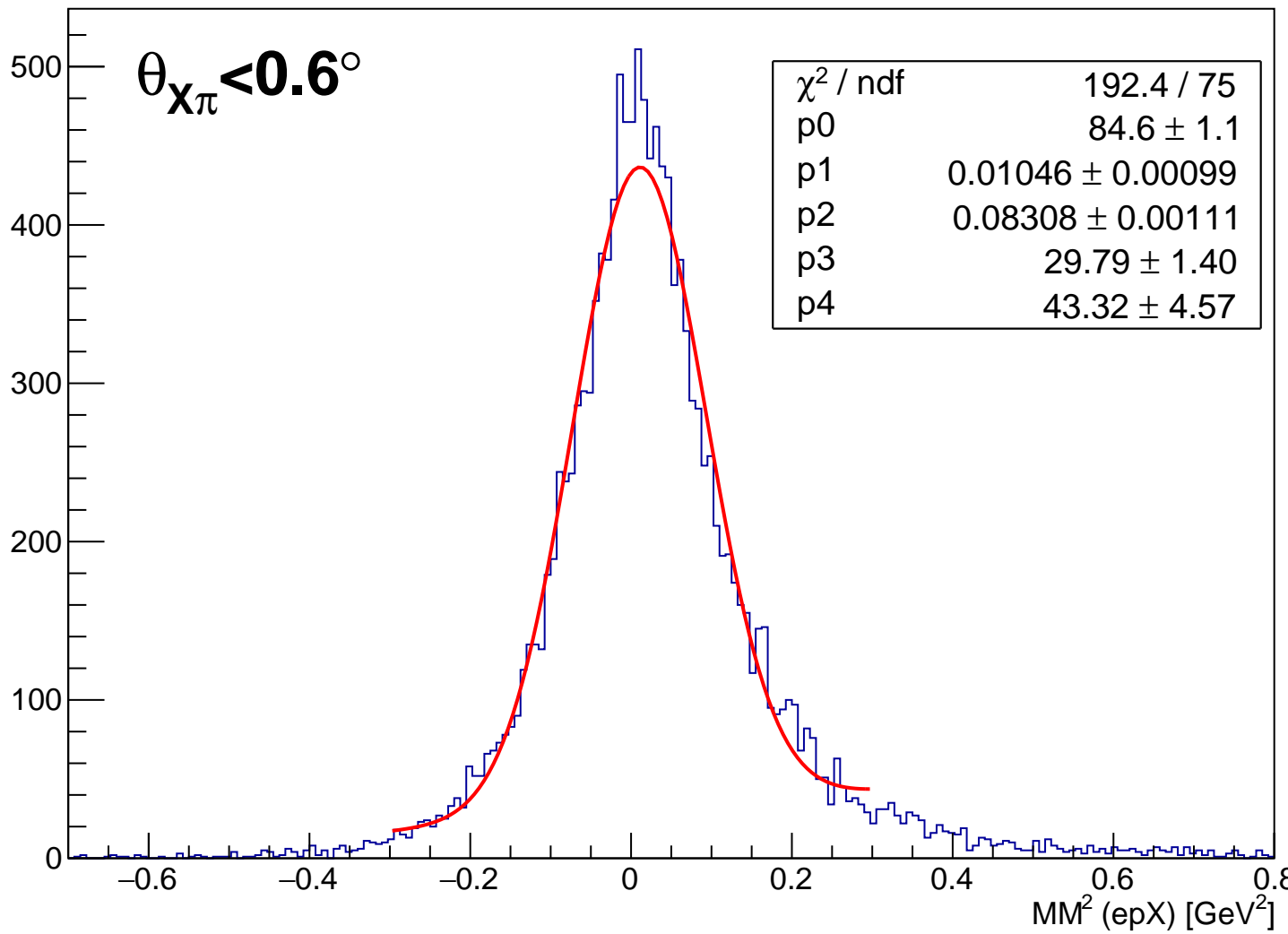
$\chi^2 / \text{ndf}$	164 / 75
p0	$29.62 \pm 0.50$
p1	$0.006652 \pm 0.001173$
p2	$0.06819 \pm 0.00117$
p3	$3.47 \pm 0.37$
p4	$1.799 \pm 1.352$



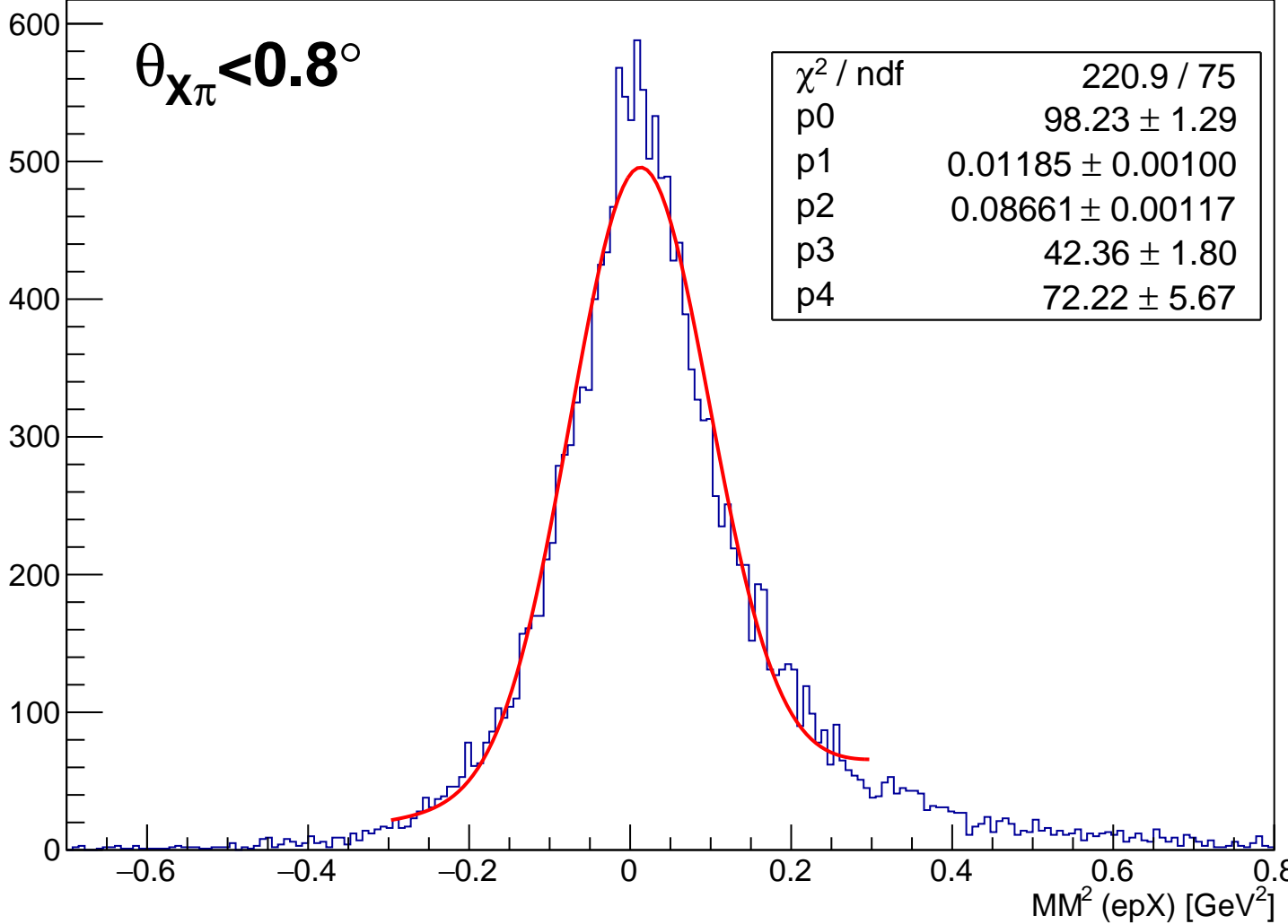


$\theta_{X\pi} < 0.4^\circ$

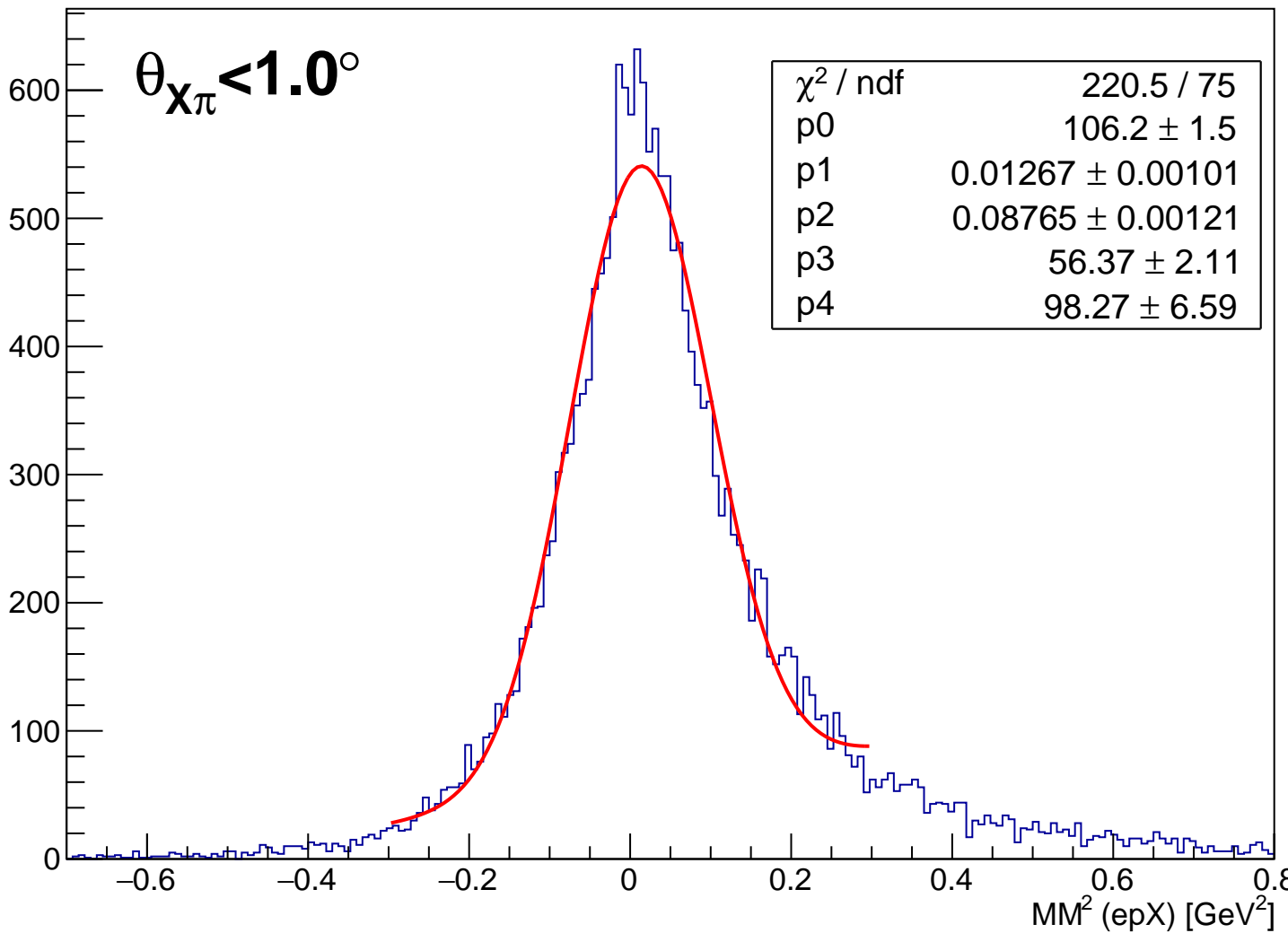




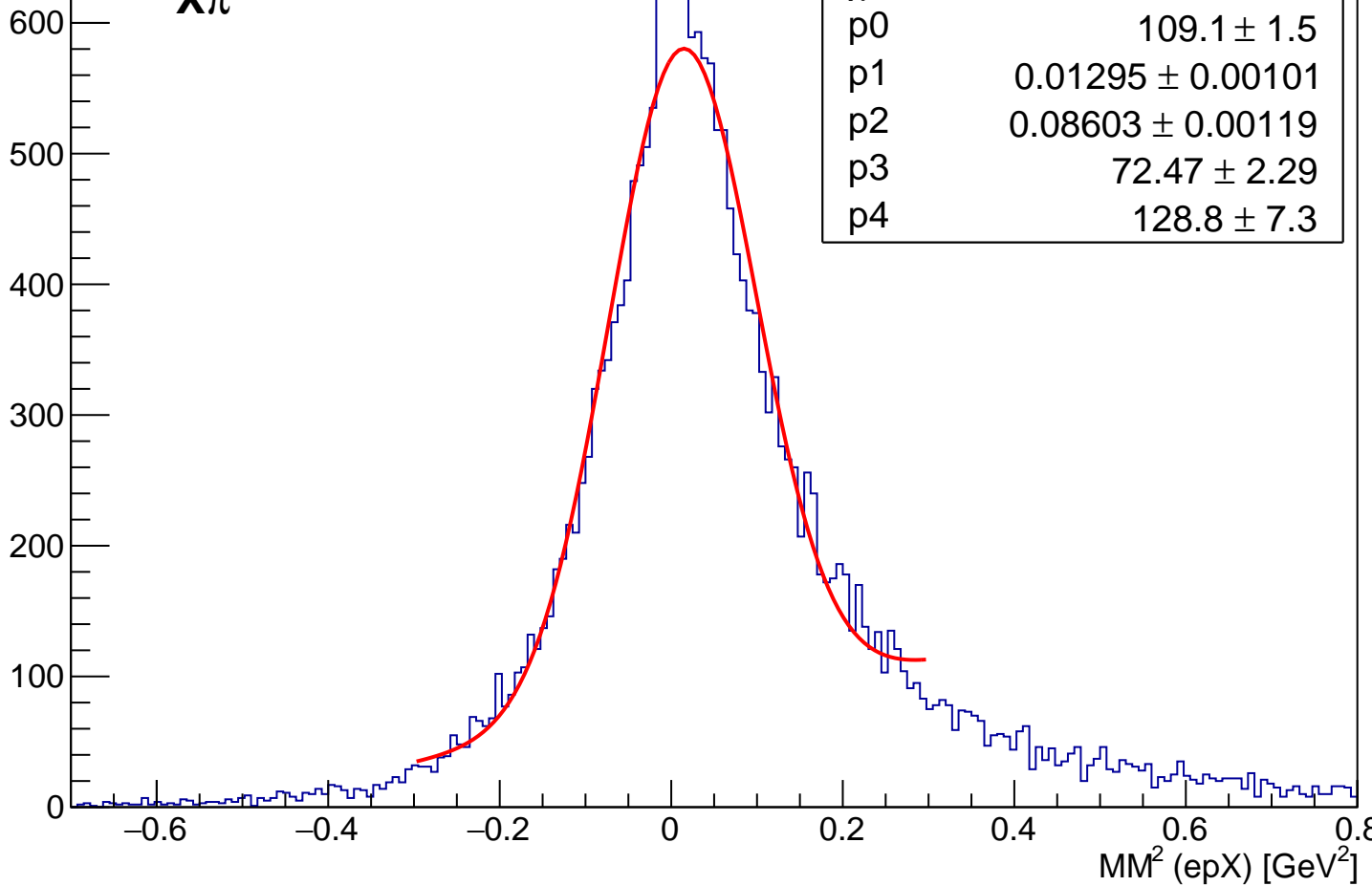
$\theta_{X\pi} < 0.8^\circ$



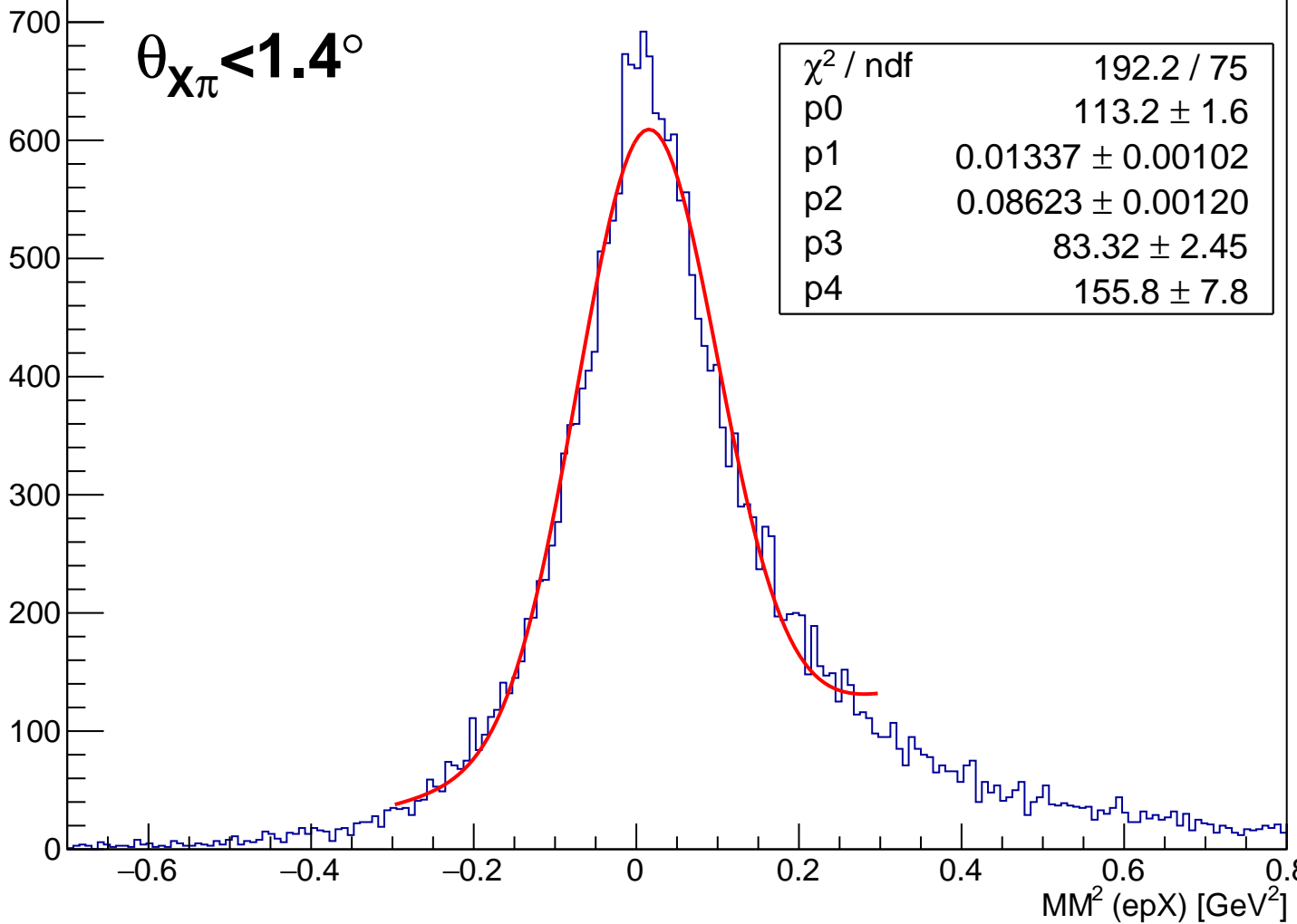
$\theta_{X\pi} < 1.0^\circ$



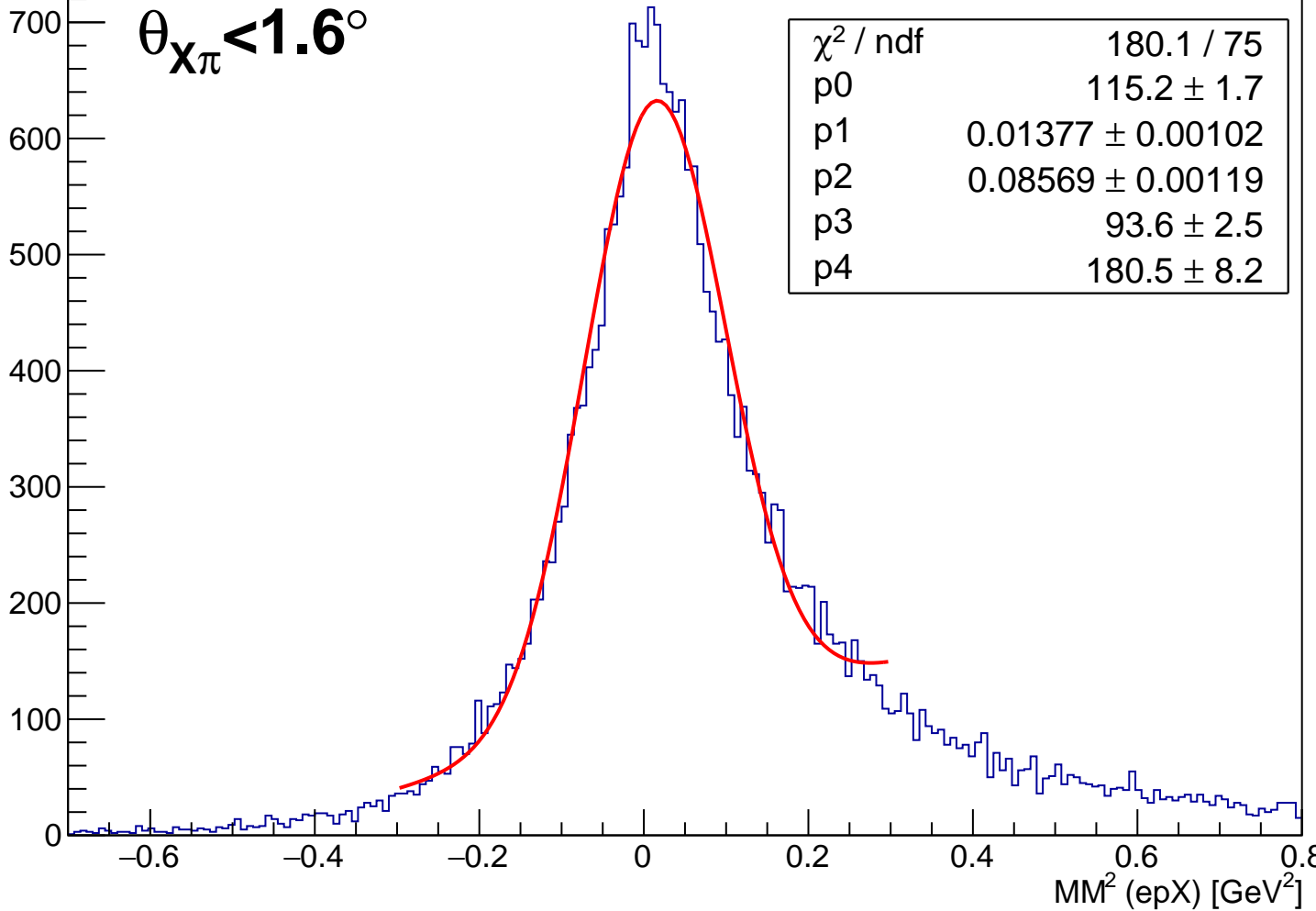
$\theta_{X\pi} < 1.2^\circ$



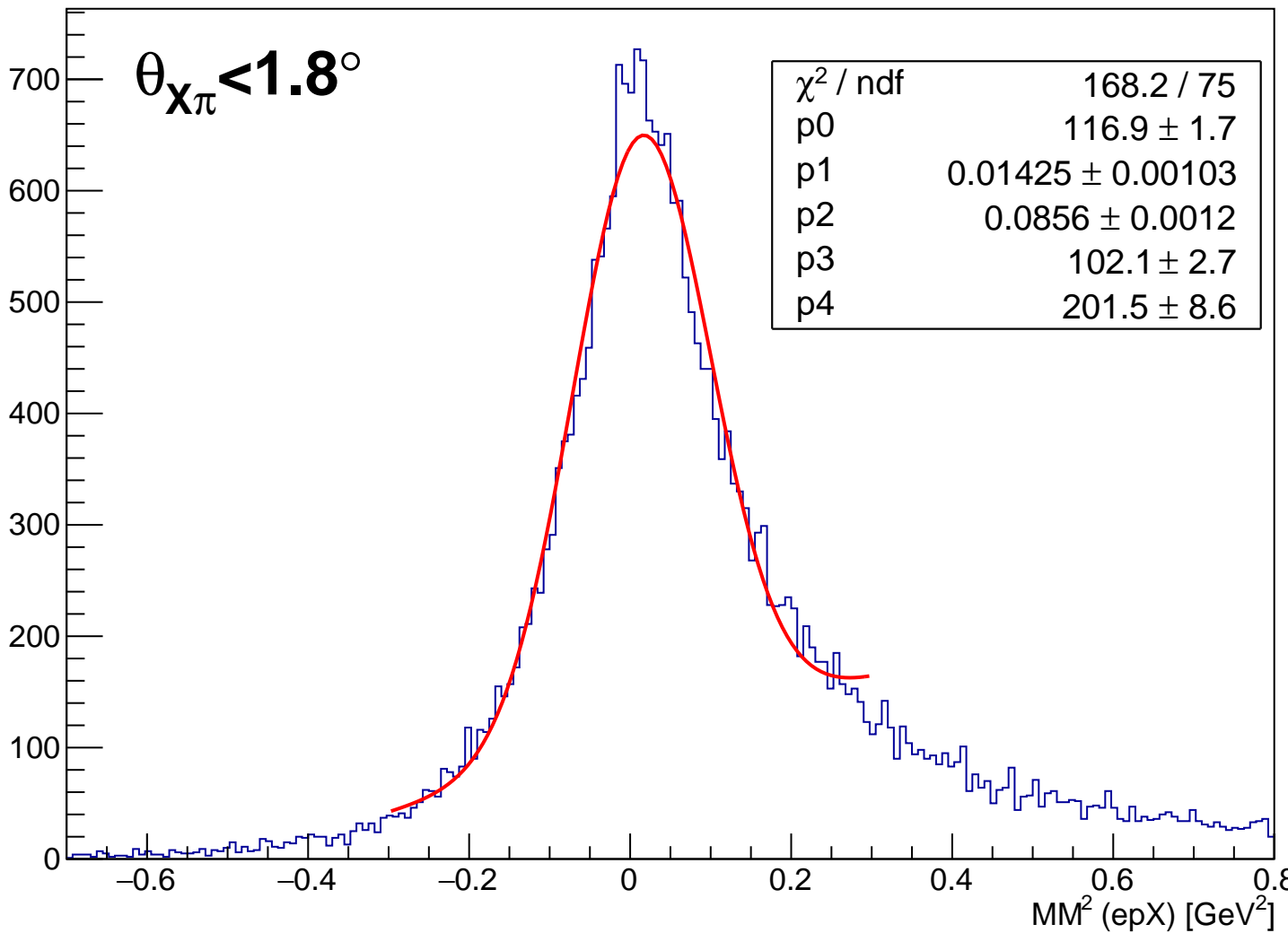
$\theta_{X\pi} < 1.4^\circ$



$\theta_{\chi\pi} < 1.6^\circ$

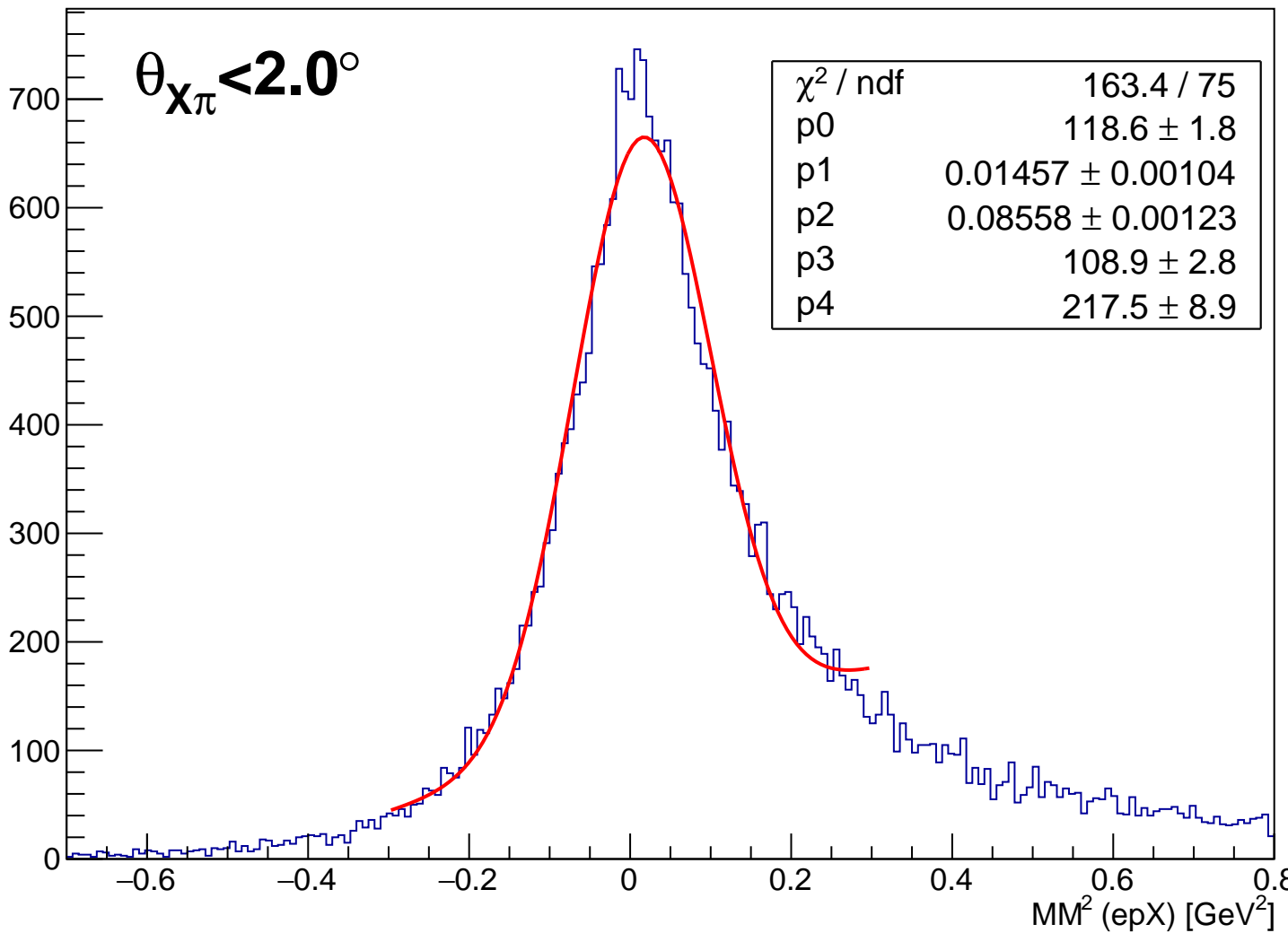


$\theta_{\chi\pi} < 1.8^\circ$

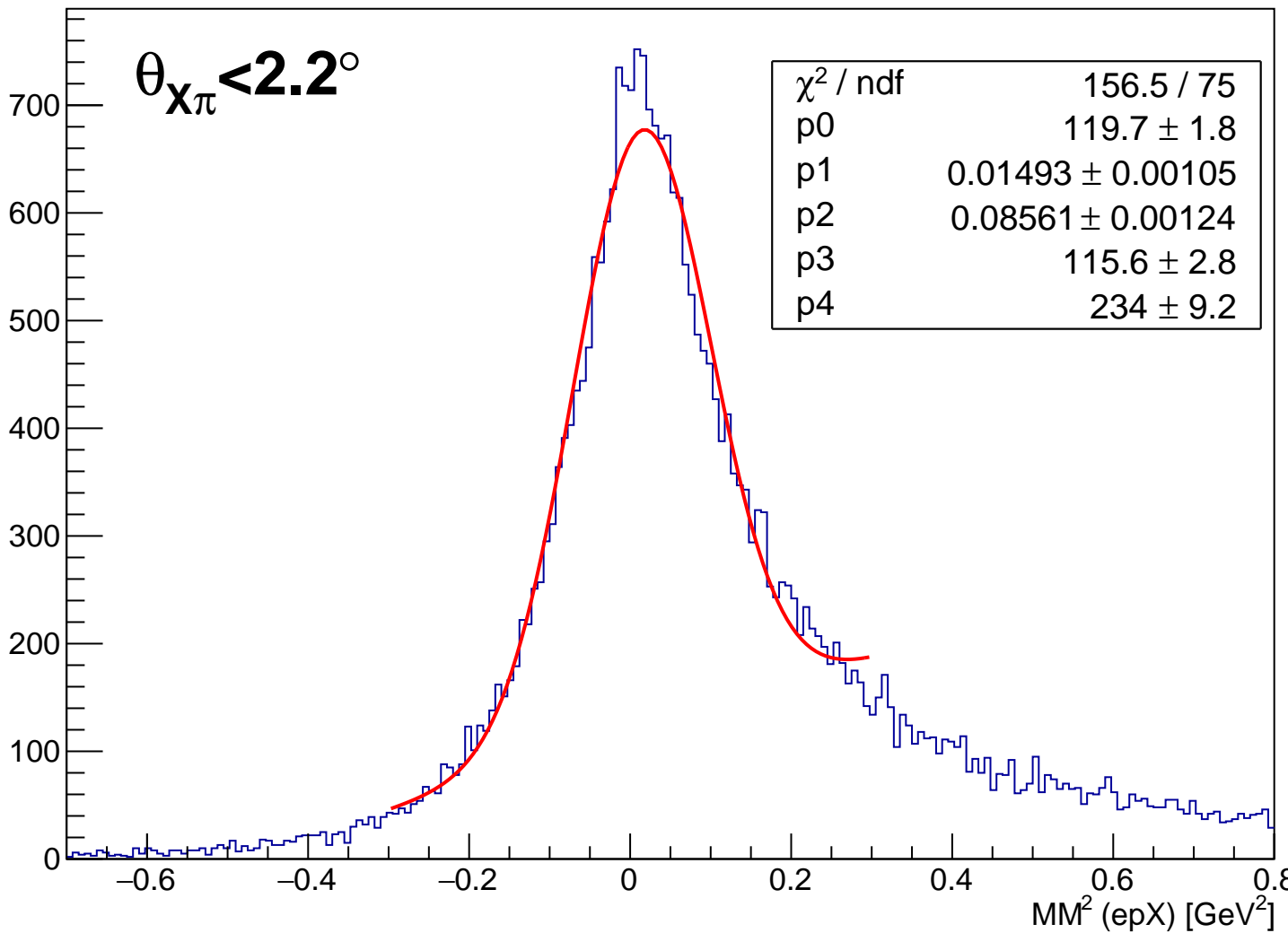




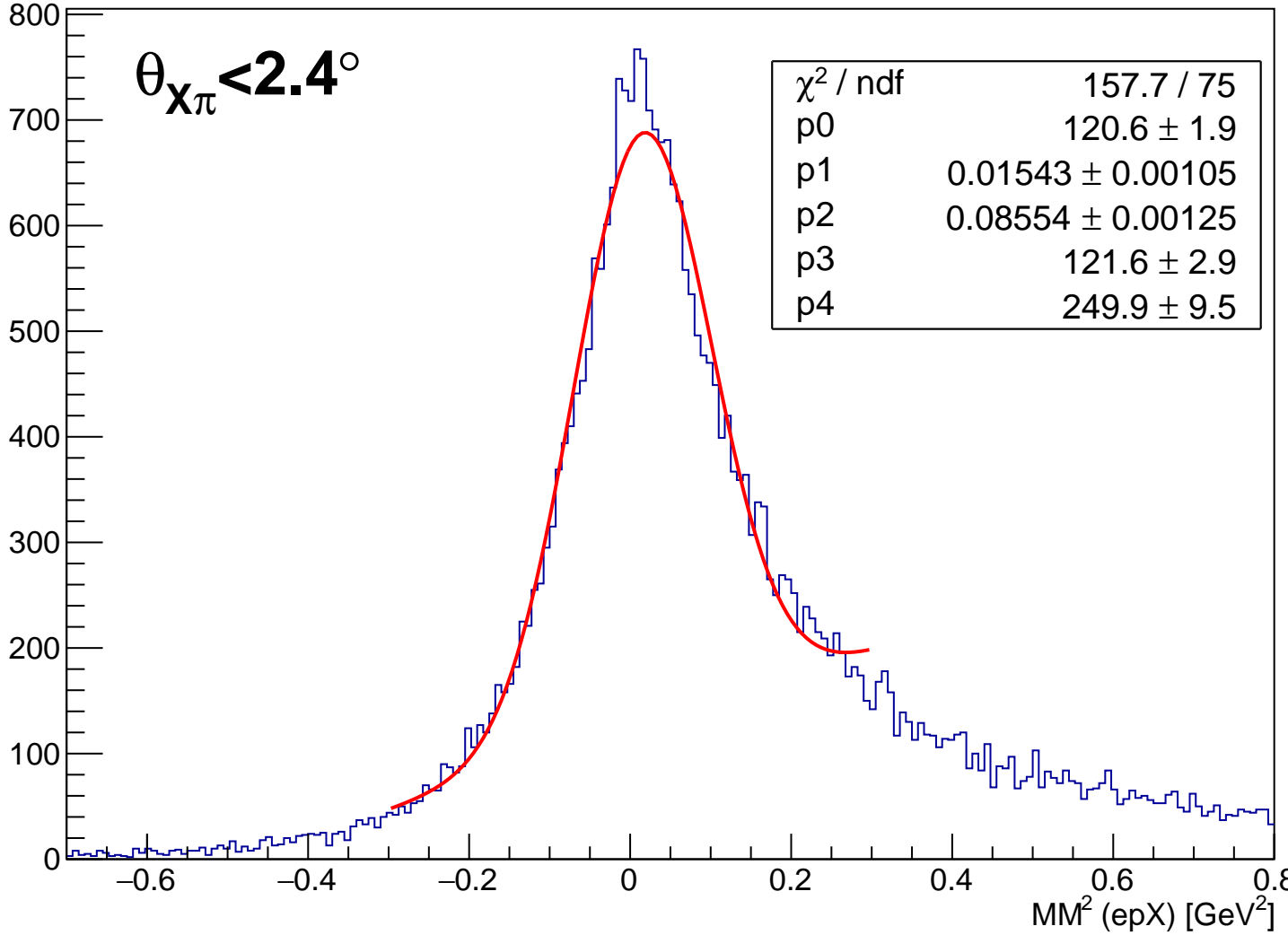
$\theta_{X\pi} < 2.0^\circ$



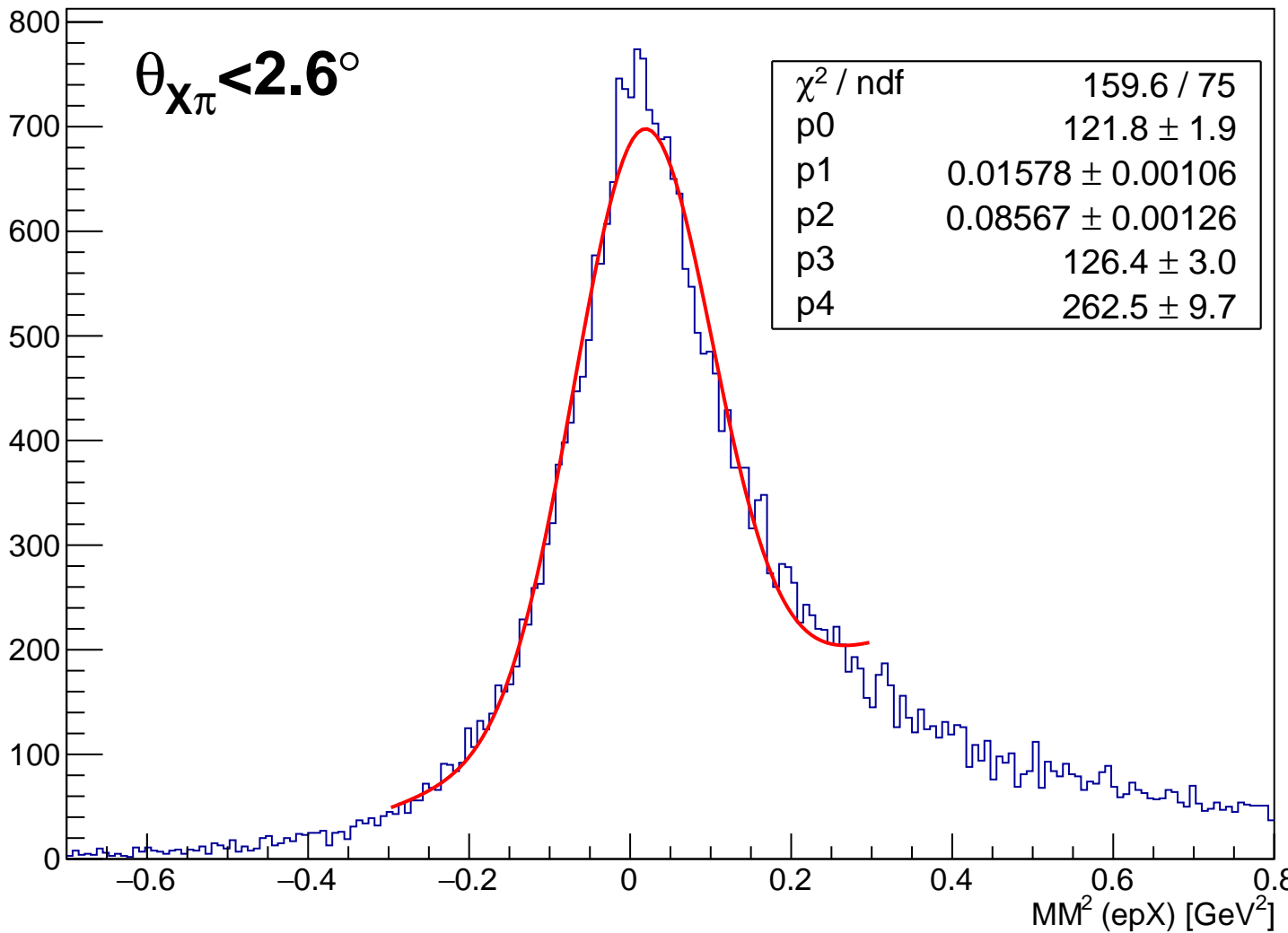
$\theta_{X\pi} < 2.2^\circ$



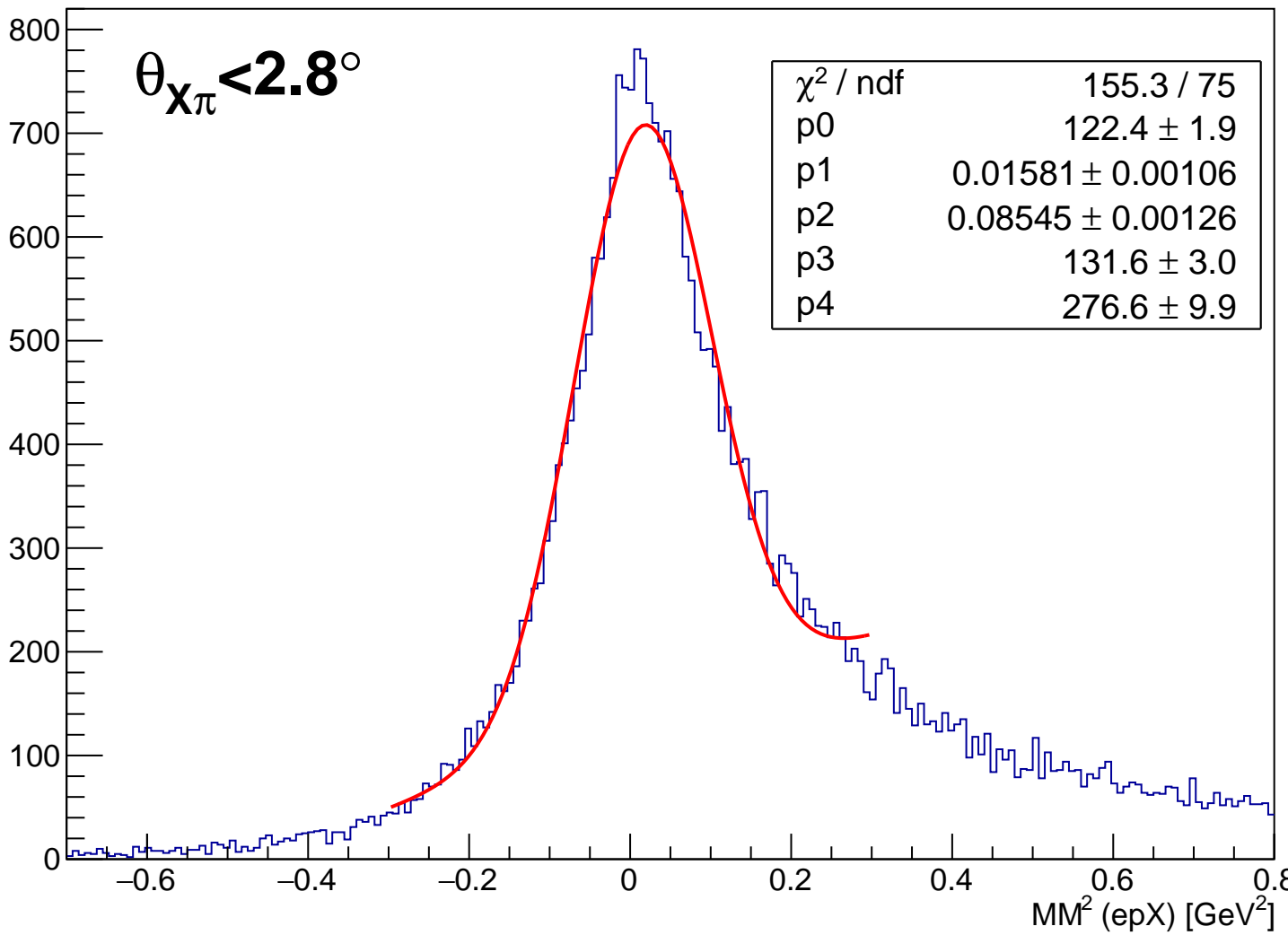
$\theta_{X\pi} < 2.4^\circ$



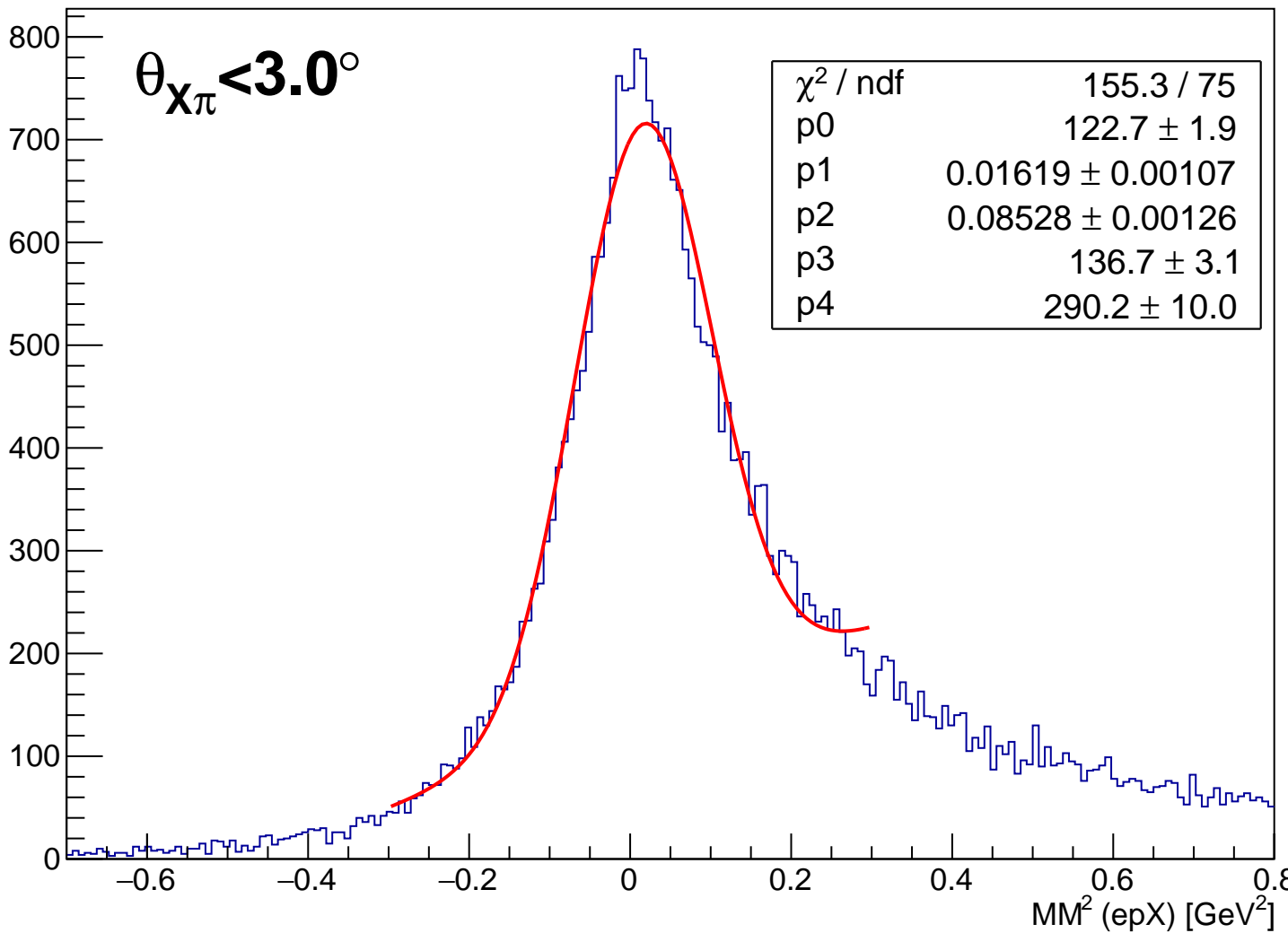
$\theta_{X\pi} < 2.6^\circ$

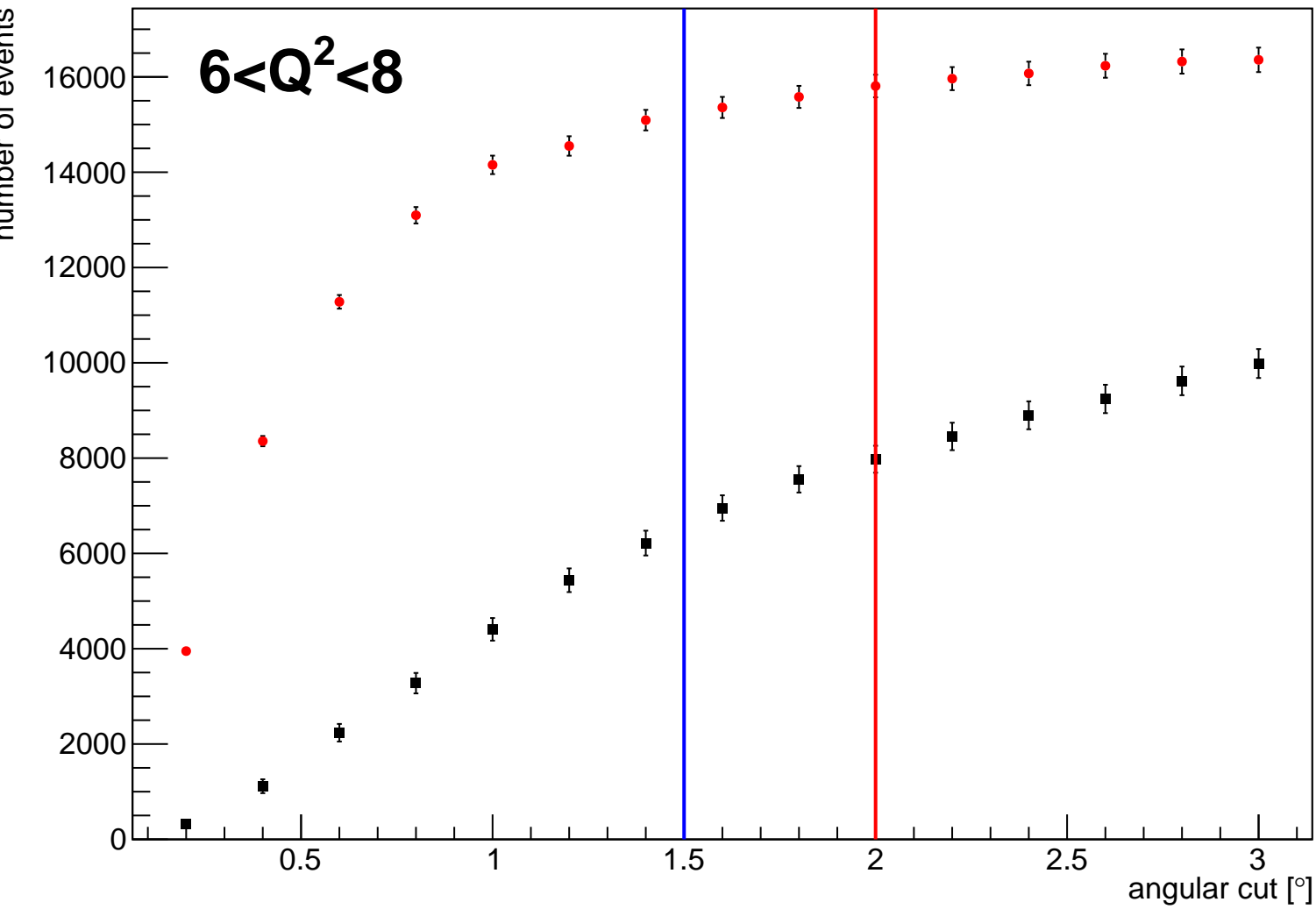


$\theta_{X\pi} < 2.8^\circ$

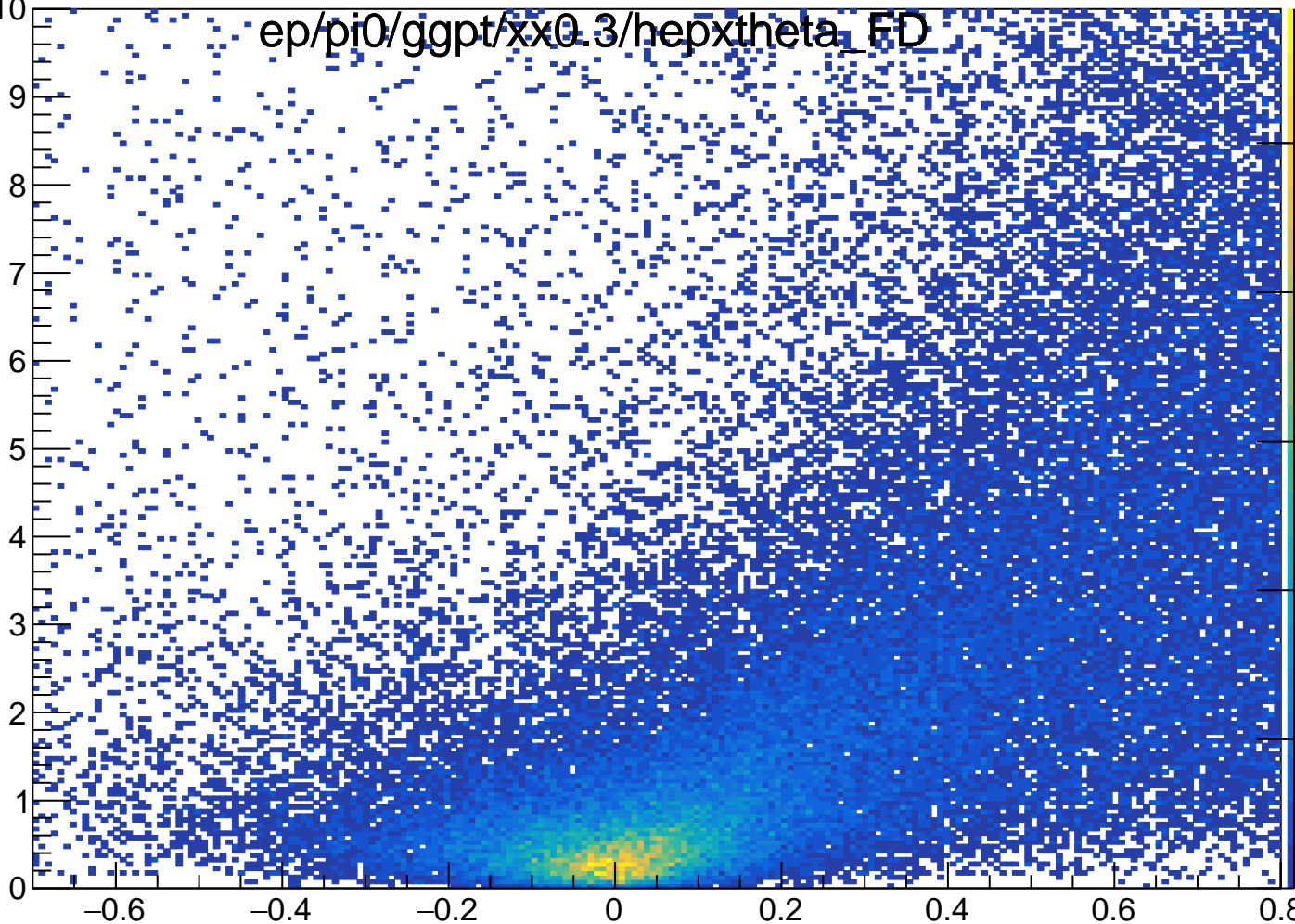


$\theta_{X\pi} < 3.0^\circ$

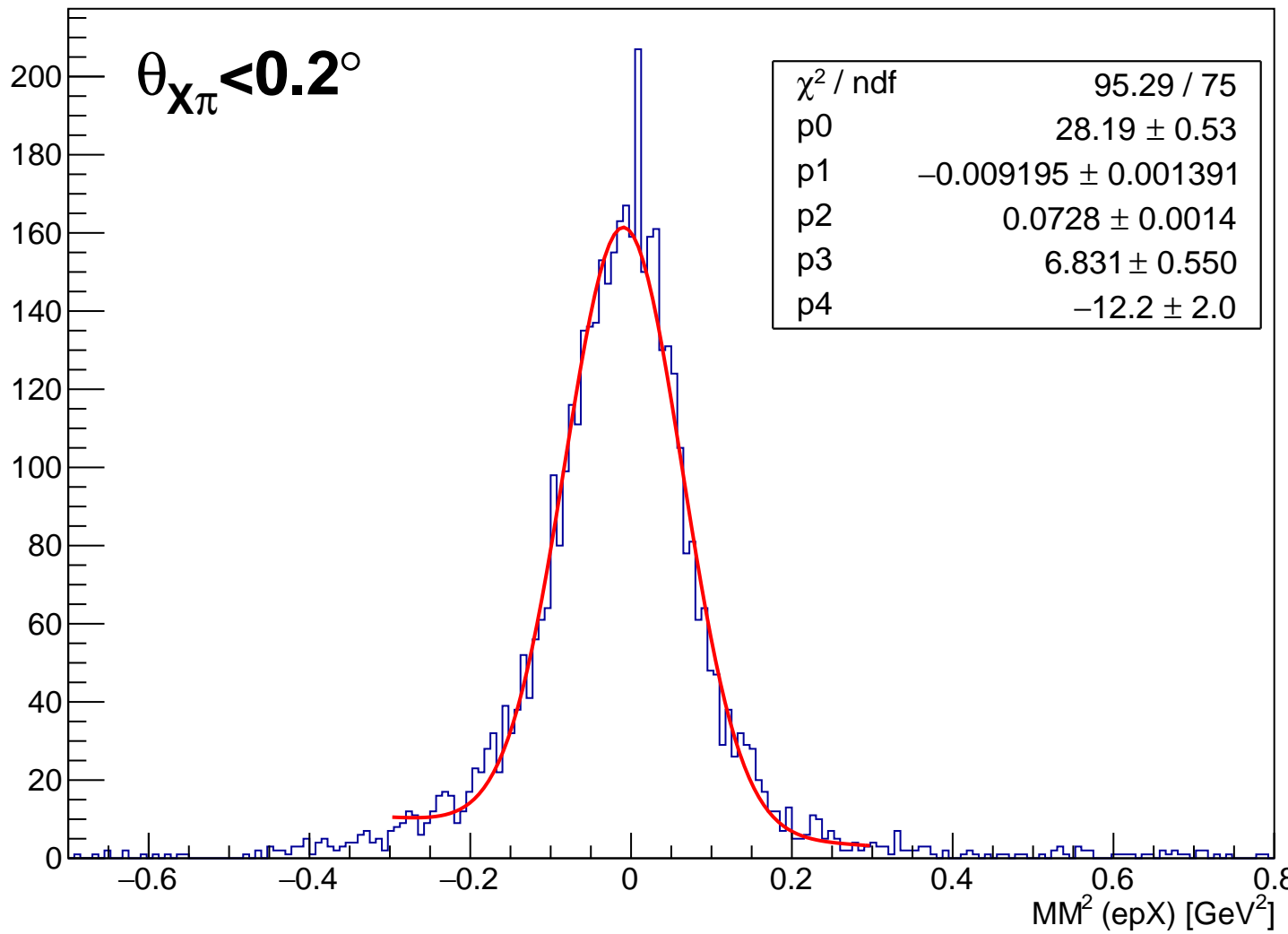




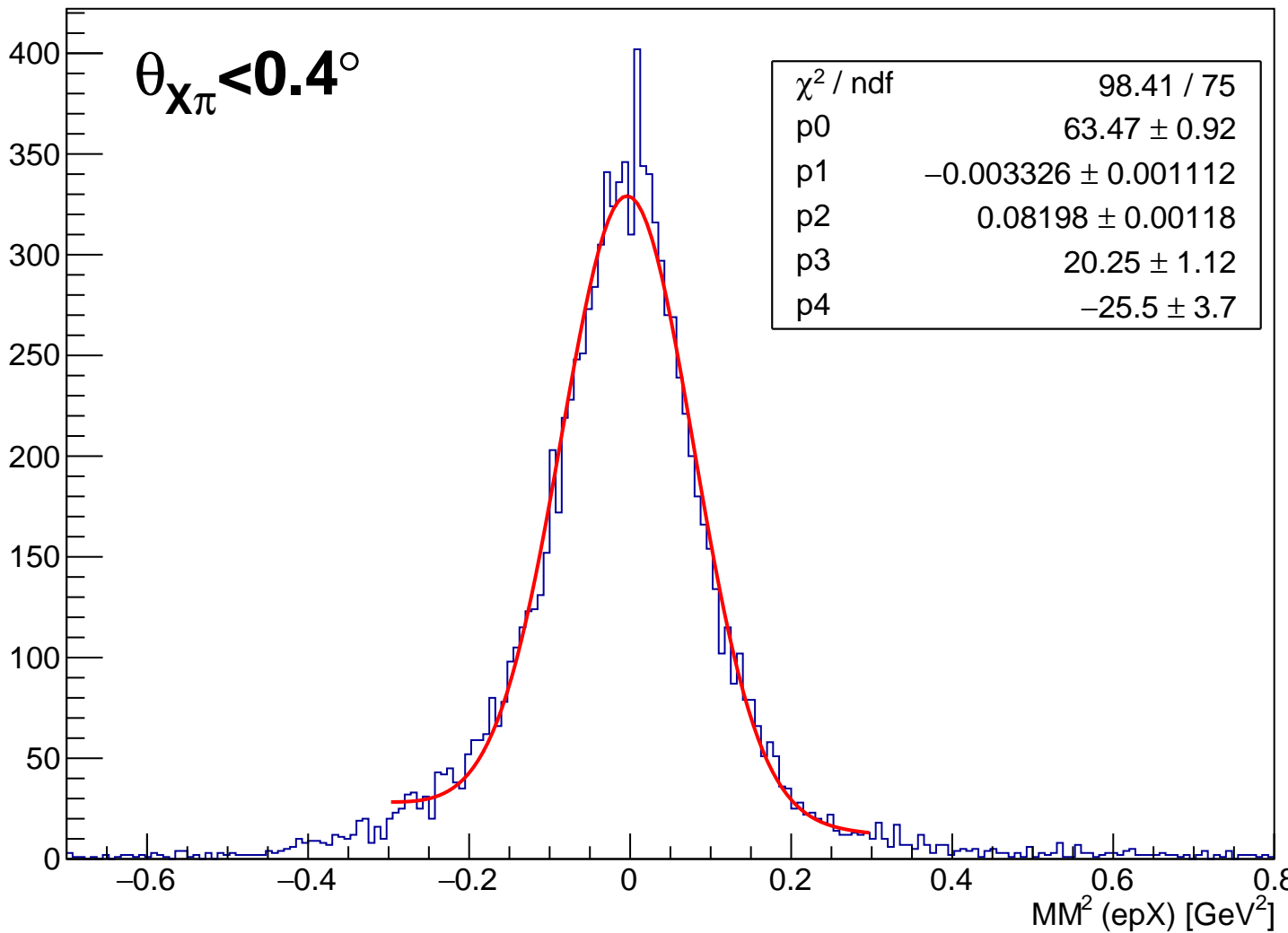
ep/pi0/ggpt/xx0.3/hepxtheta\_FD



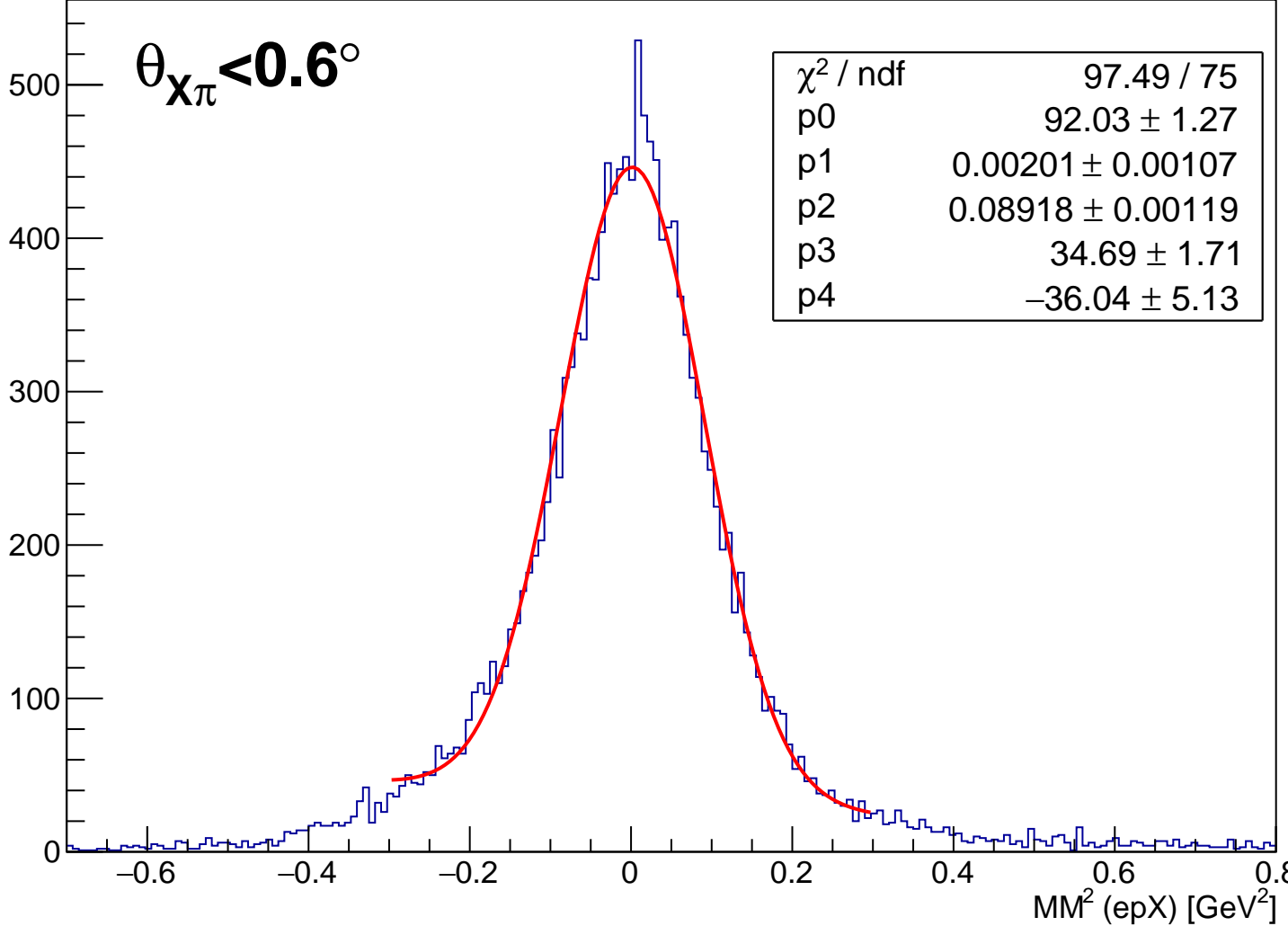




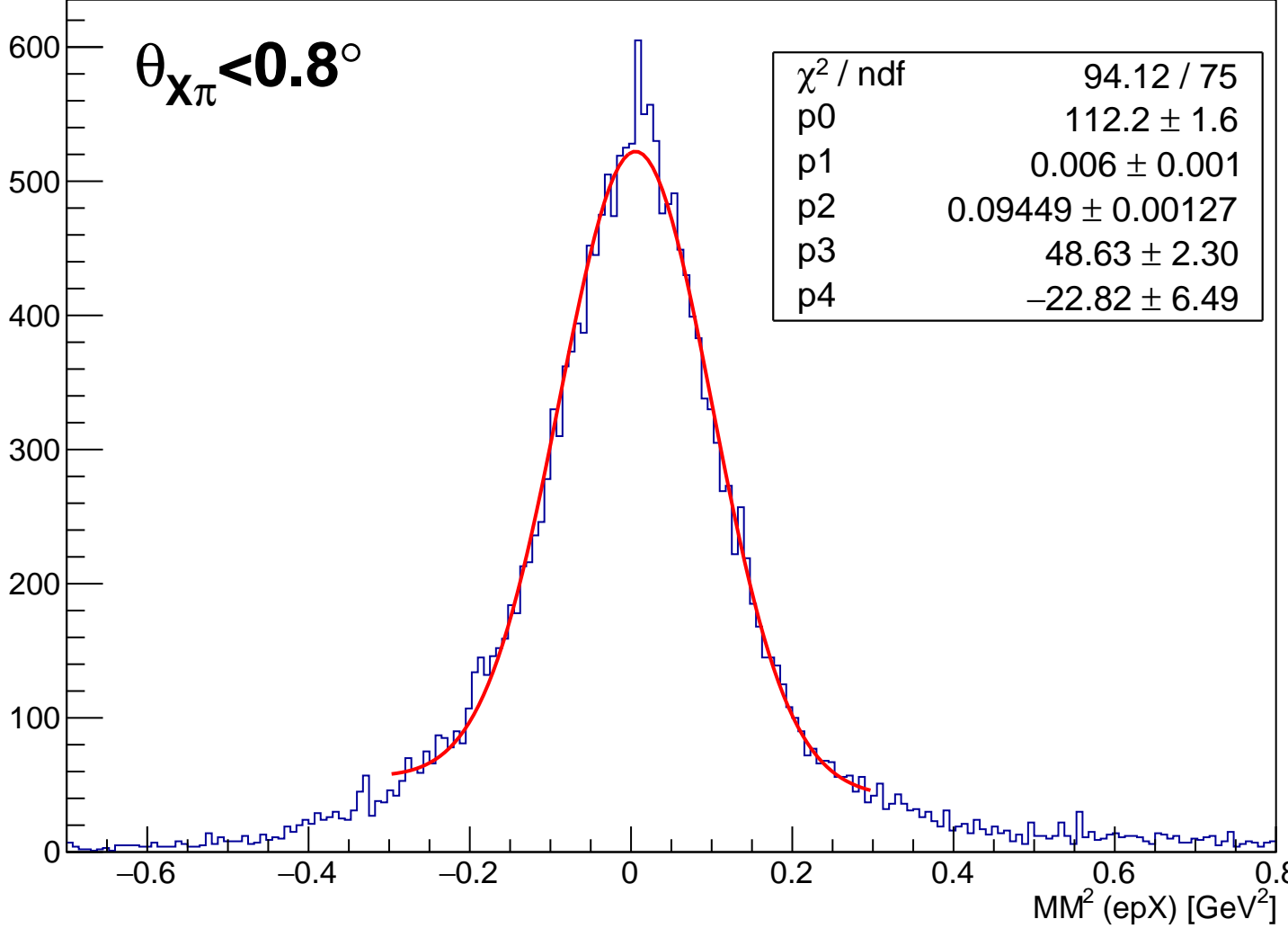
$\theta_{X\pi} < 0.4^\circ$



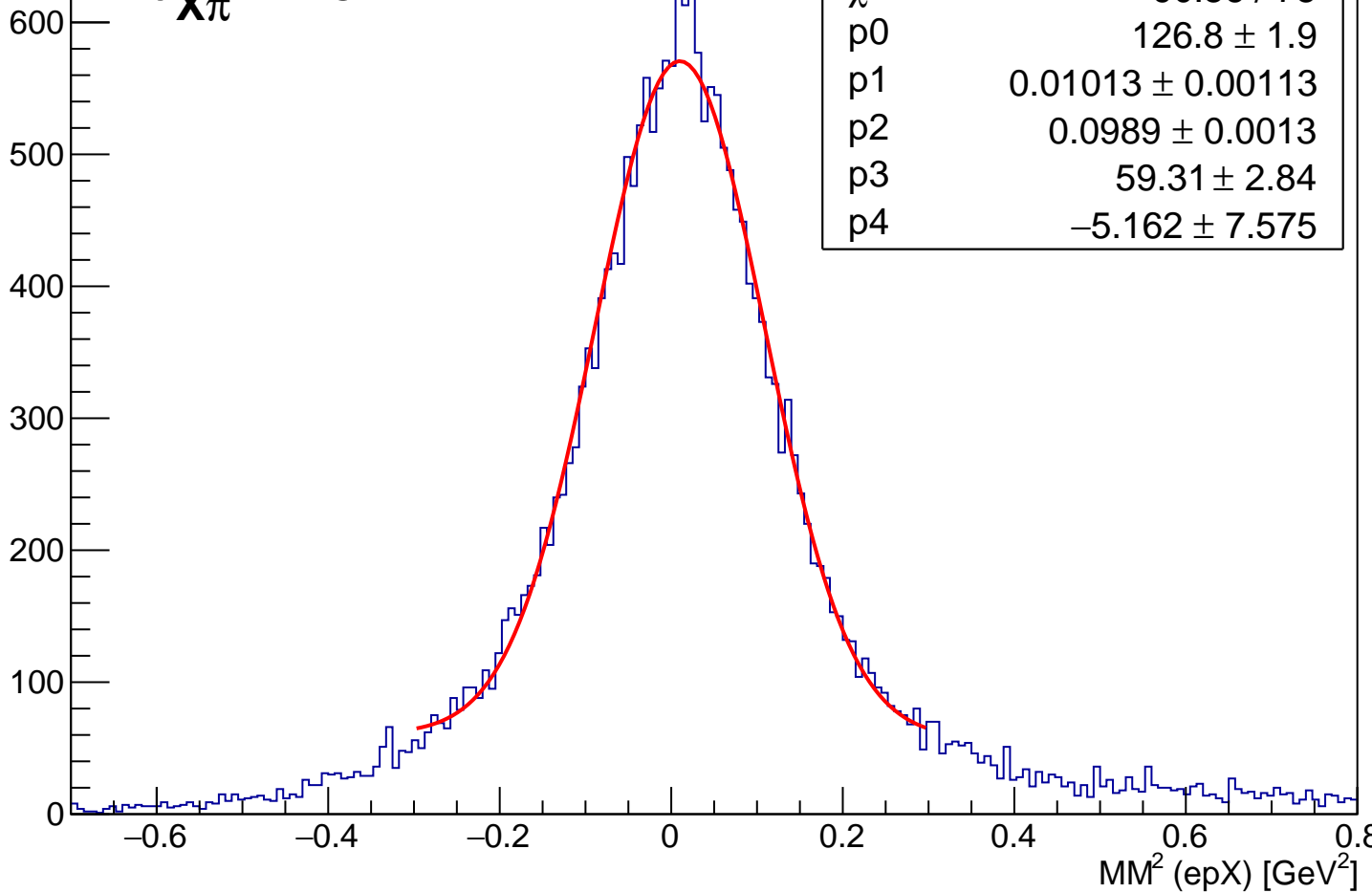
$\theta_{X\pi} < 0.6^\circ$



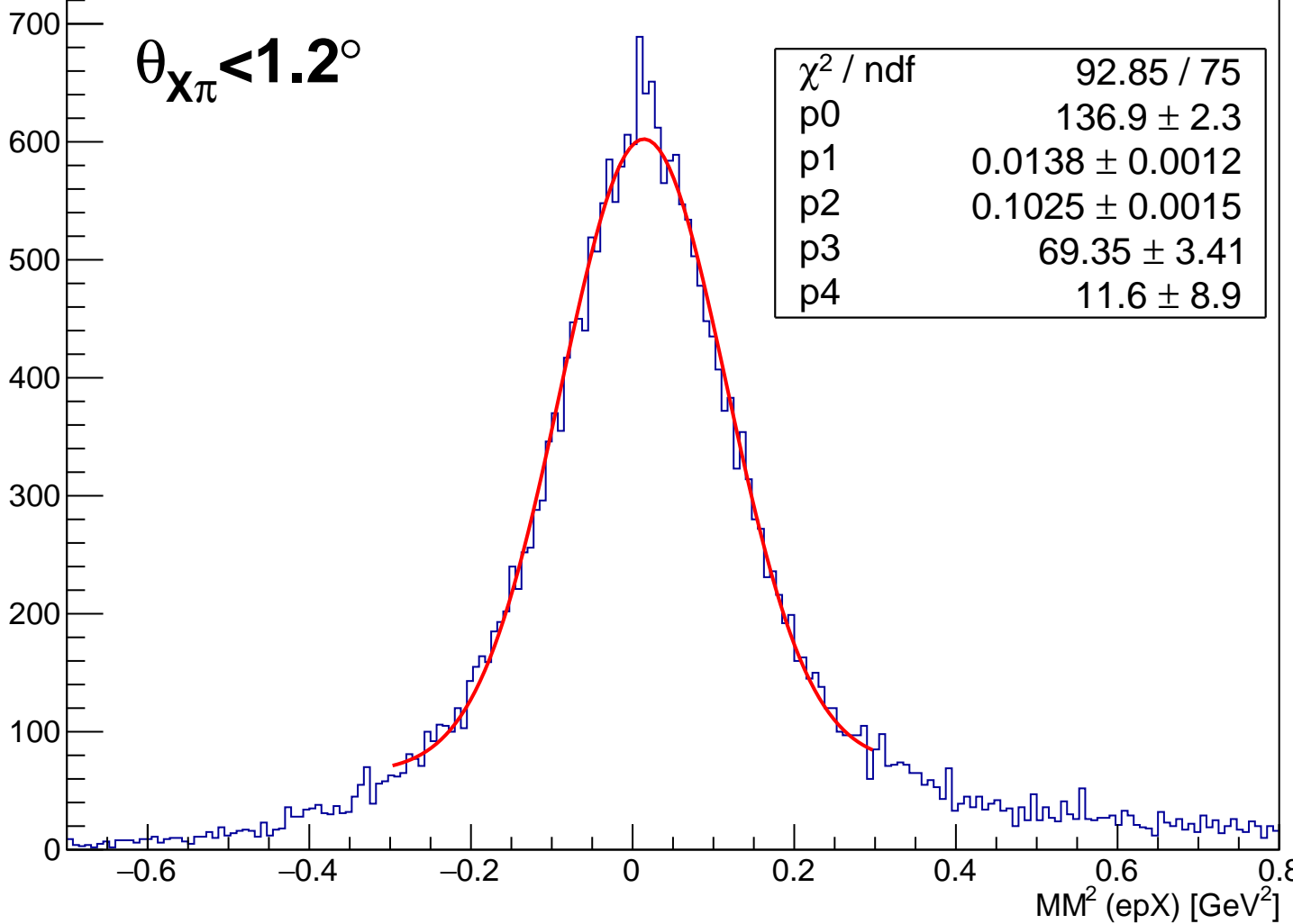
$\theta_{X\pi} < 0.8^\circ$



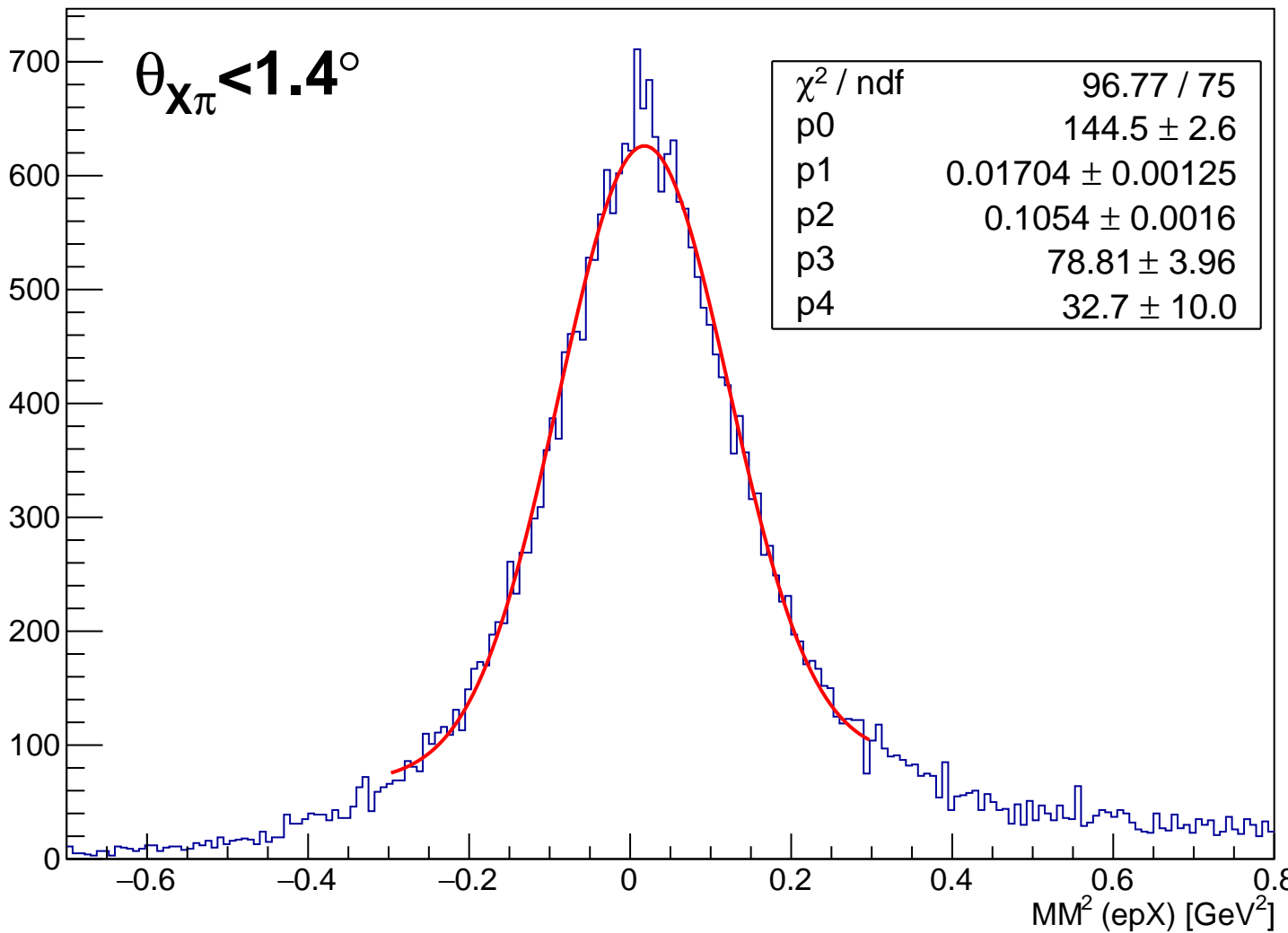
$\theta_{X\pi} < 1.0^\circ$



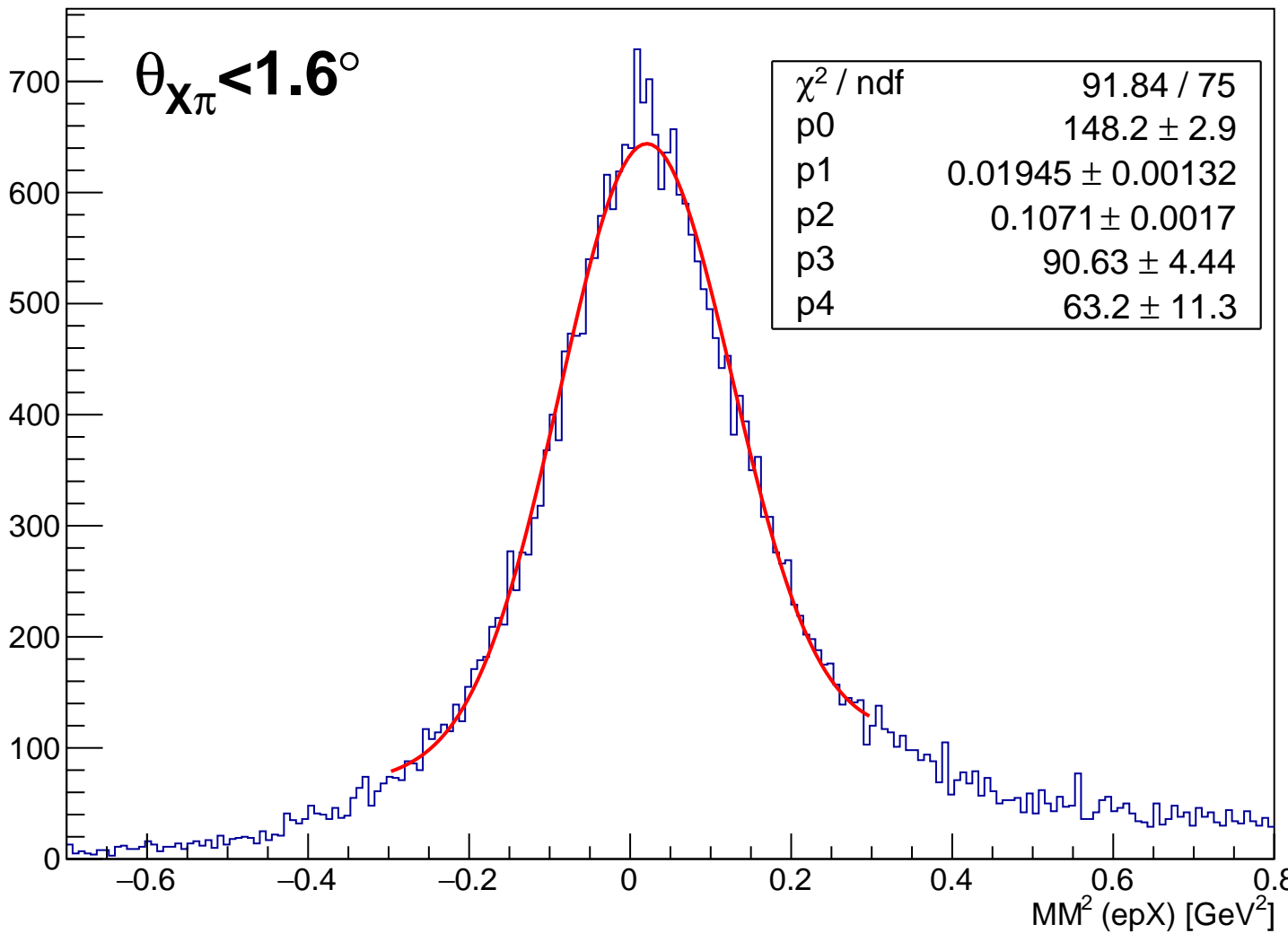
$\theta_{X\pi} < 1.2^\circ$



$\theta_{X\pi} < 1.4^\circ$

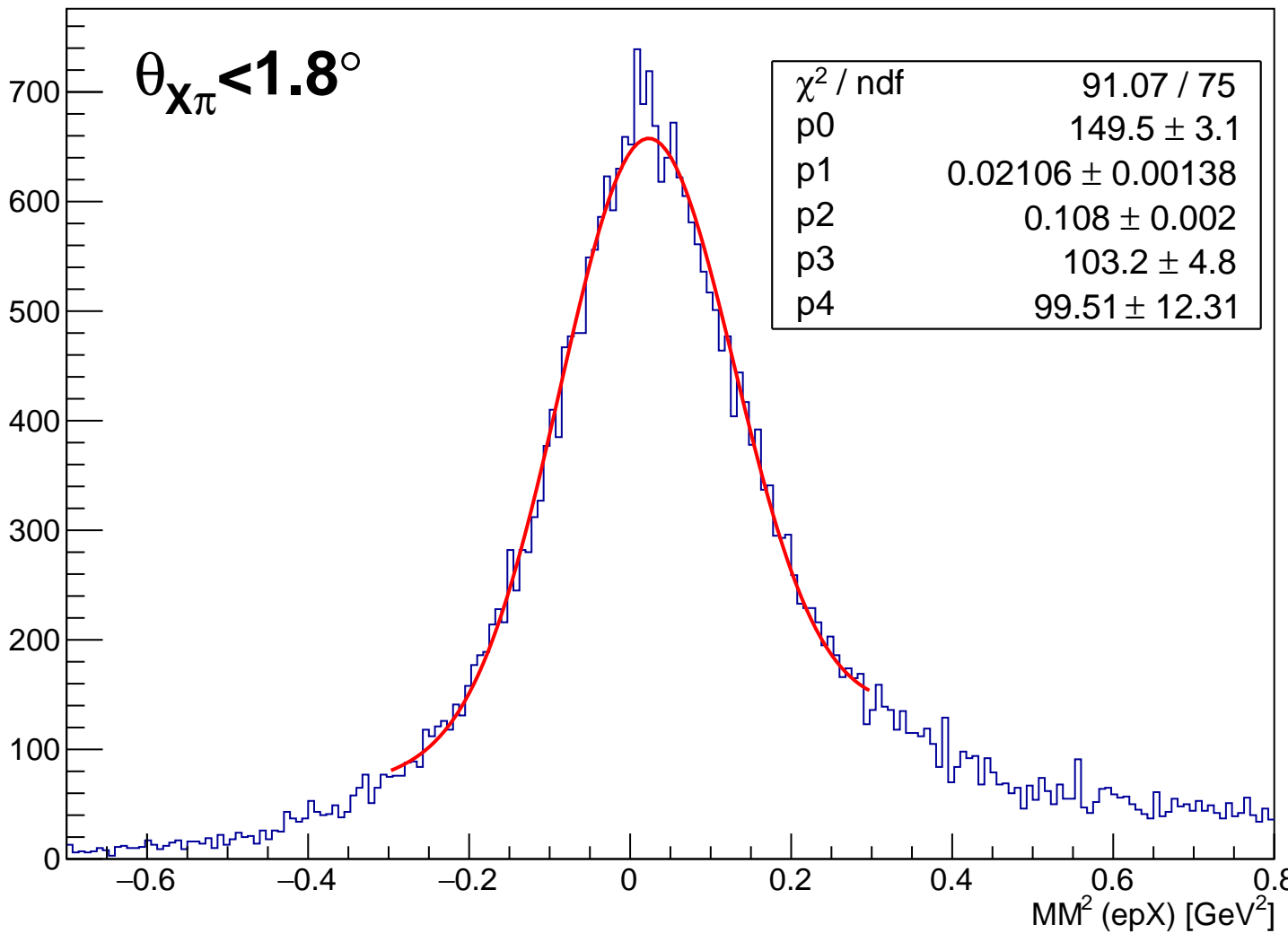


$\theta_{X\pi} < 1.6^\circ$

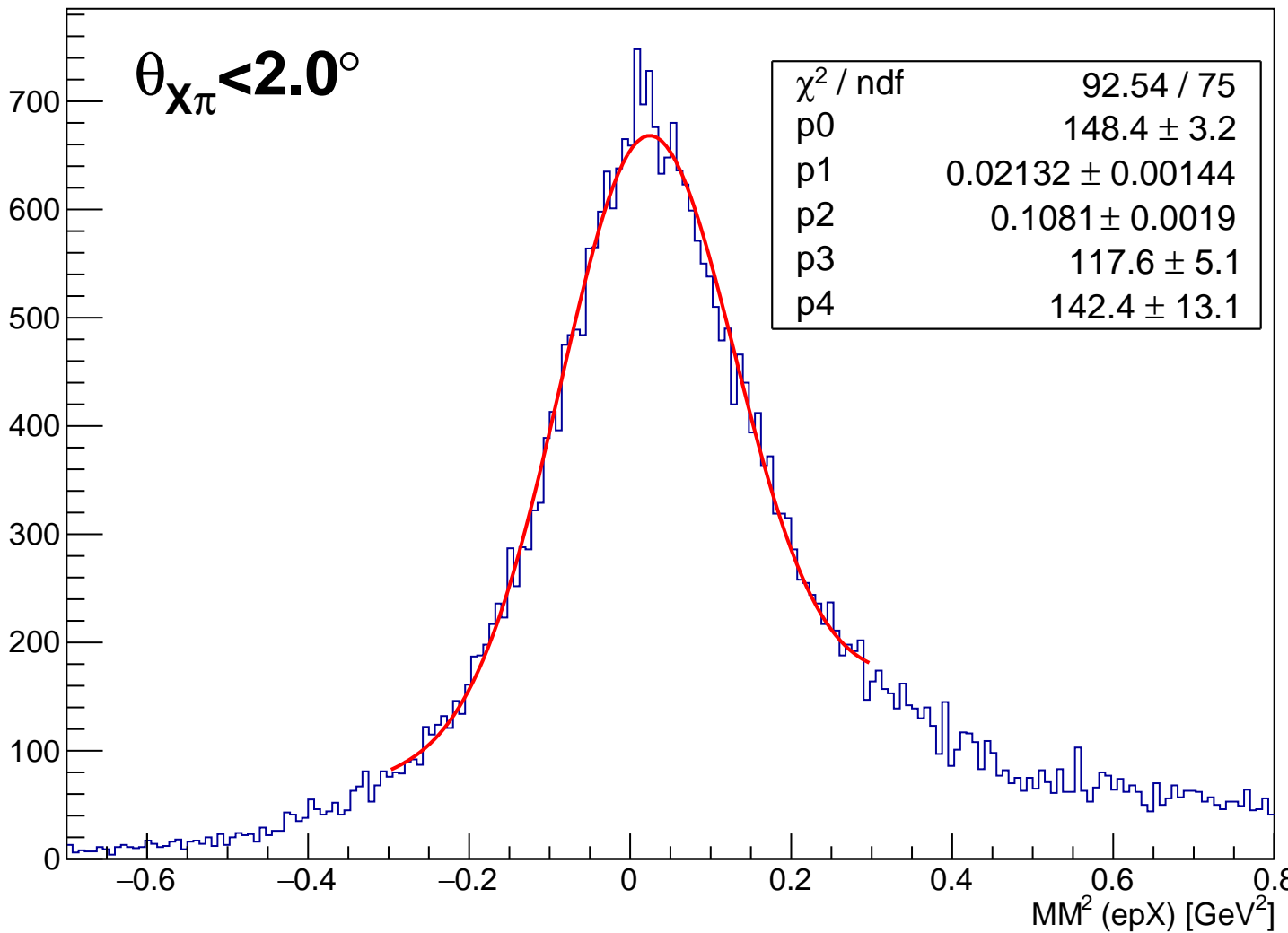




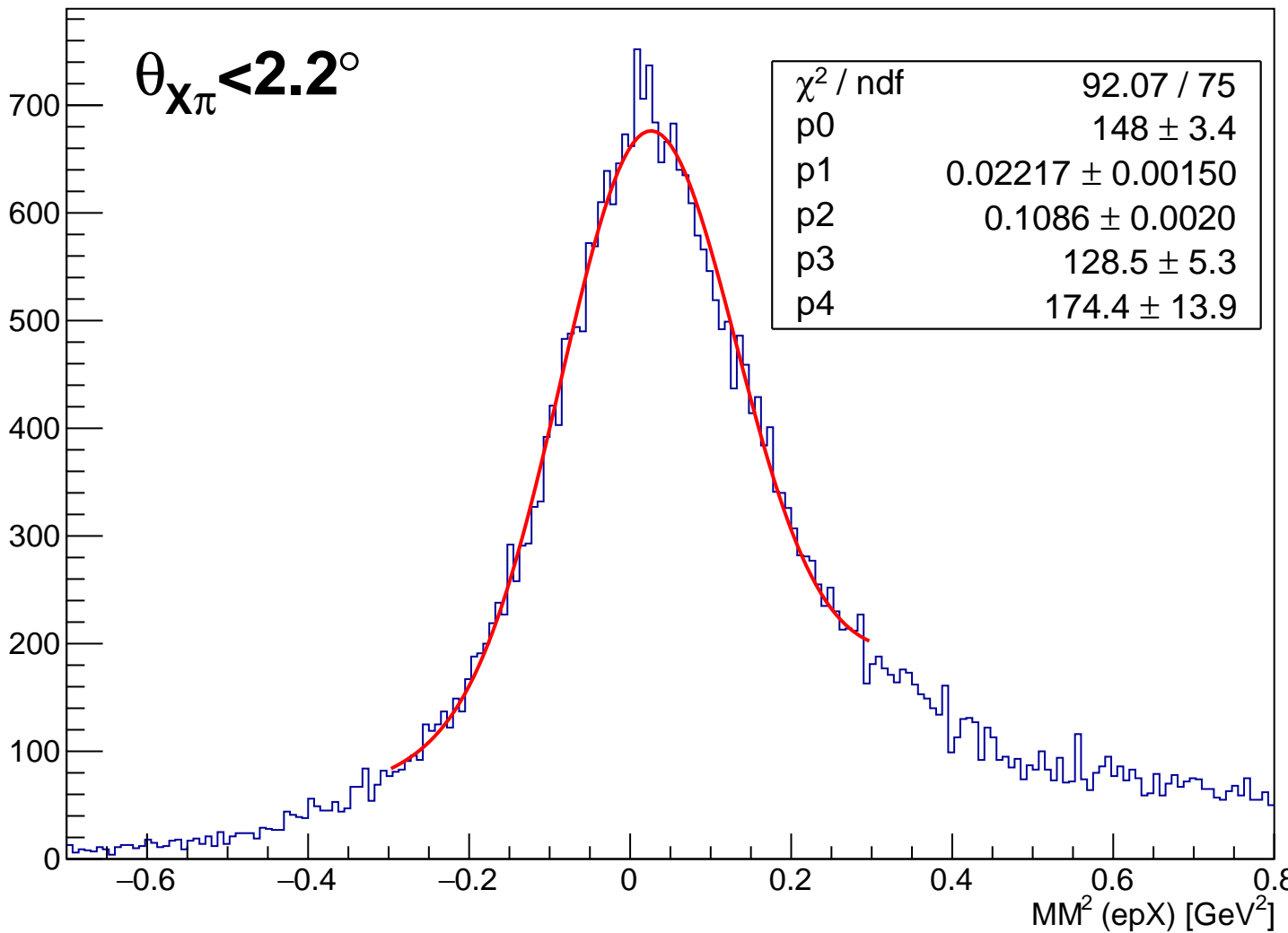
$\theta_{X\pi} < 1.8^\circ$



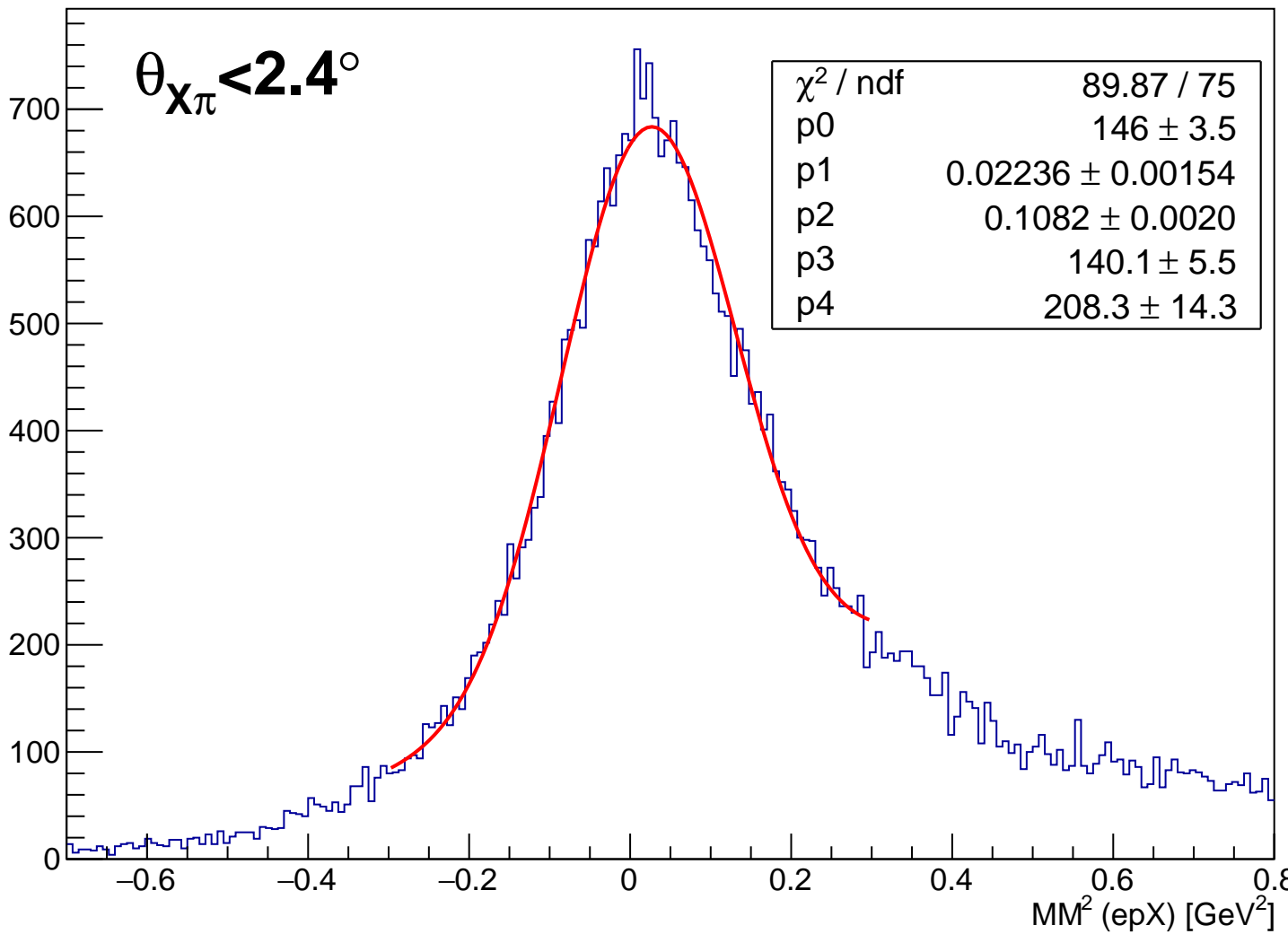
$\theta_{X\pi} < 2.0^\circ$



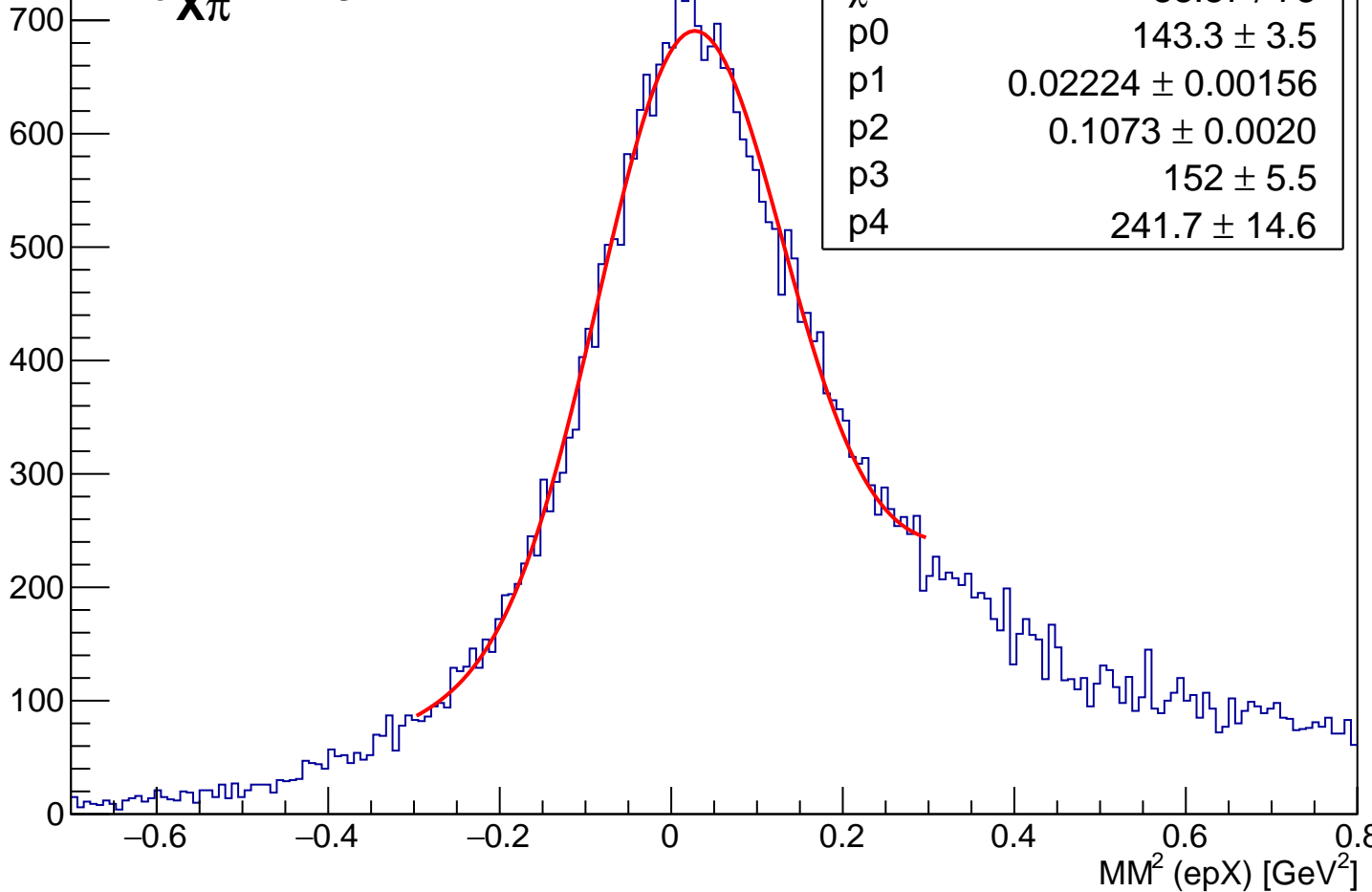
$\theta_{X\pi} < 2.2^\circ$



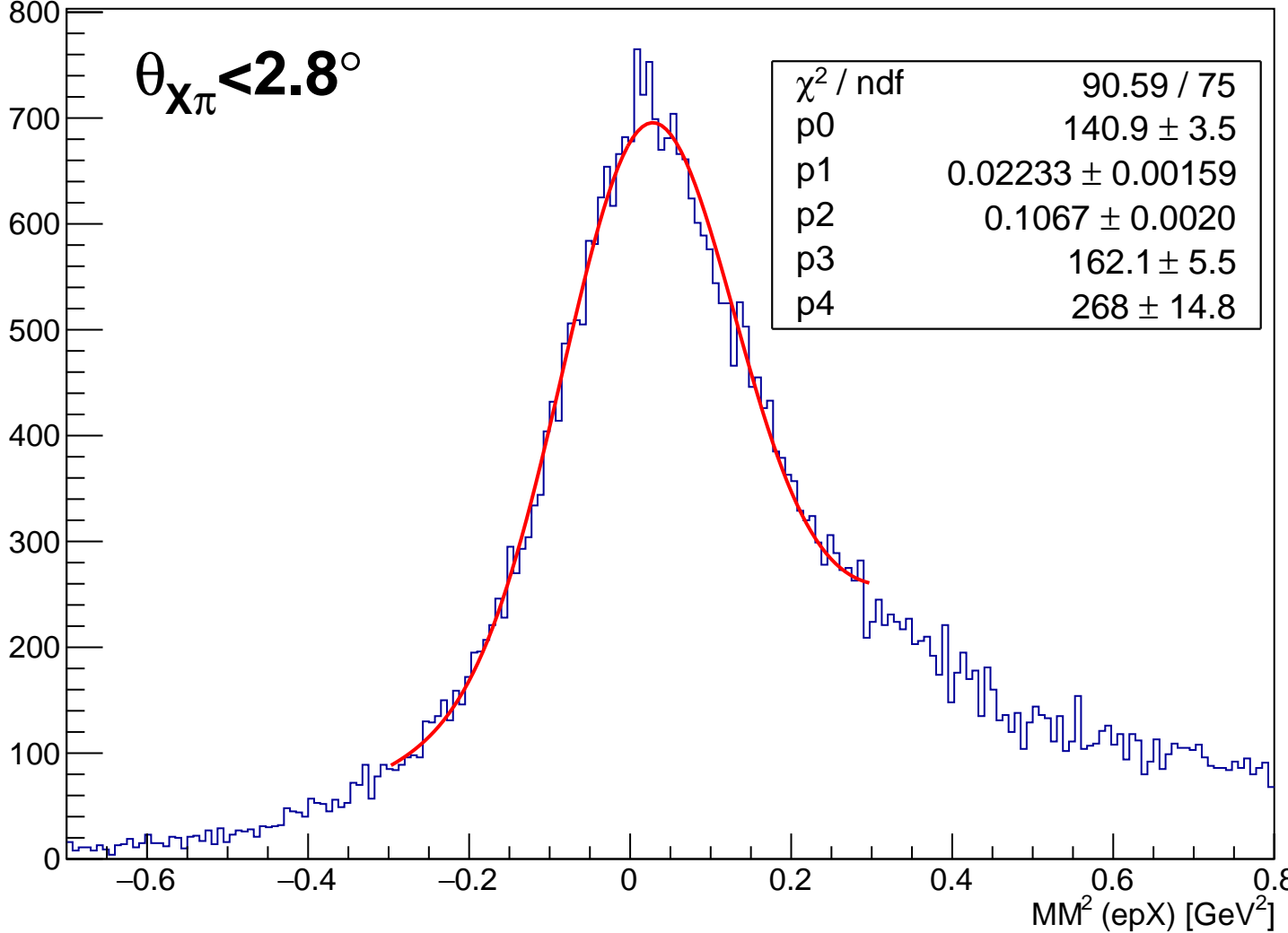
$\theta_{X\pi} < 2.4^\circ$



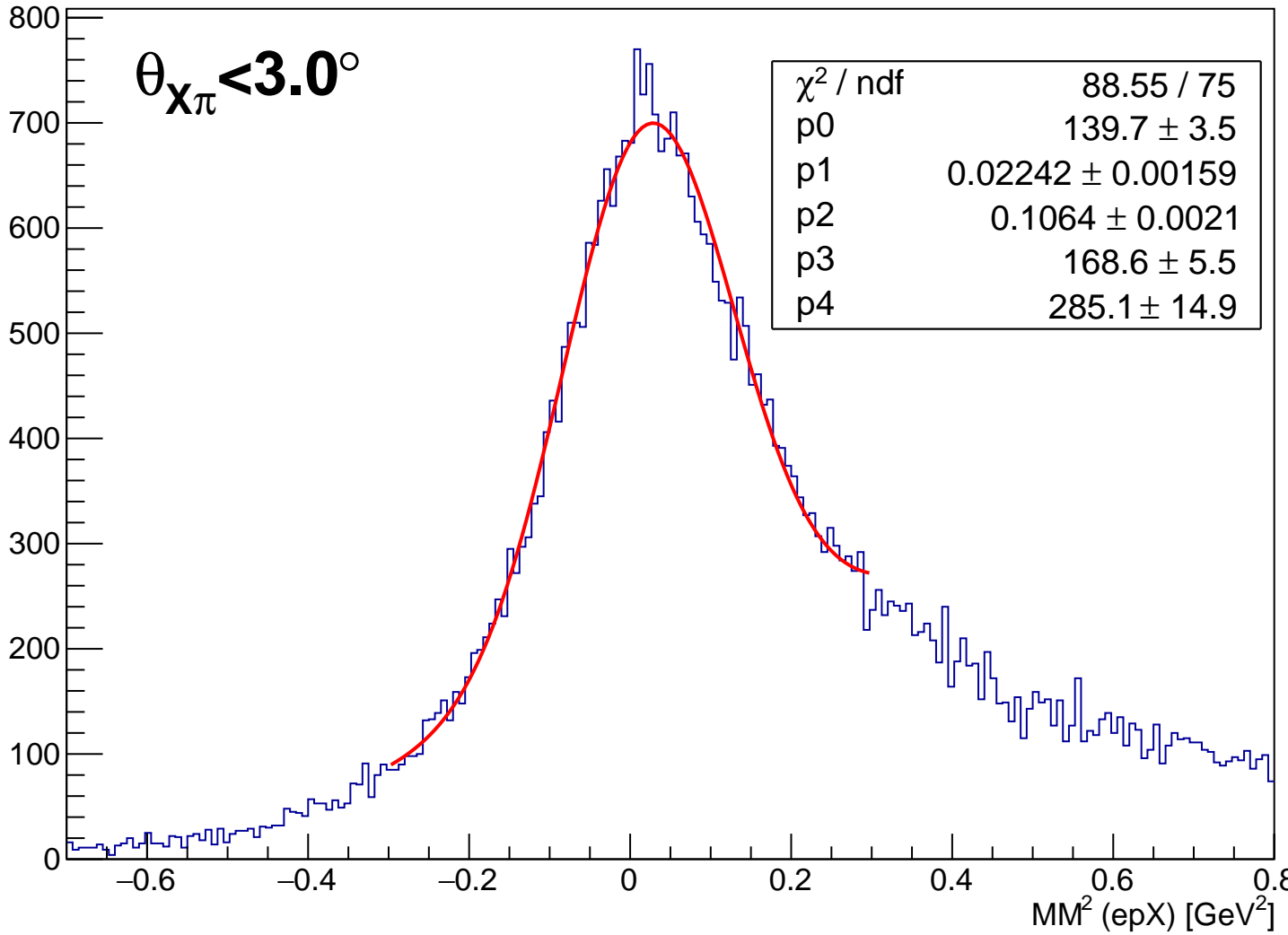
$\theta_{X\pi} < 2.6^\circ$

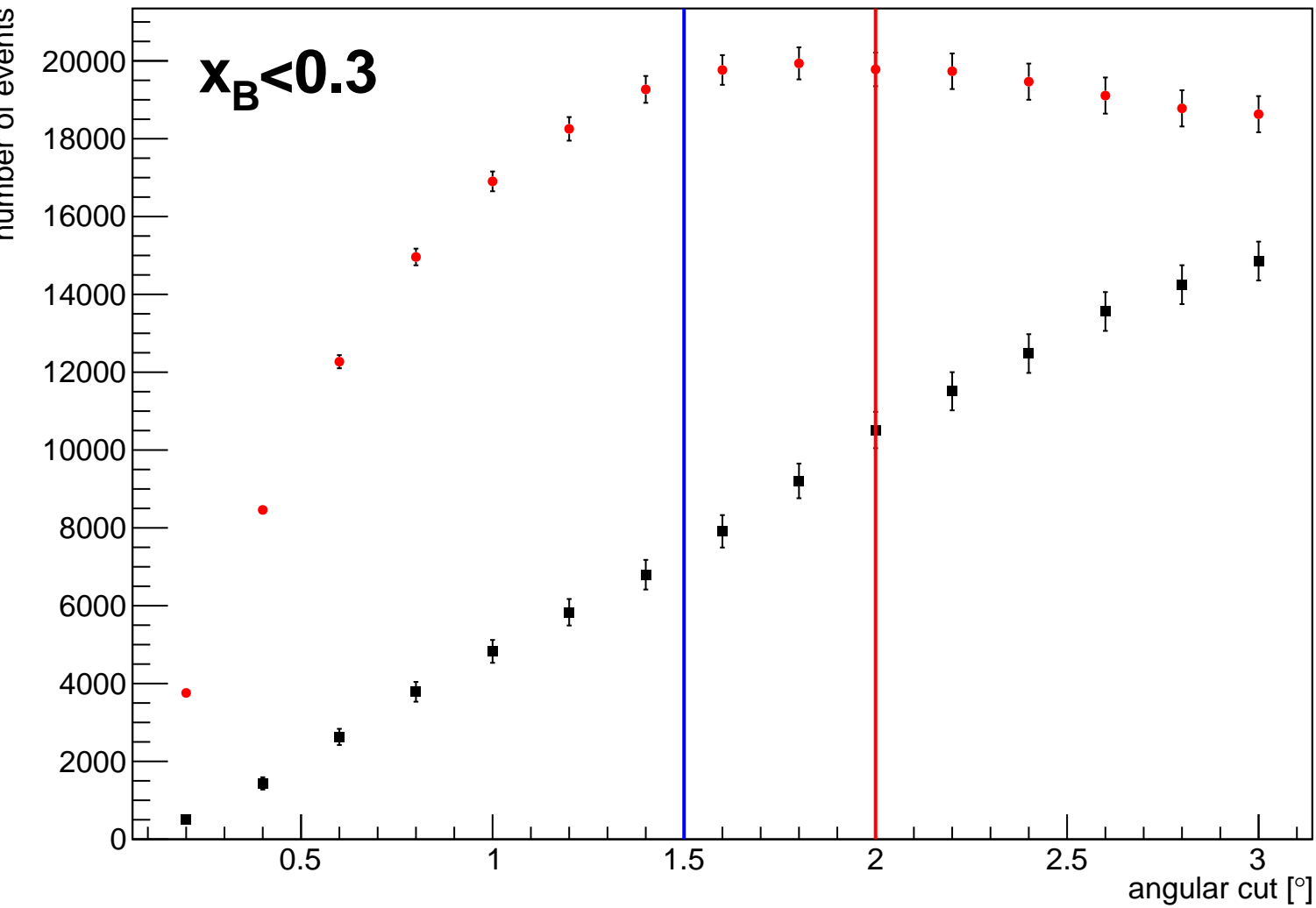


$\theta_{X\pi} < 2.8^\circ$



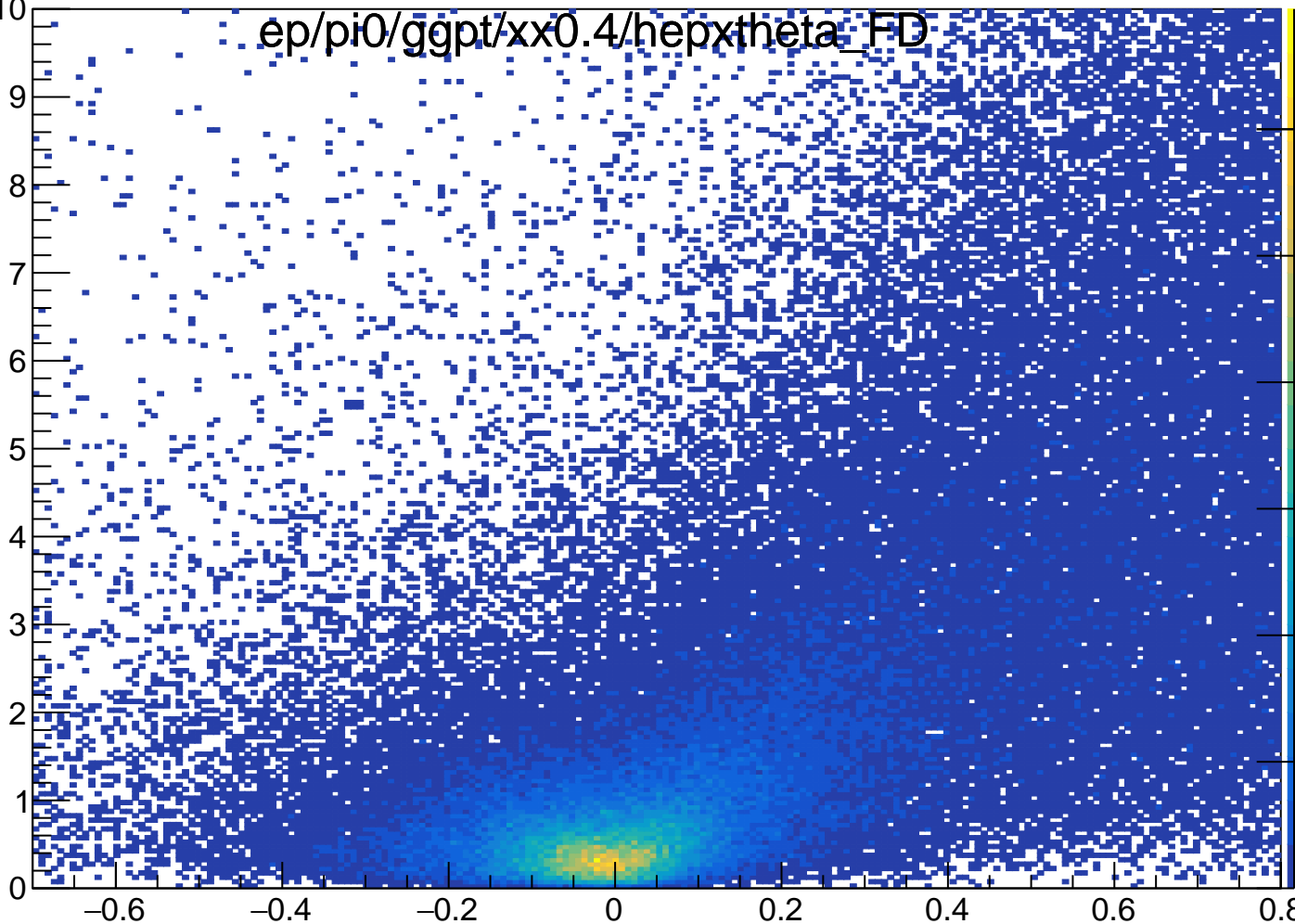
$\theta_{X\pi} < 3.0^\circ$



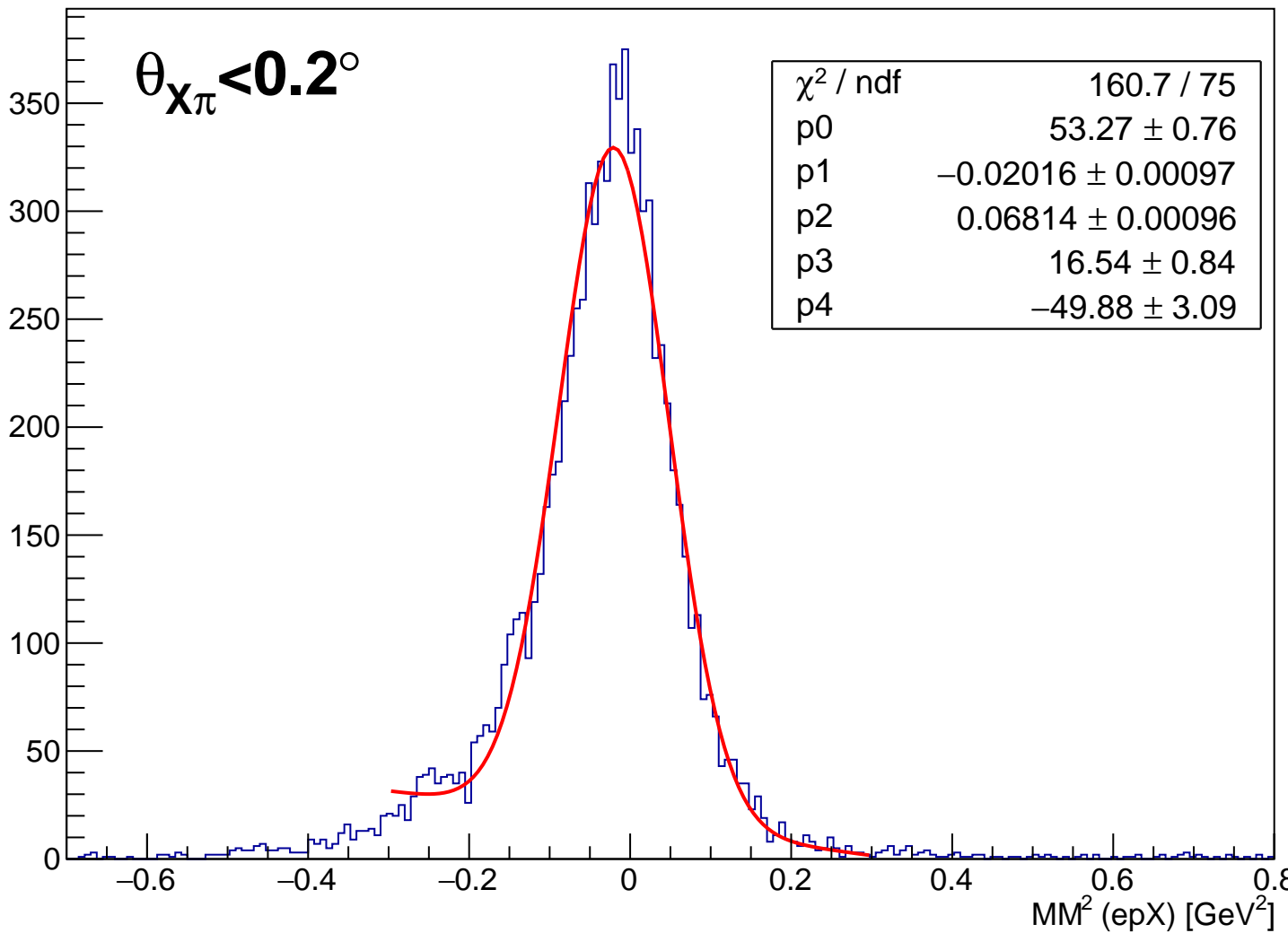




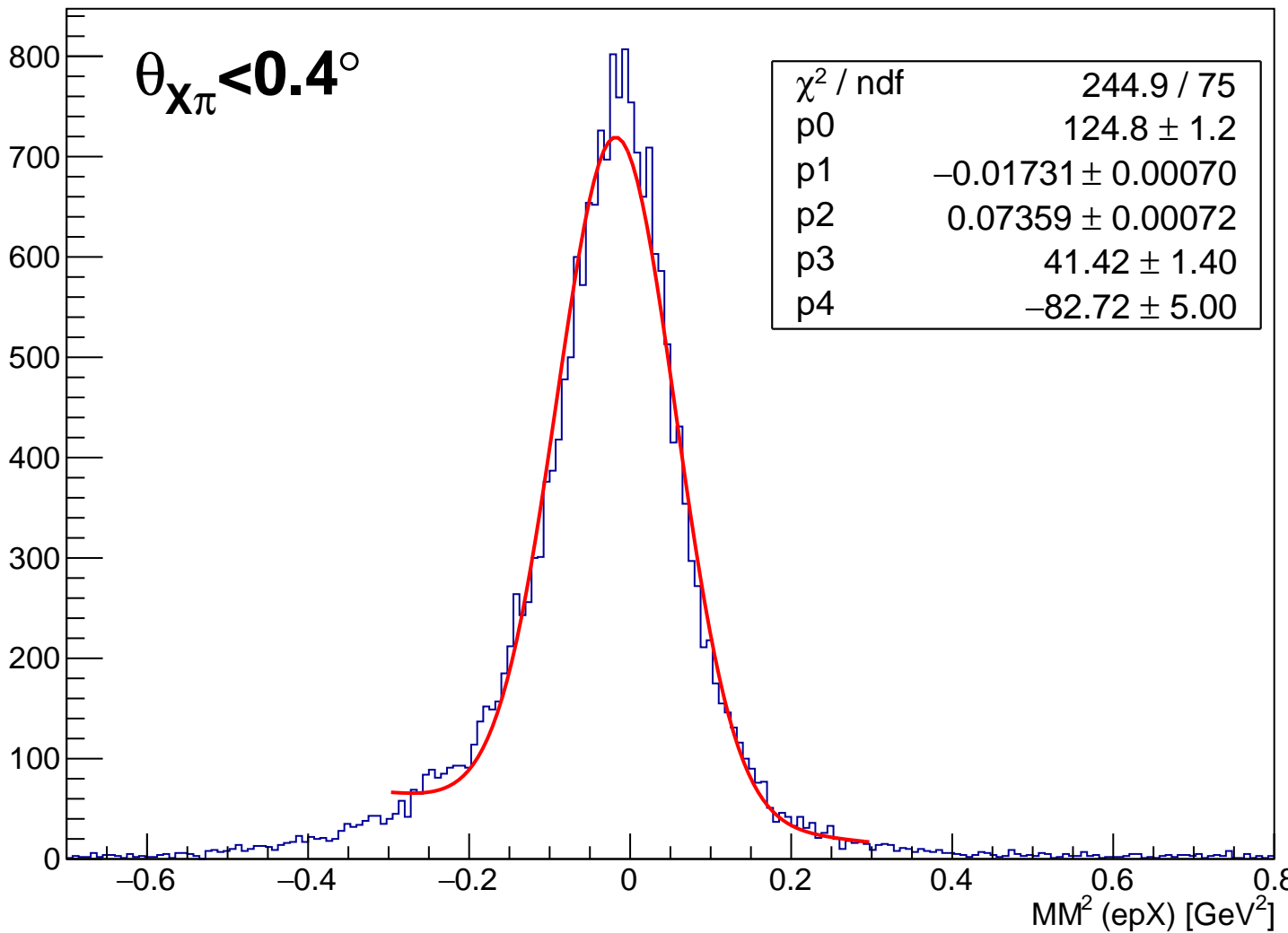
ep/pi0/ggpt/xx0.4/hepxtheta\_FD

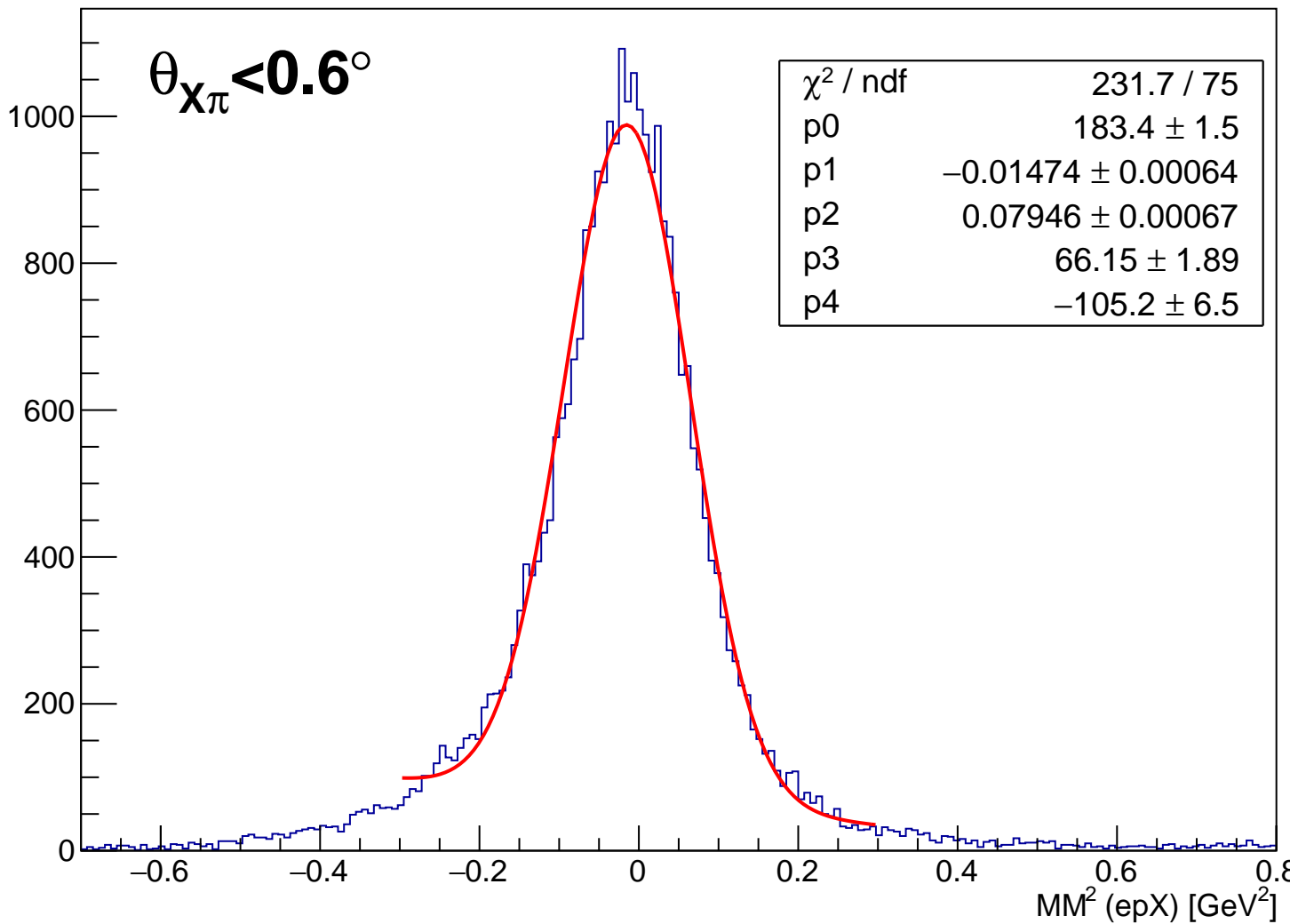


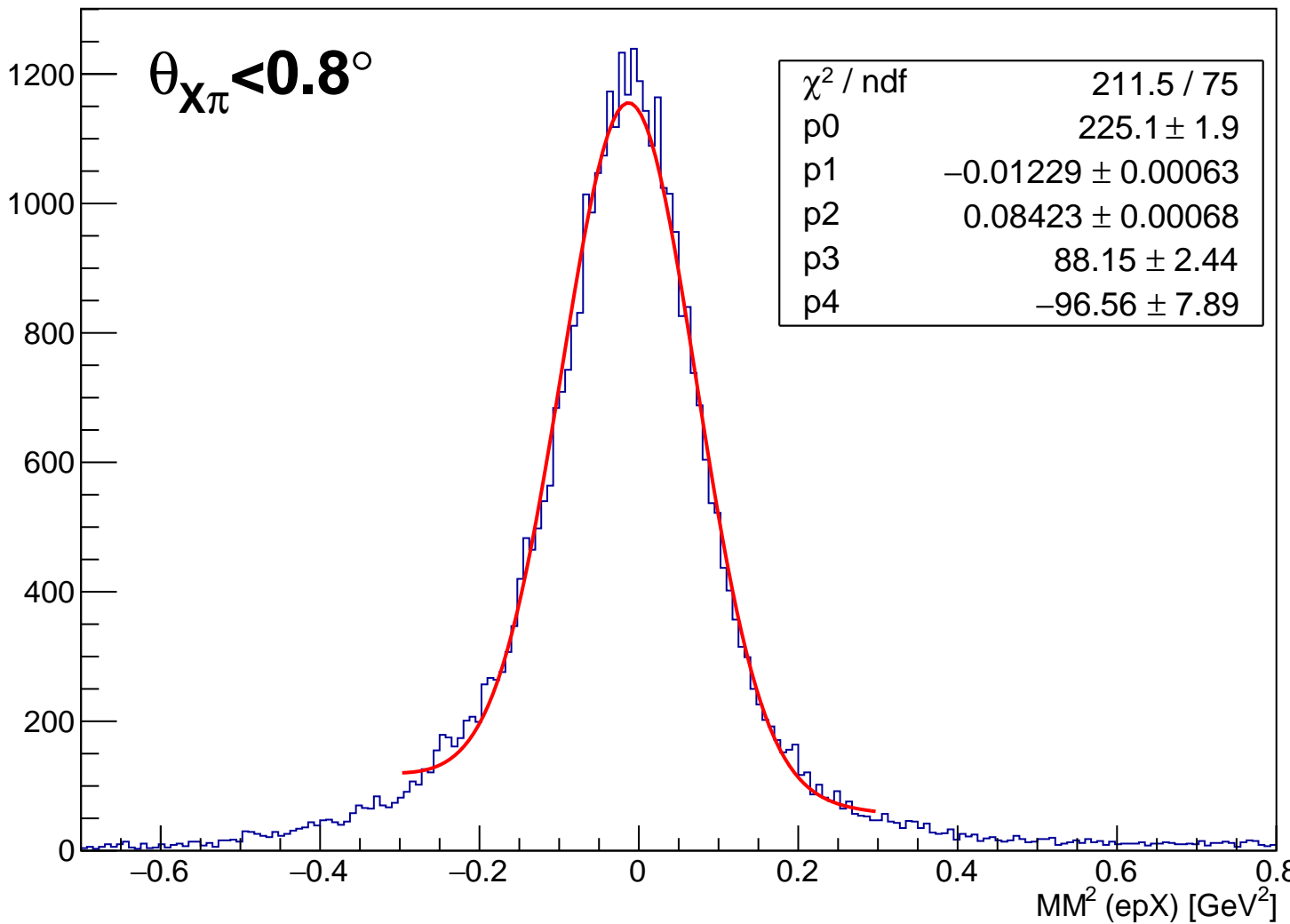
$\theta_{X\pi} < 0.2^\circ$



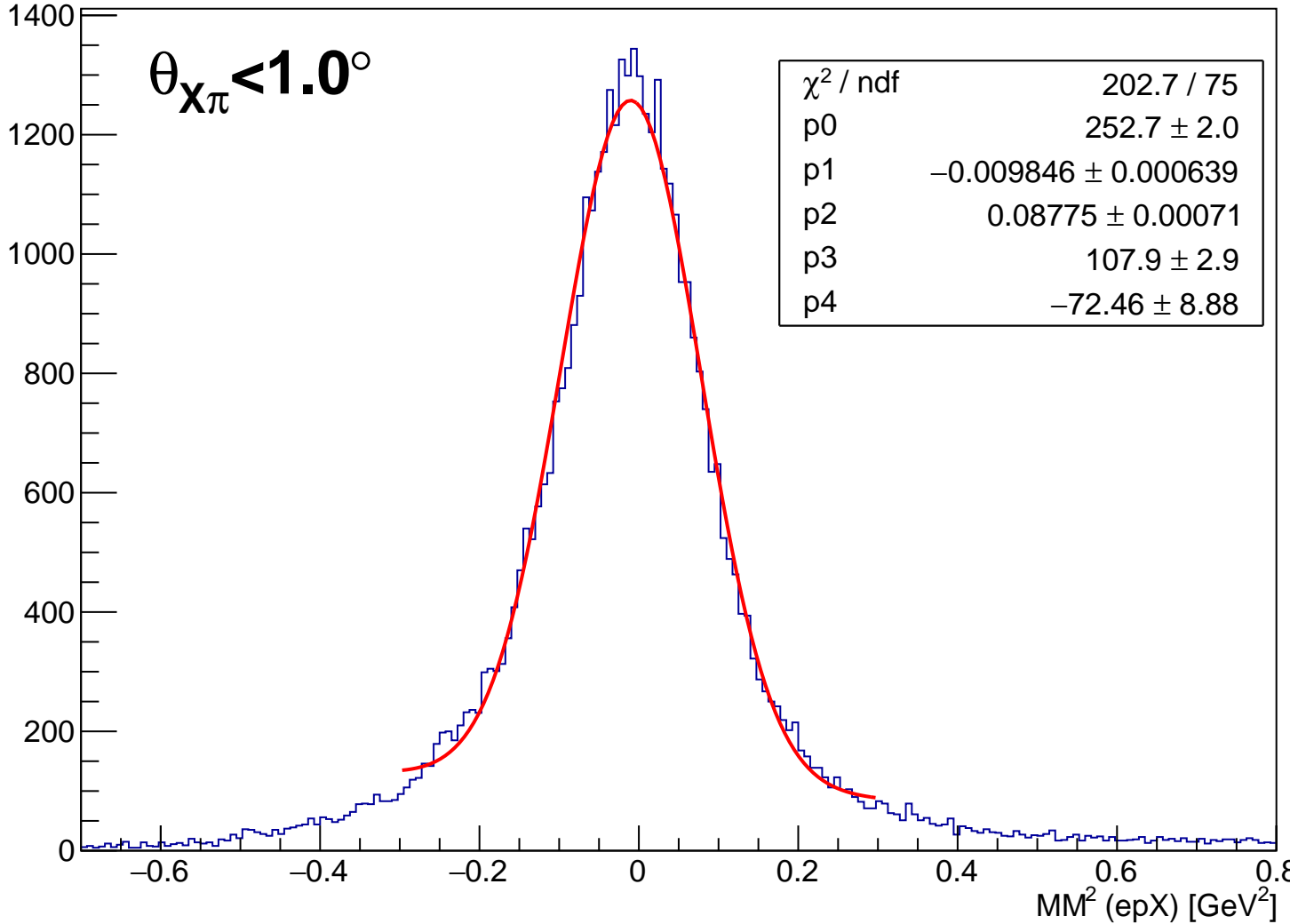
$\theta_{X\pi} < 0.4^\circ$



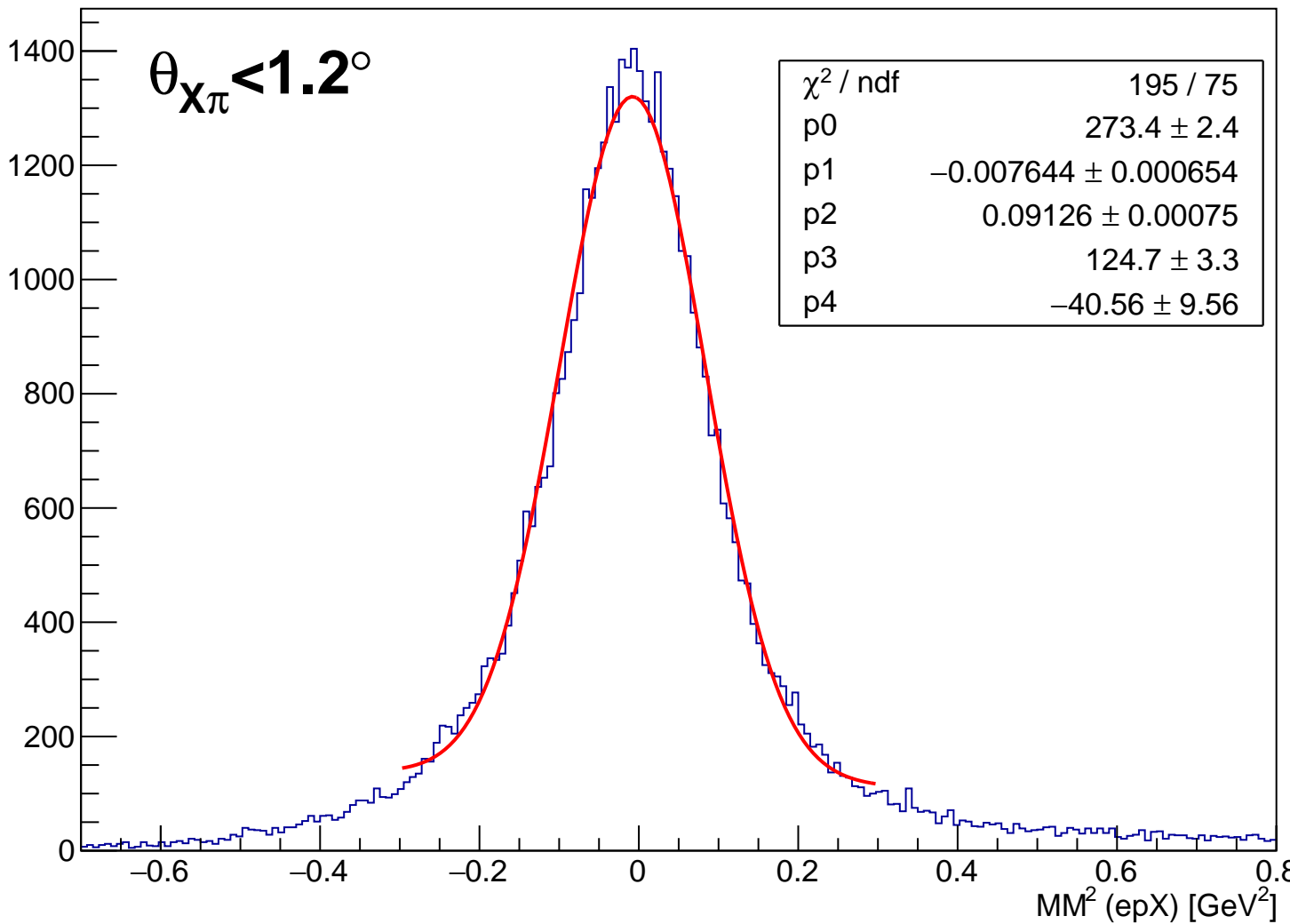


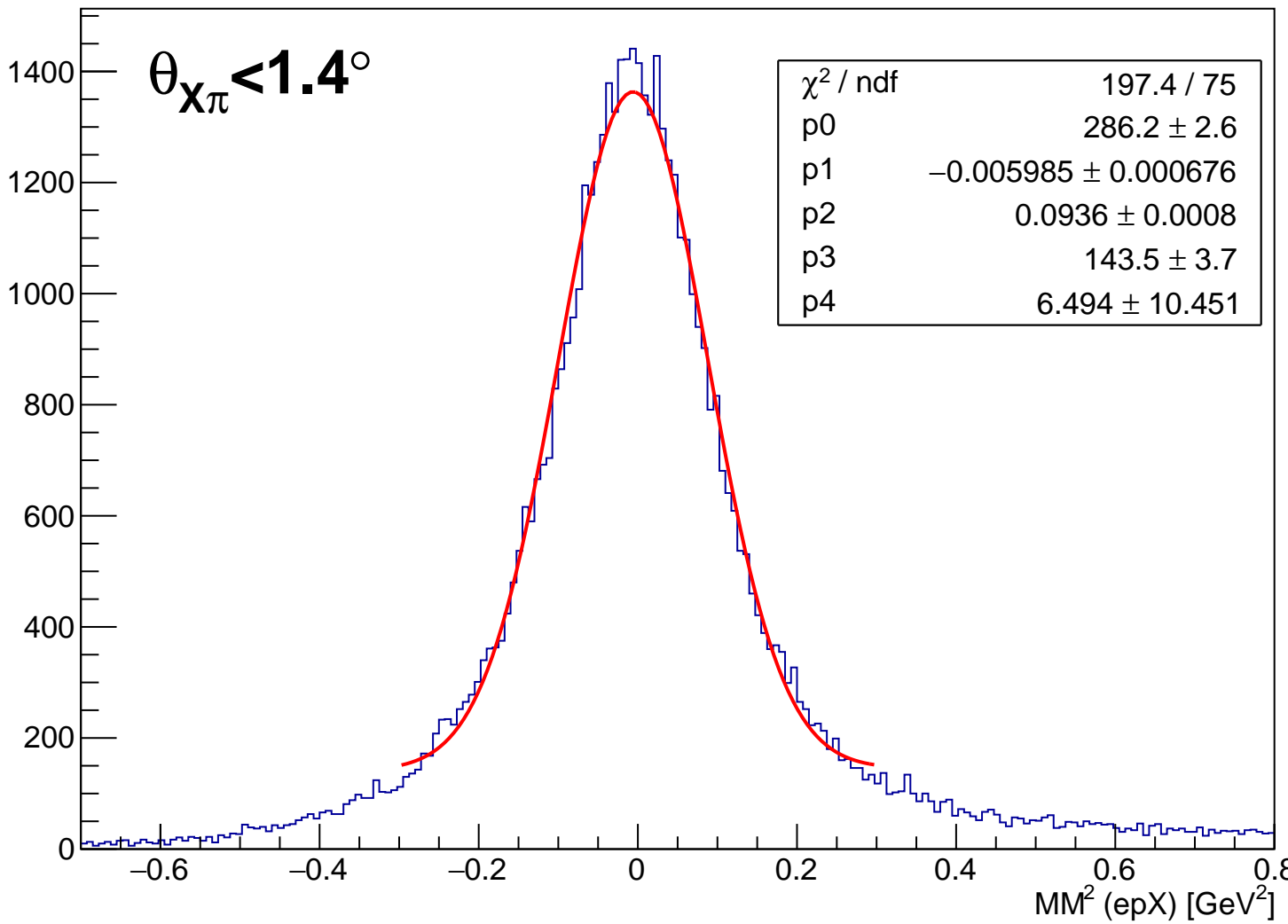


$\theta_{X\pi} < 1.0^\circ$

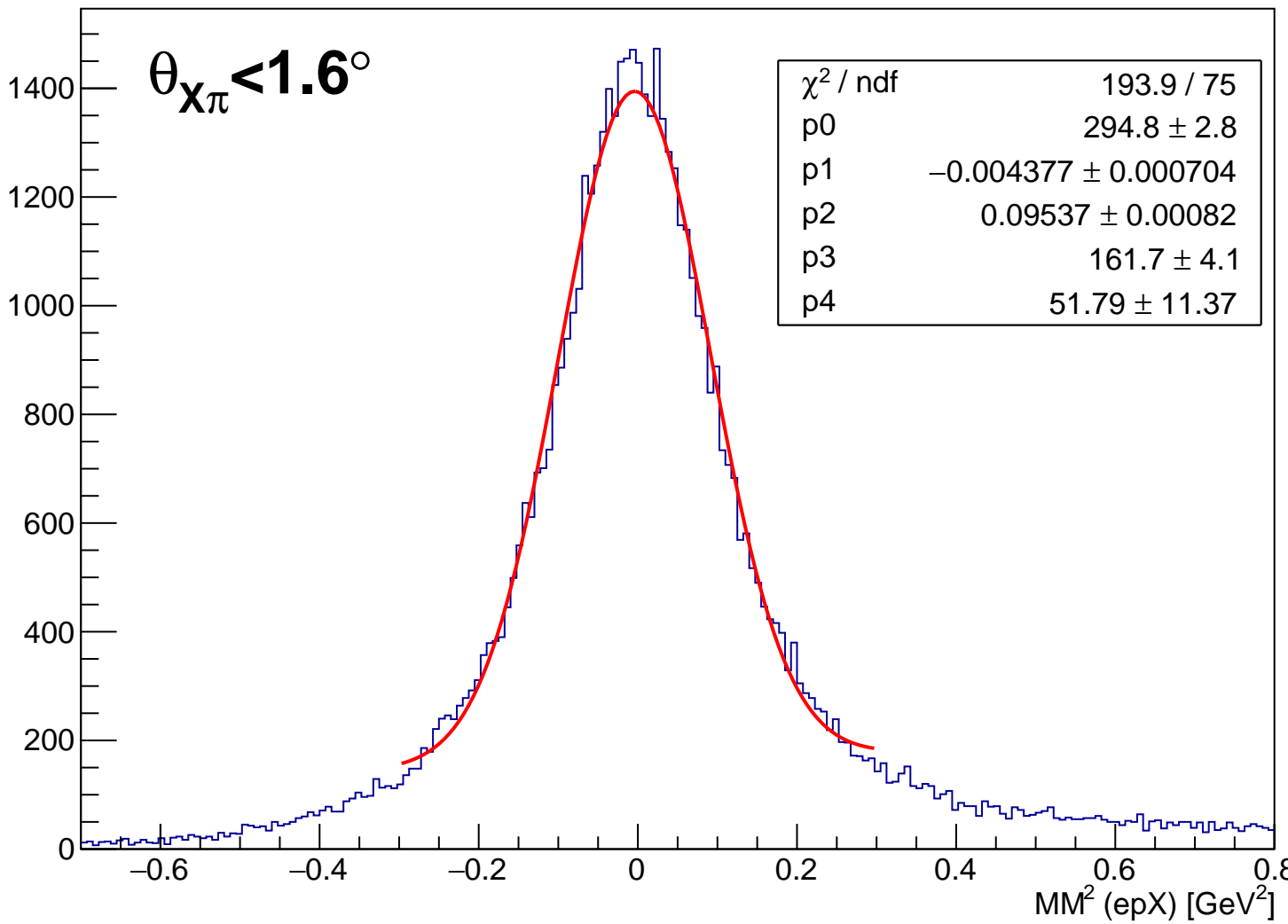


$\theta_{X\pi} < 1.2^\circ$

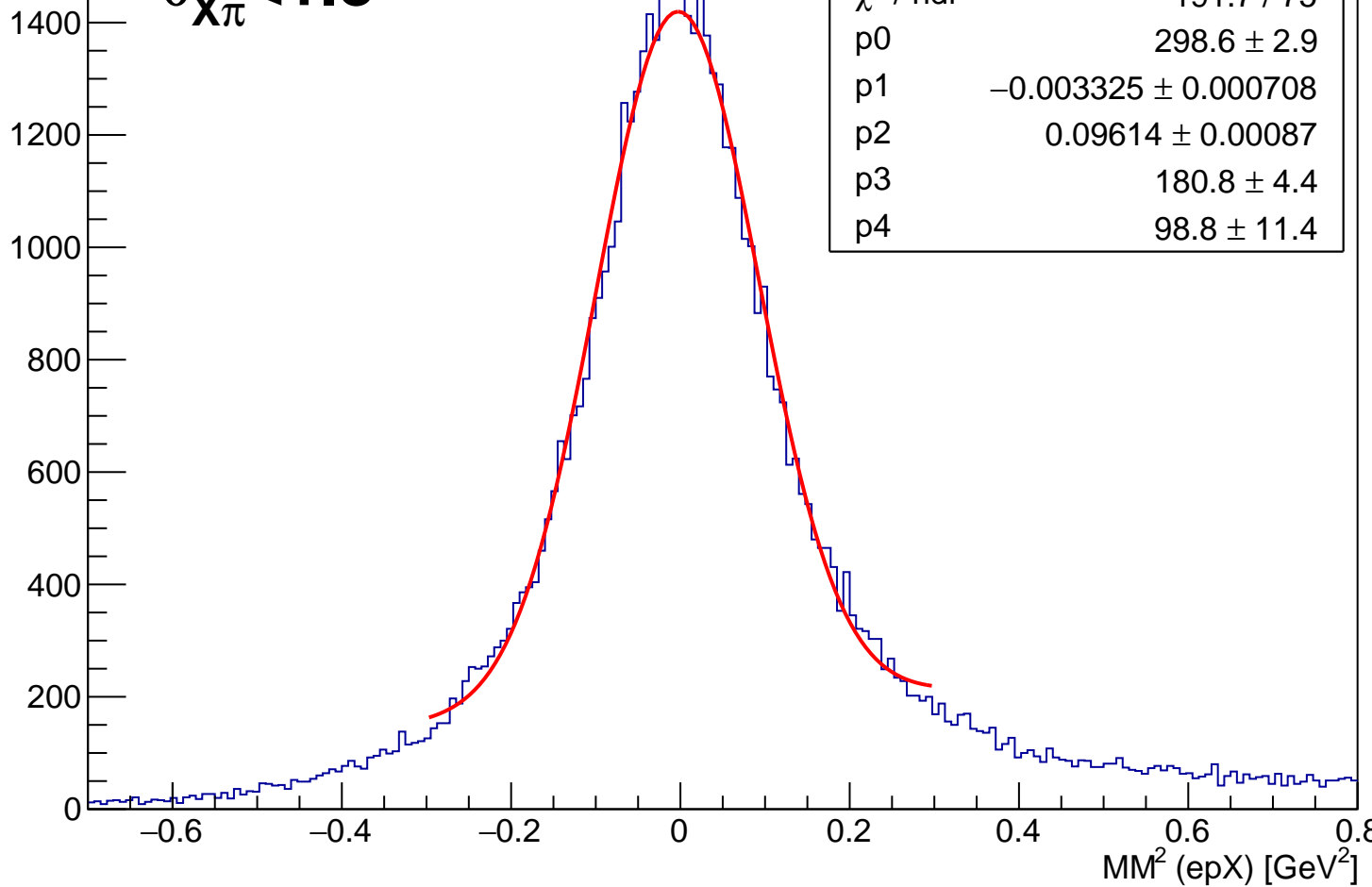




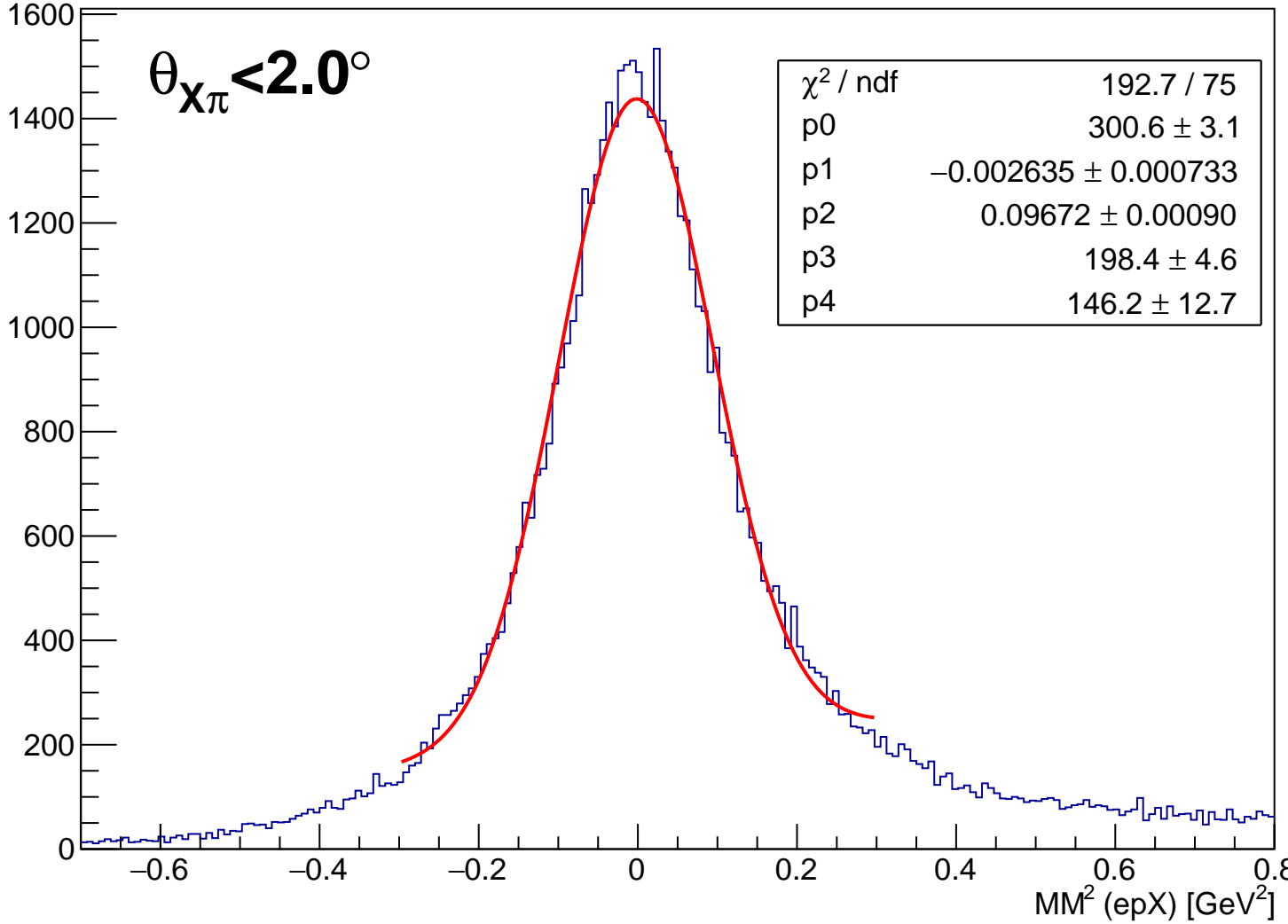




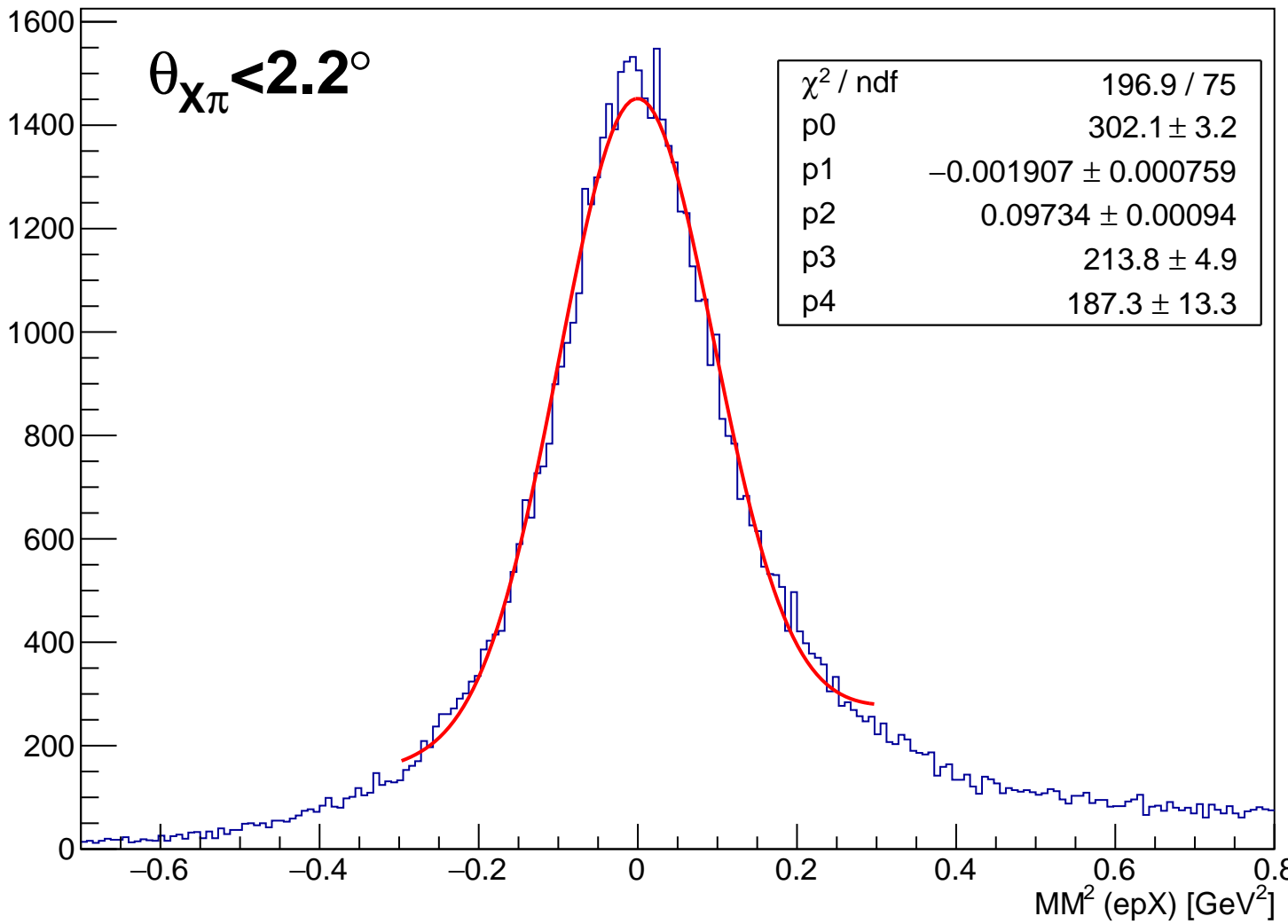
$\theta_{X\pi} < 1.8^\circ$



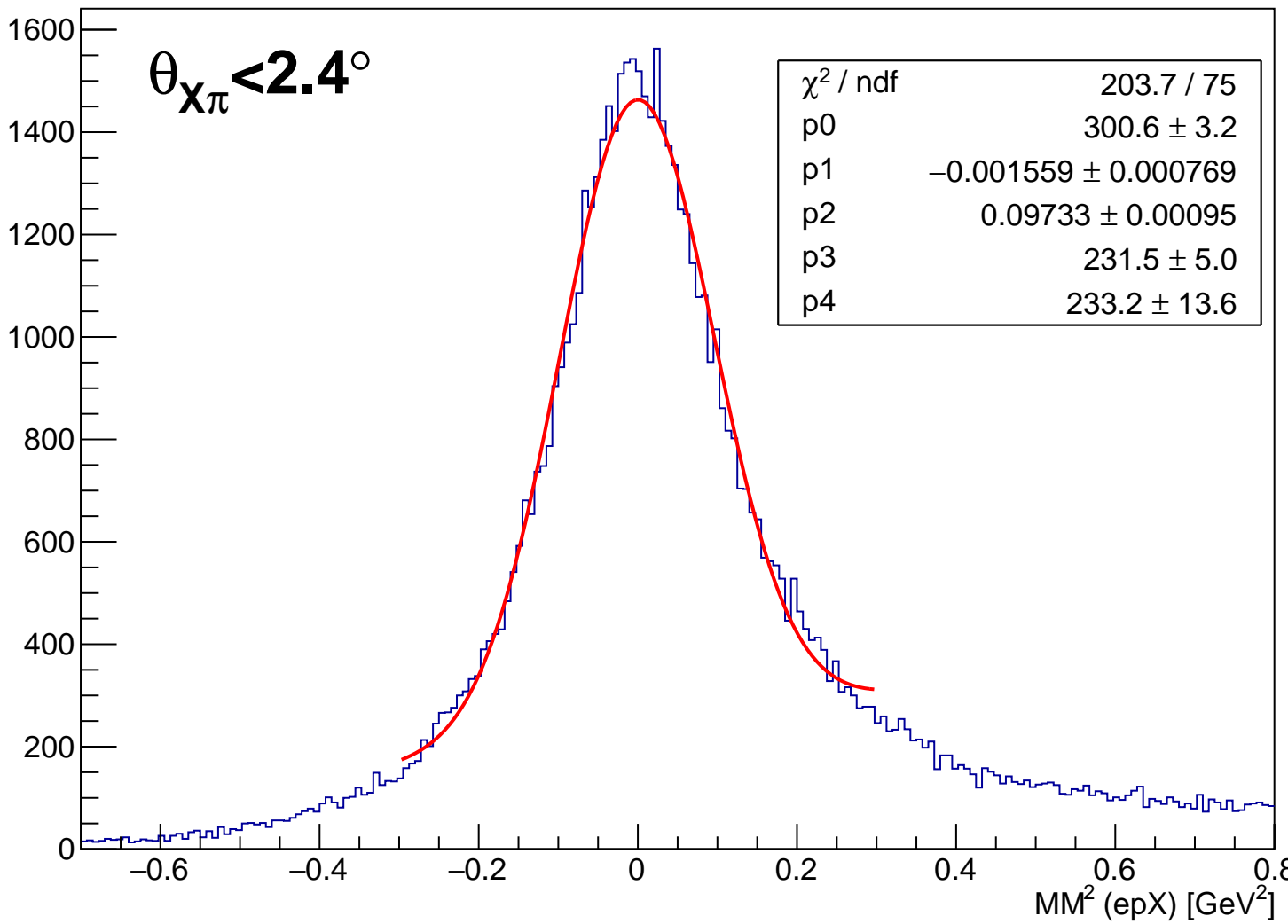
$\theta_{X\pi} < 2.0^\circ$



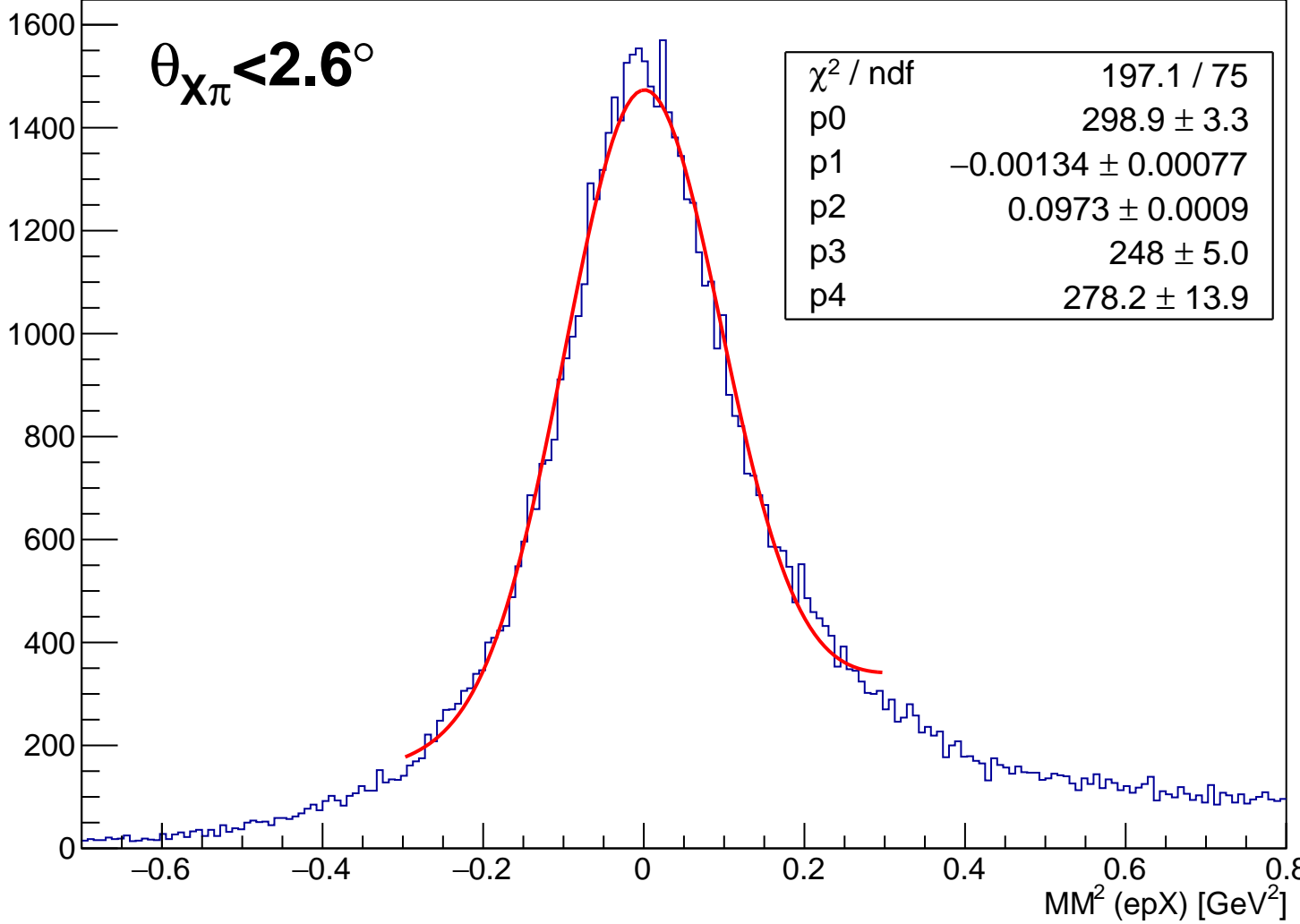
$\theta_{X\pi} < 2.2^\circ$



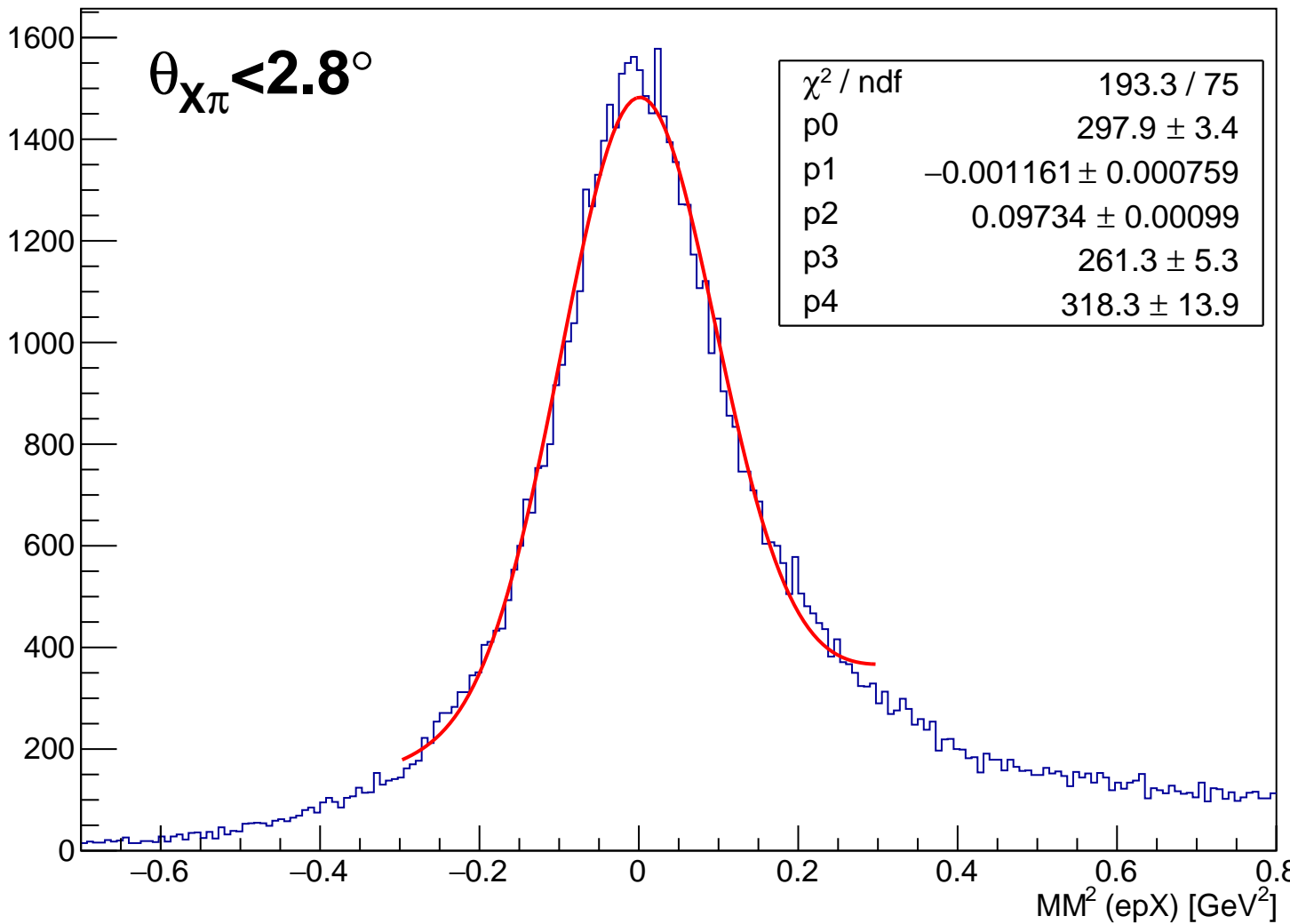
$\theta_{X\pi} < 2.4^\circ$



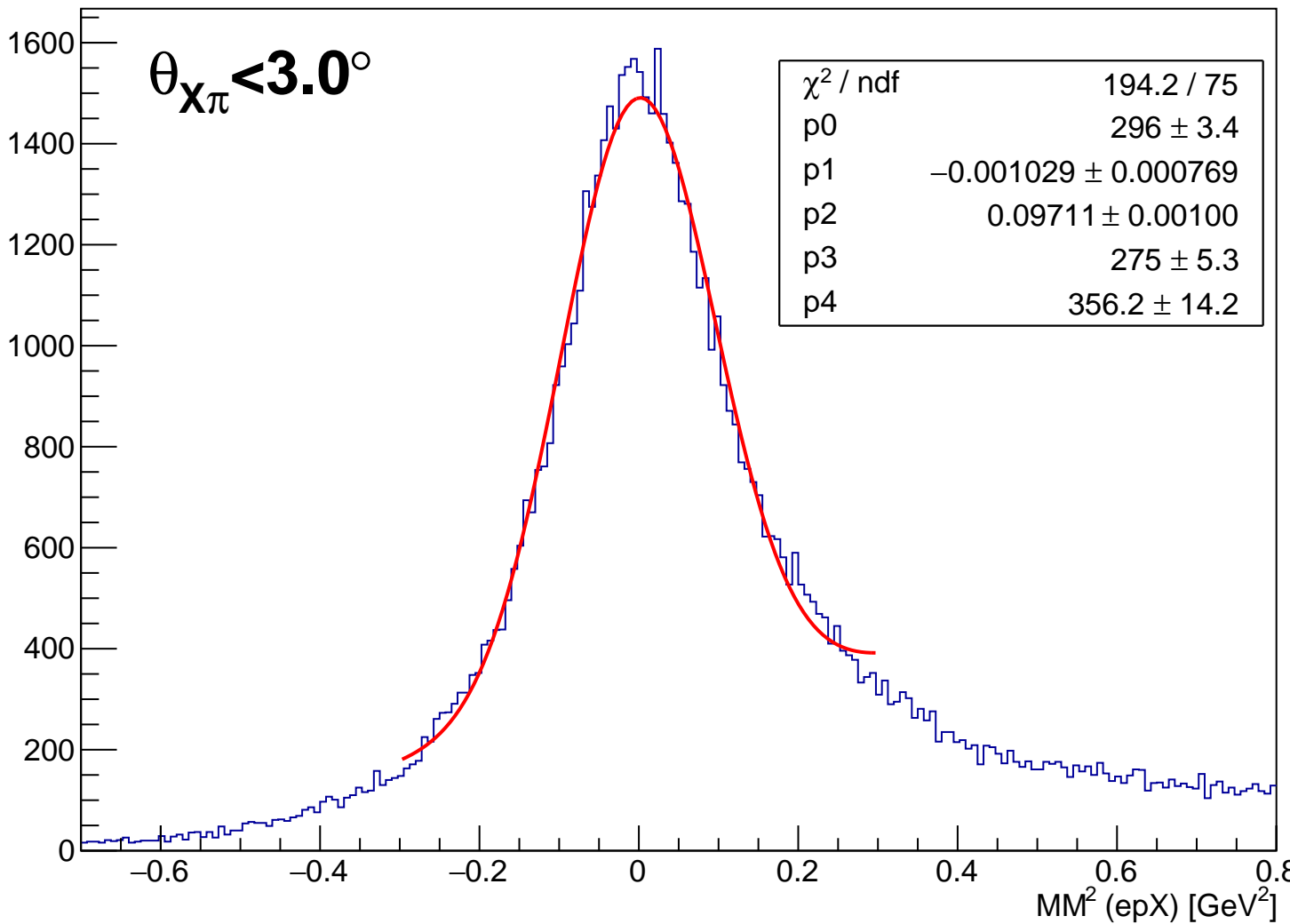
$\theta_{X\pi} < 2.6^\circ$



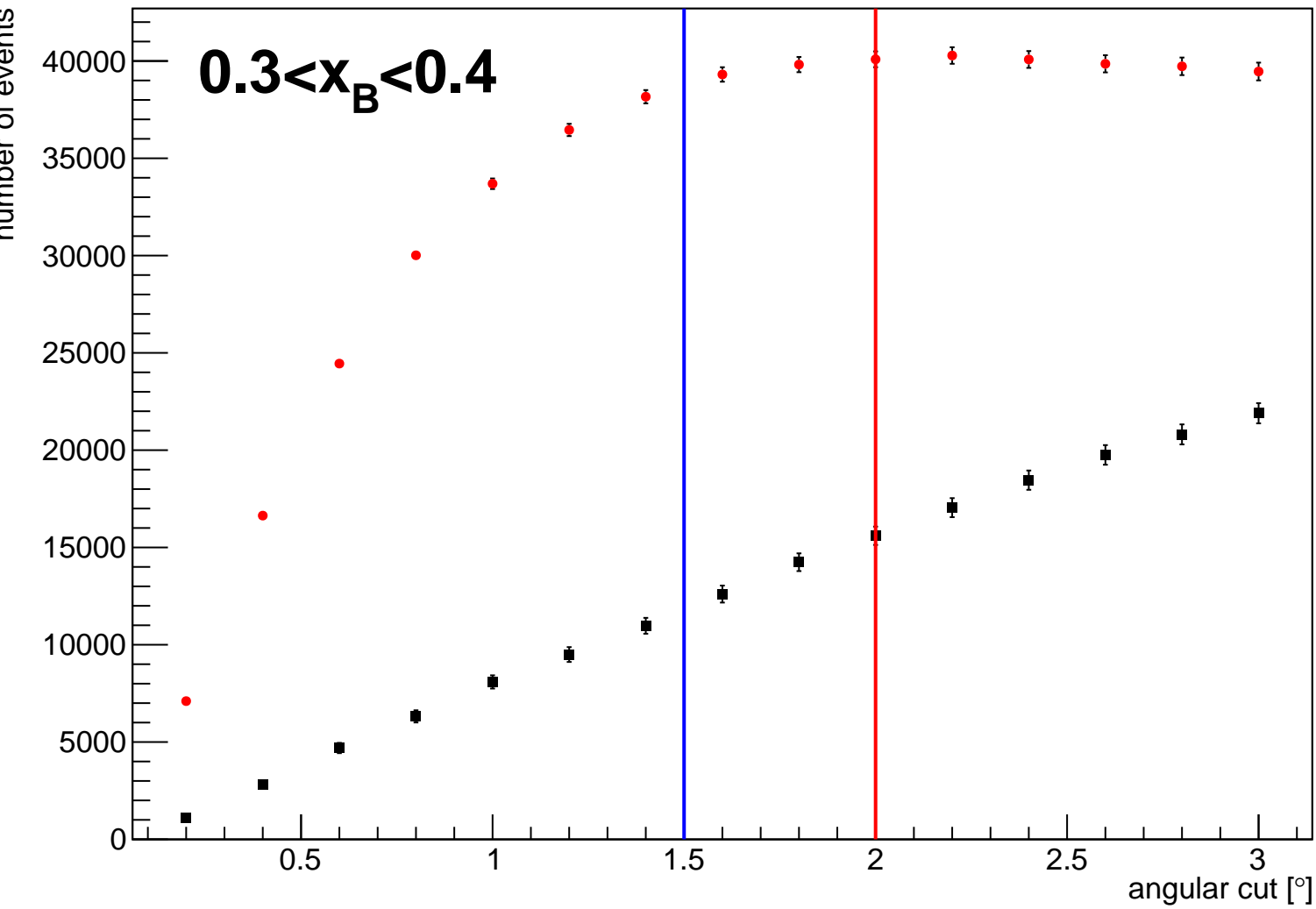
$\theta_{X\pi} < 2.8^\circ$



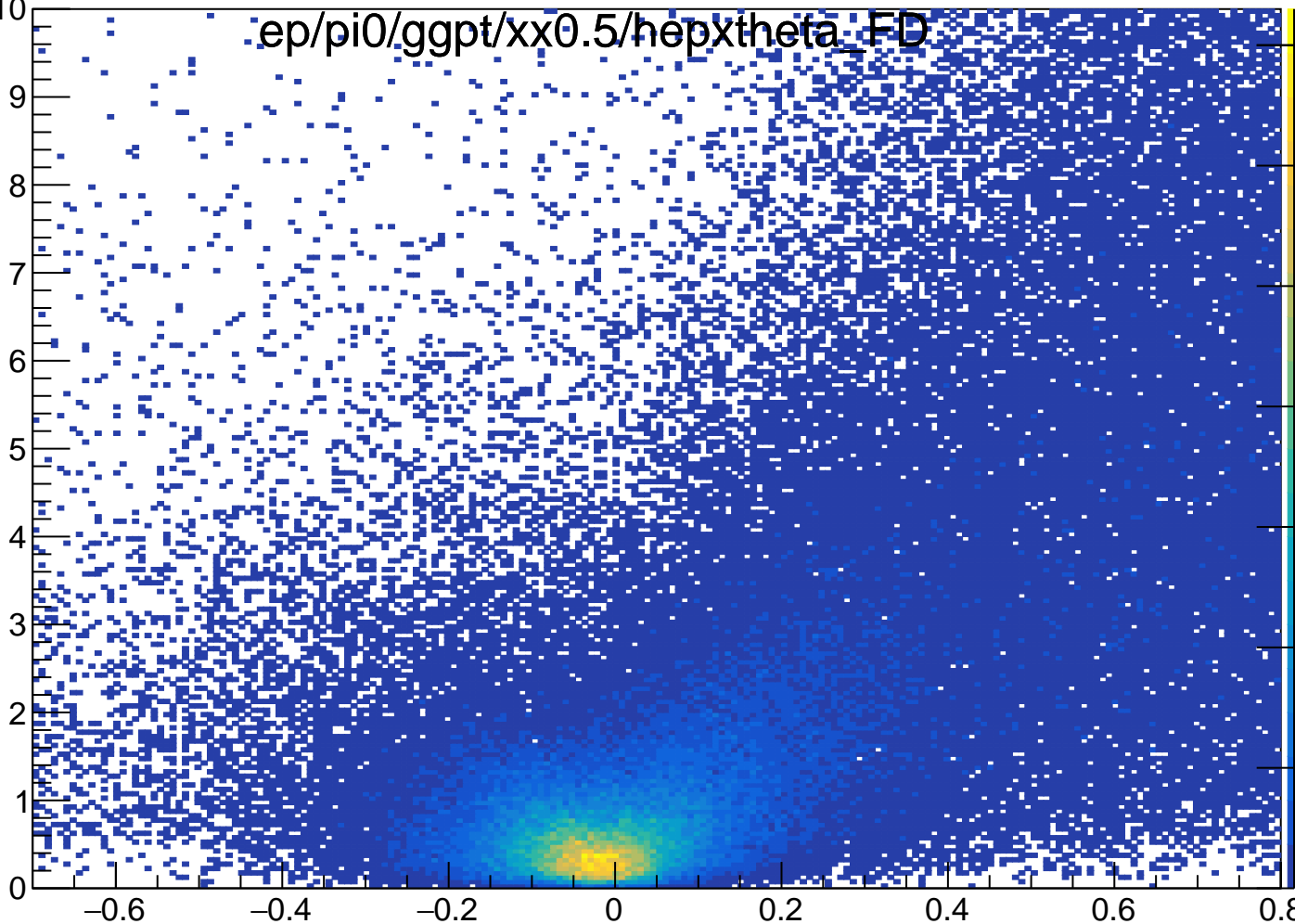
$\theta_{X\pi} < 3.0^\circ$



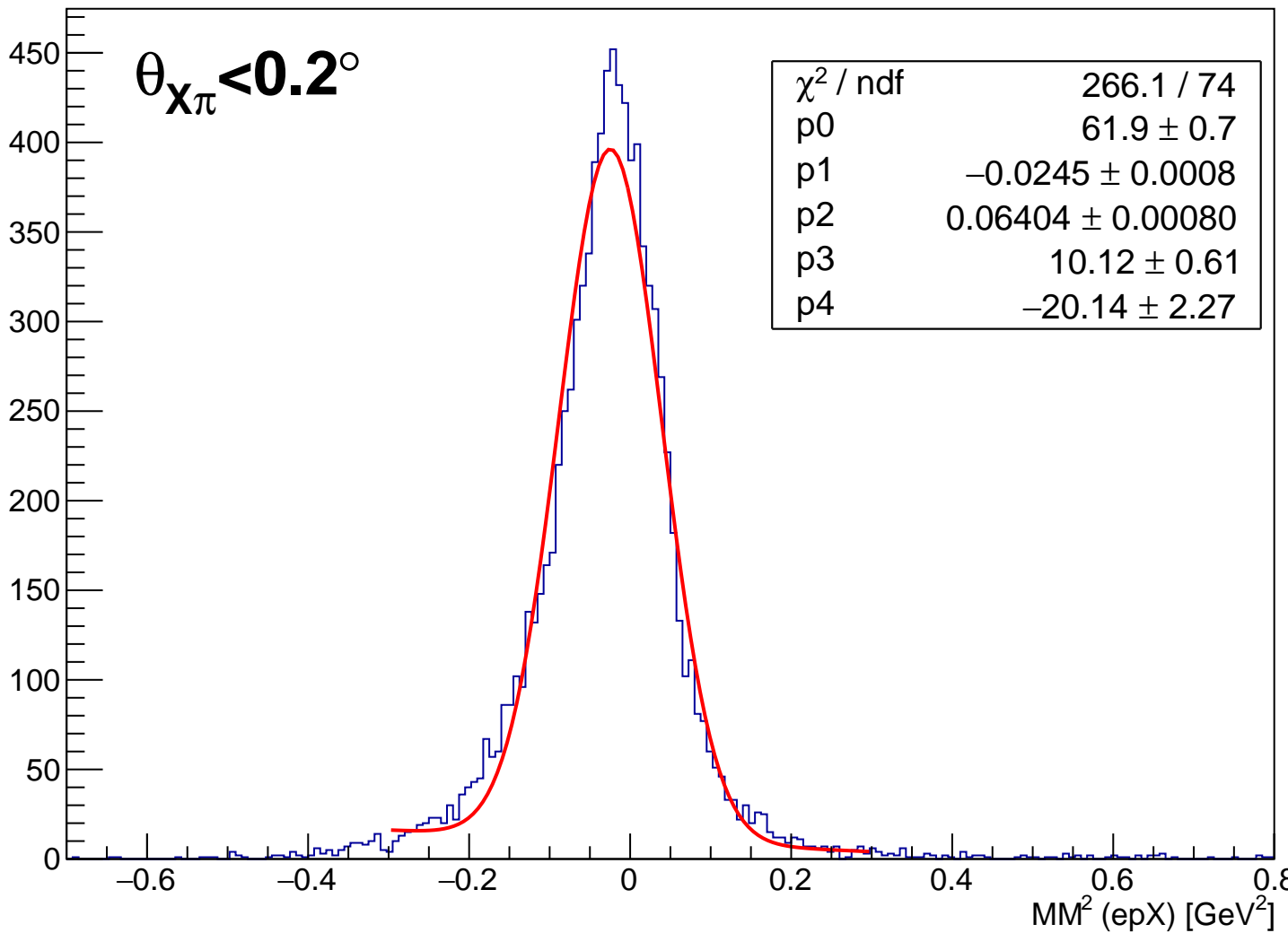




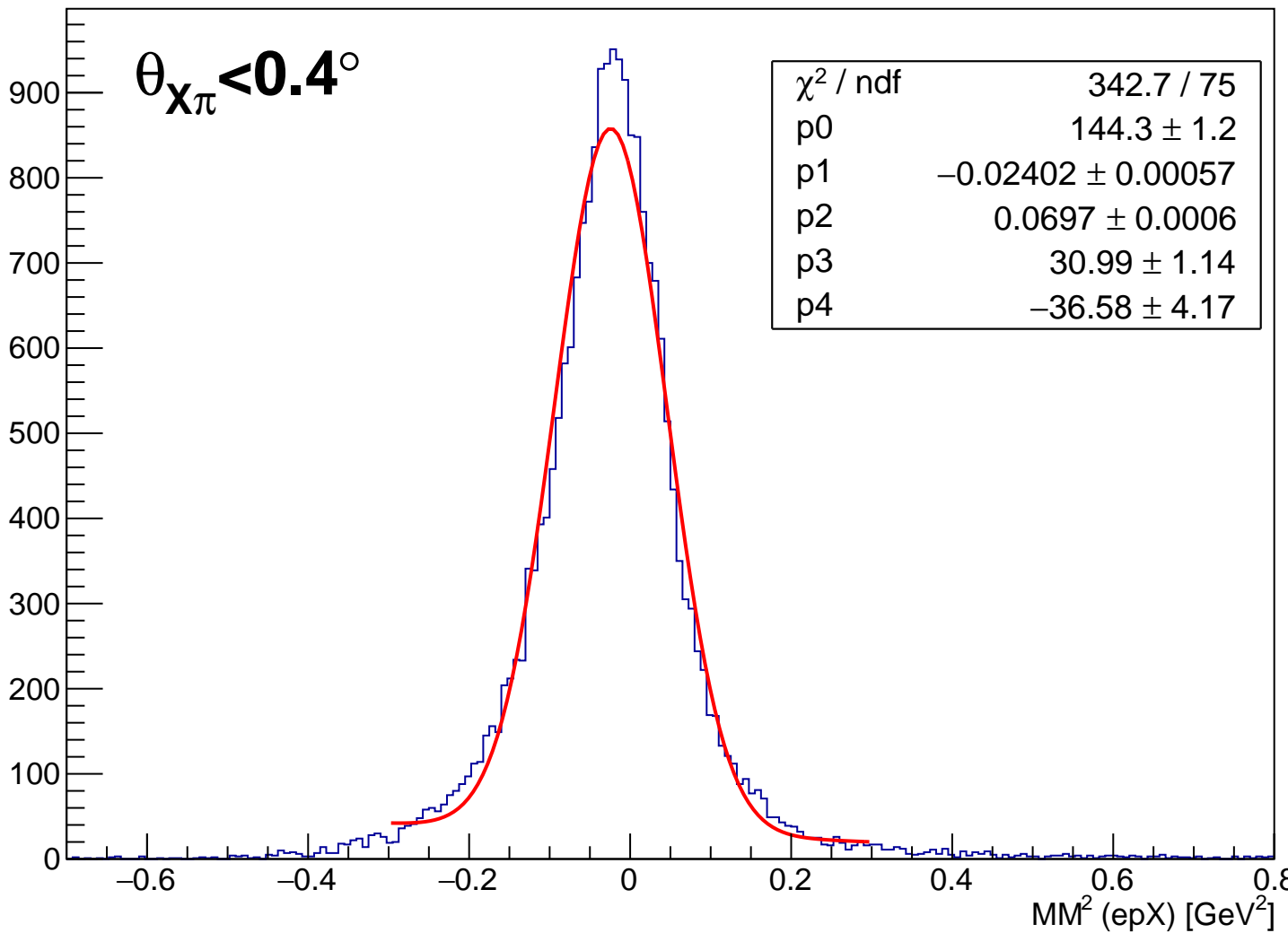
ep/pi0/ggpt/xx0.5/hepxtheta\_FD



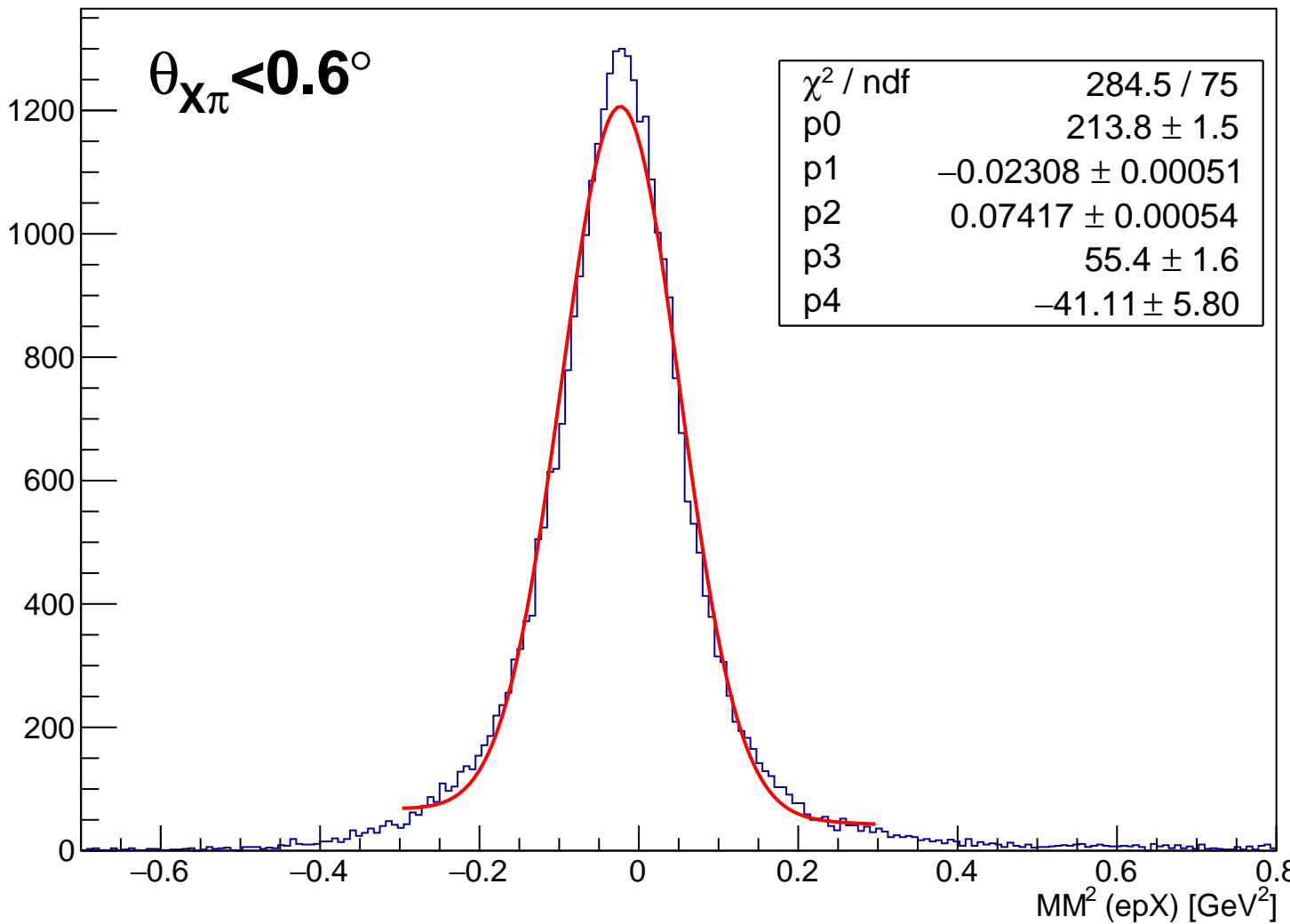
$\theta_{X\pi} < 0.2^\circ$



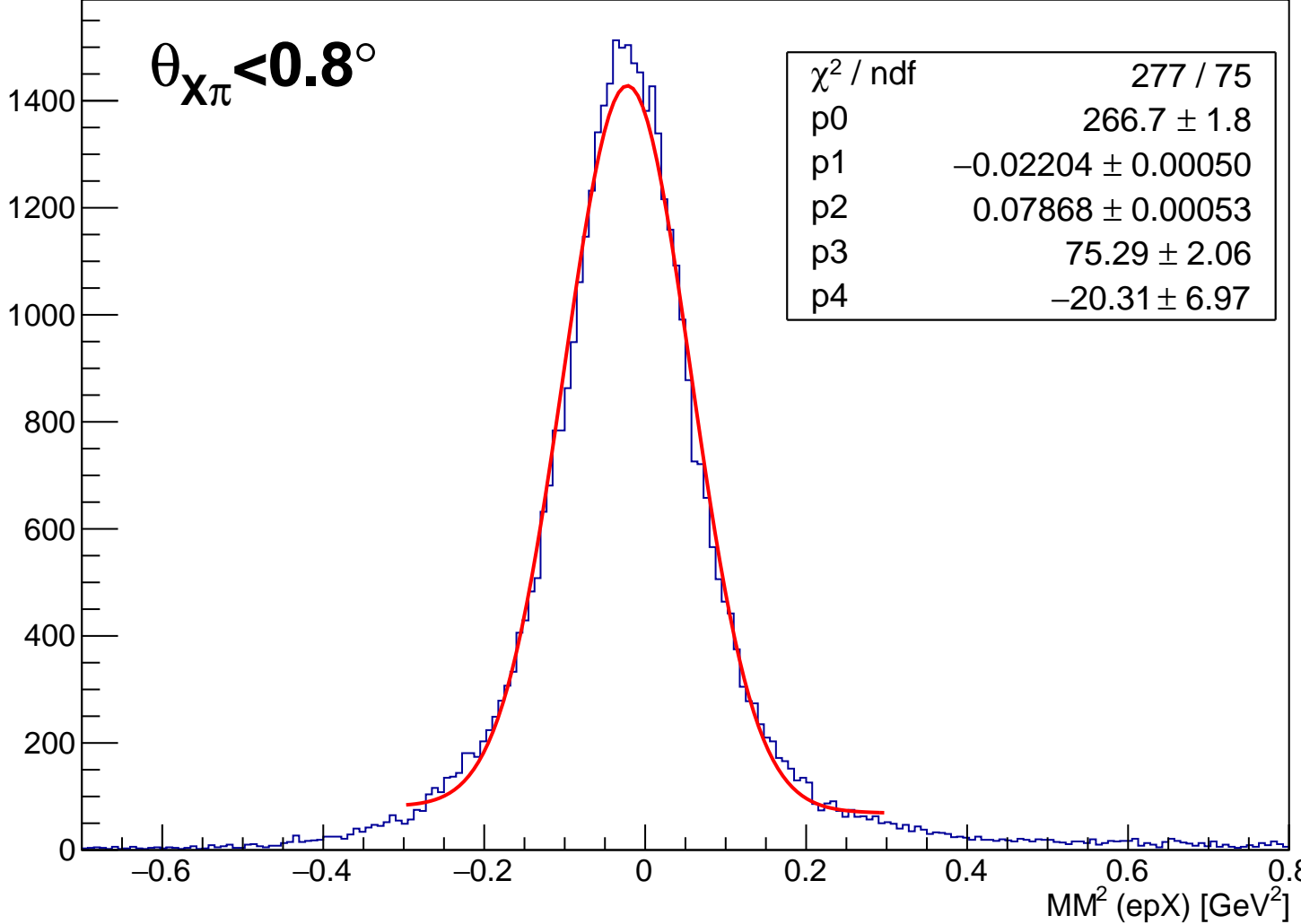
$\theta_{X\pi} < 0.4^\circ$

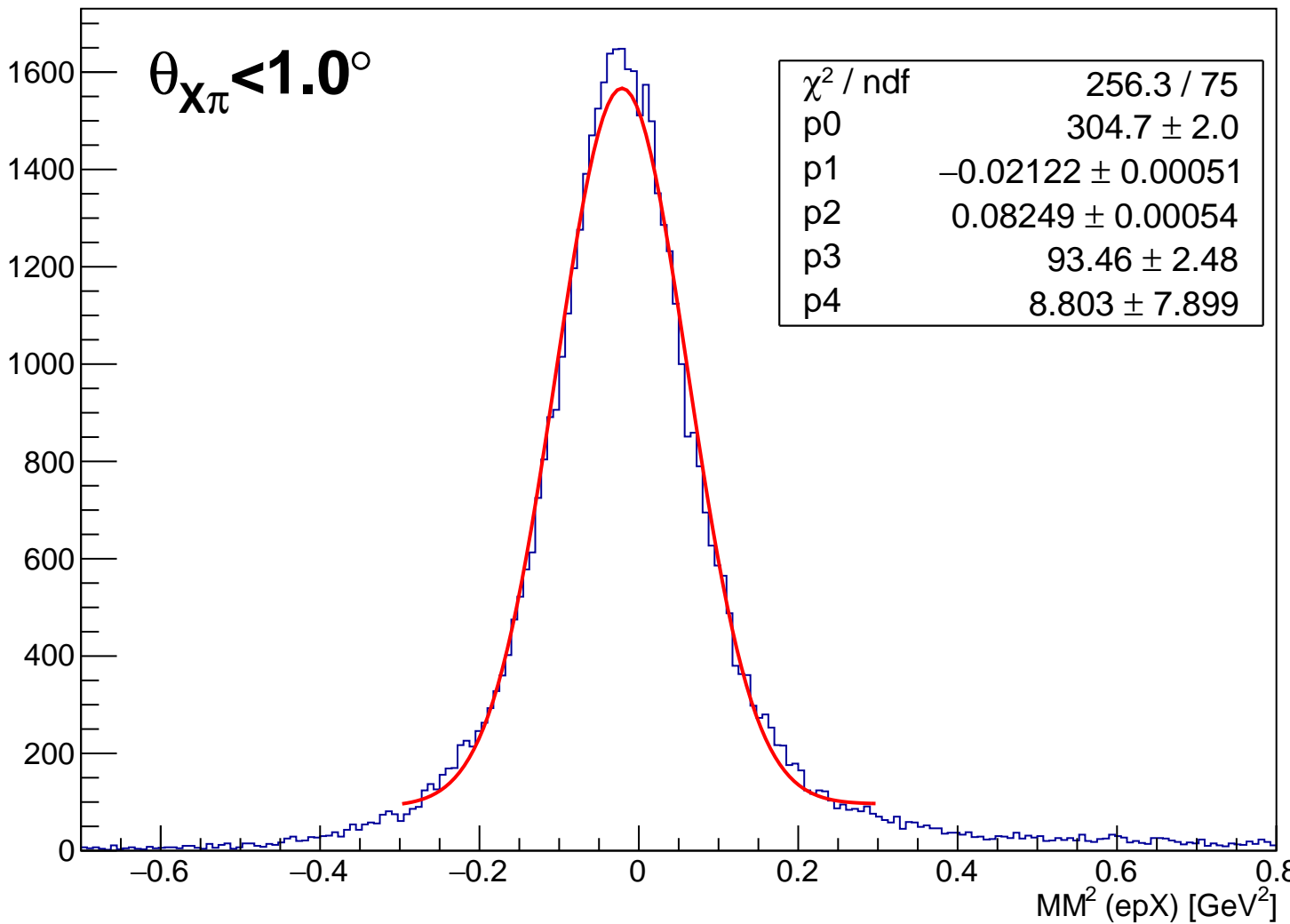


$\theta_{X\pi} < 0.6^\circ$

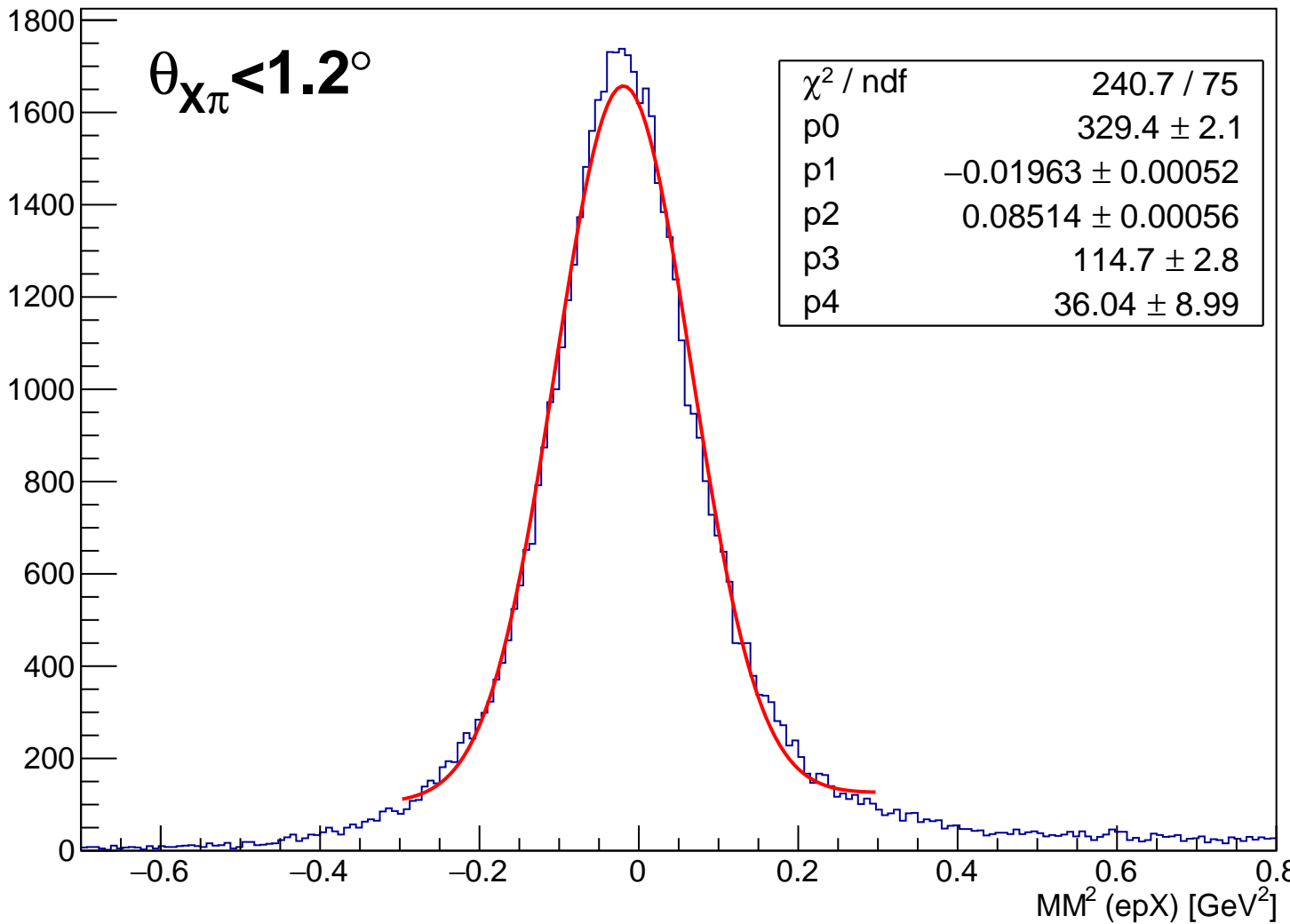


$\theta_{X\pi} < 0.8^\circ$



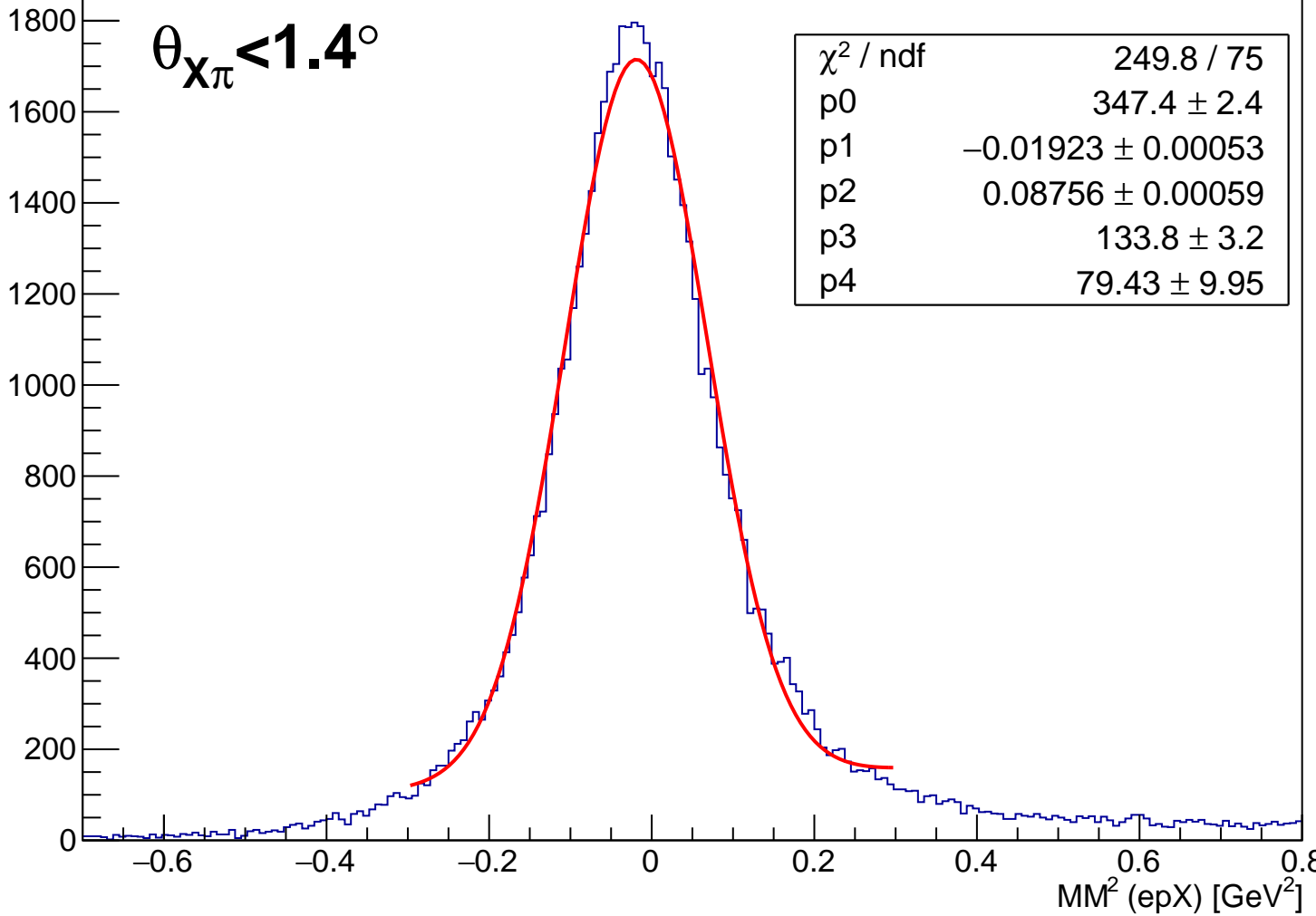


$\theta_{X\pi} < 1.2^\circ$

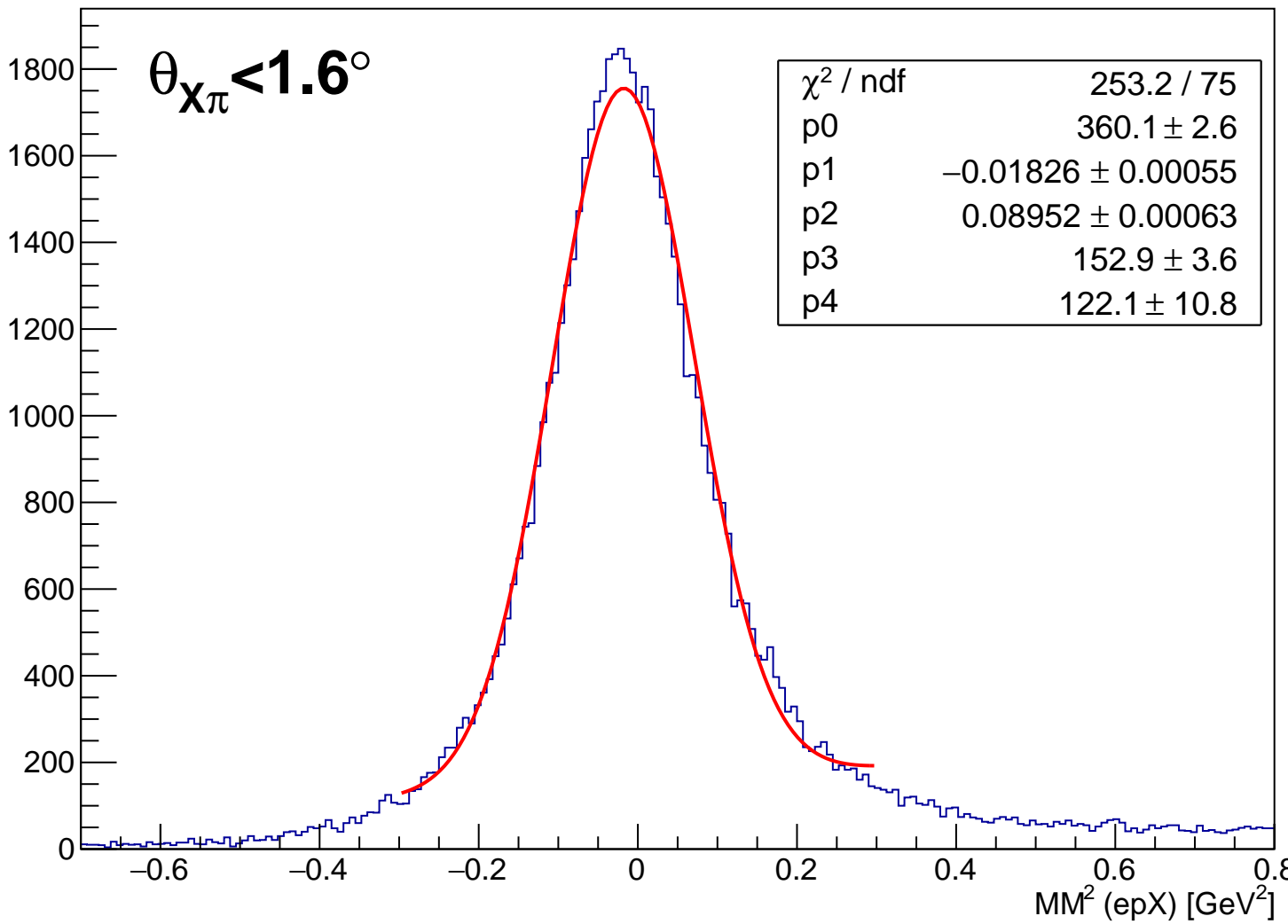




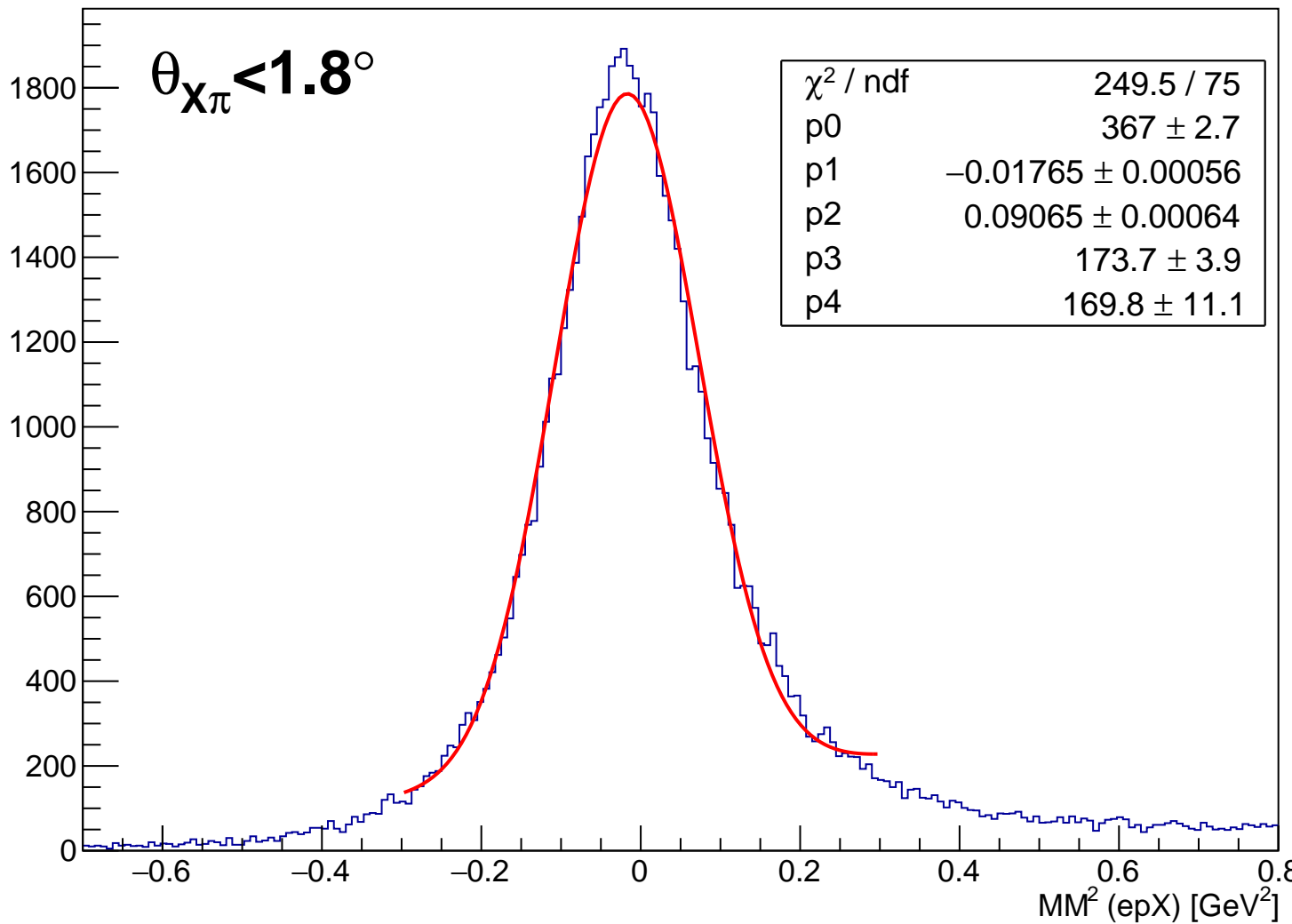
$\theta_{X\pi} < 1.4^\circ$



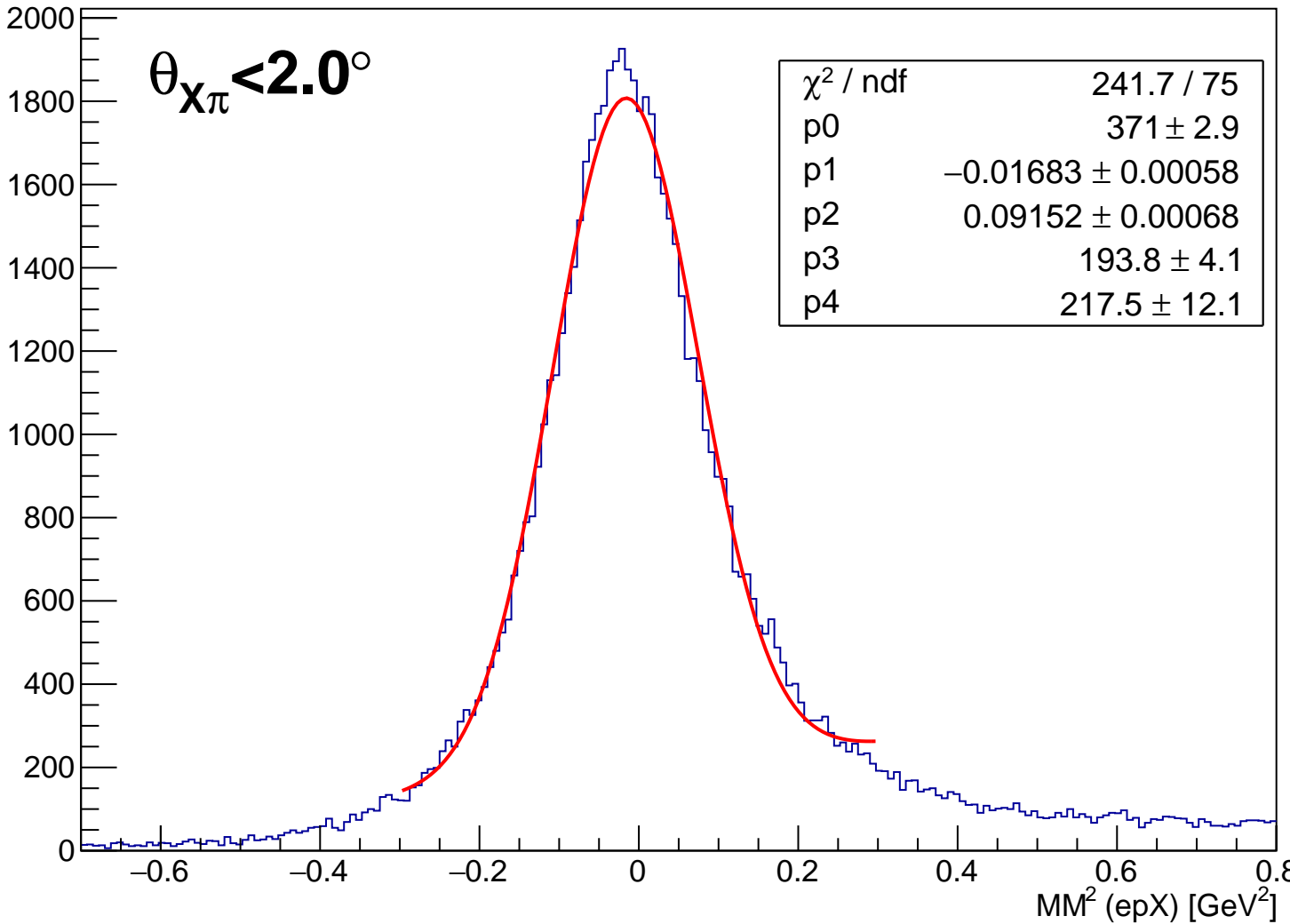
$\theta_{X\pi} < 1.6^\circ$



$\theta_{X\pi} < 1.8^\circ$

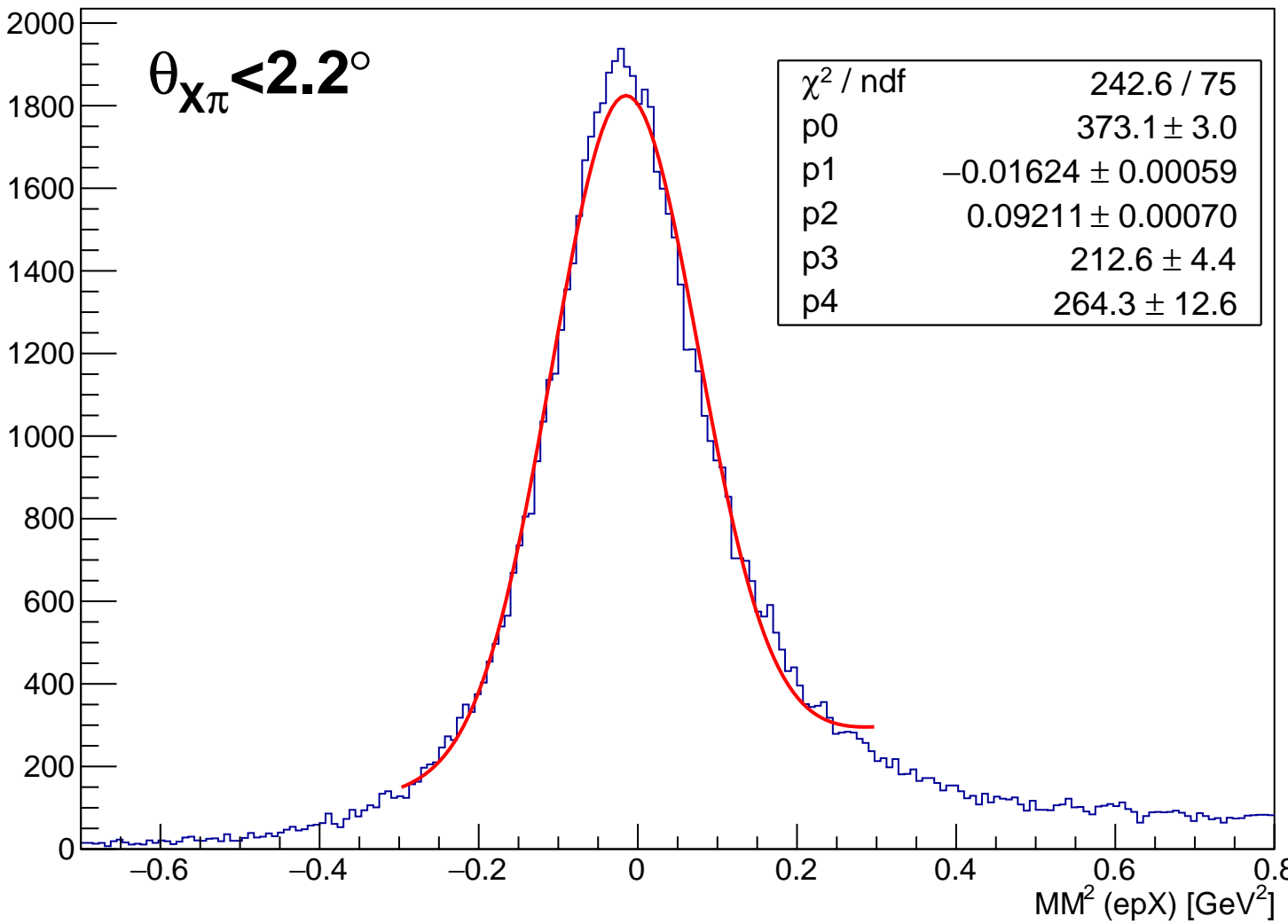


$\theta_{X\pi} < 2.0^\circ$



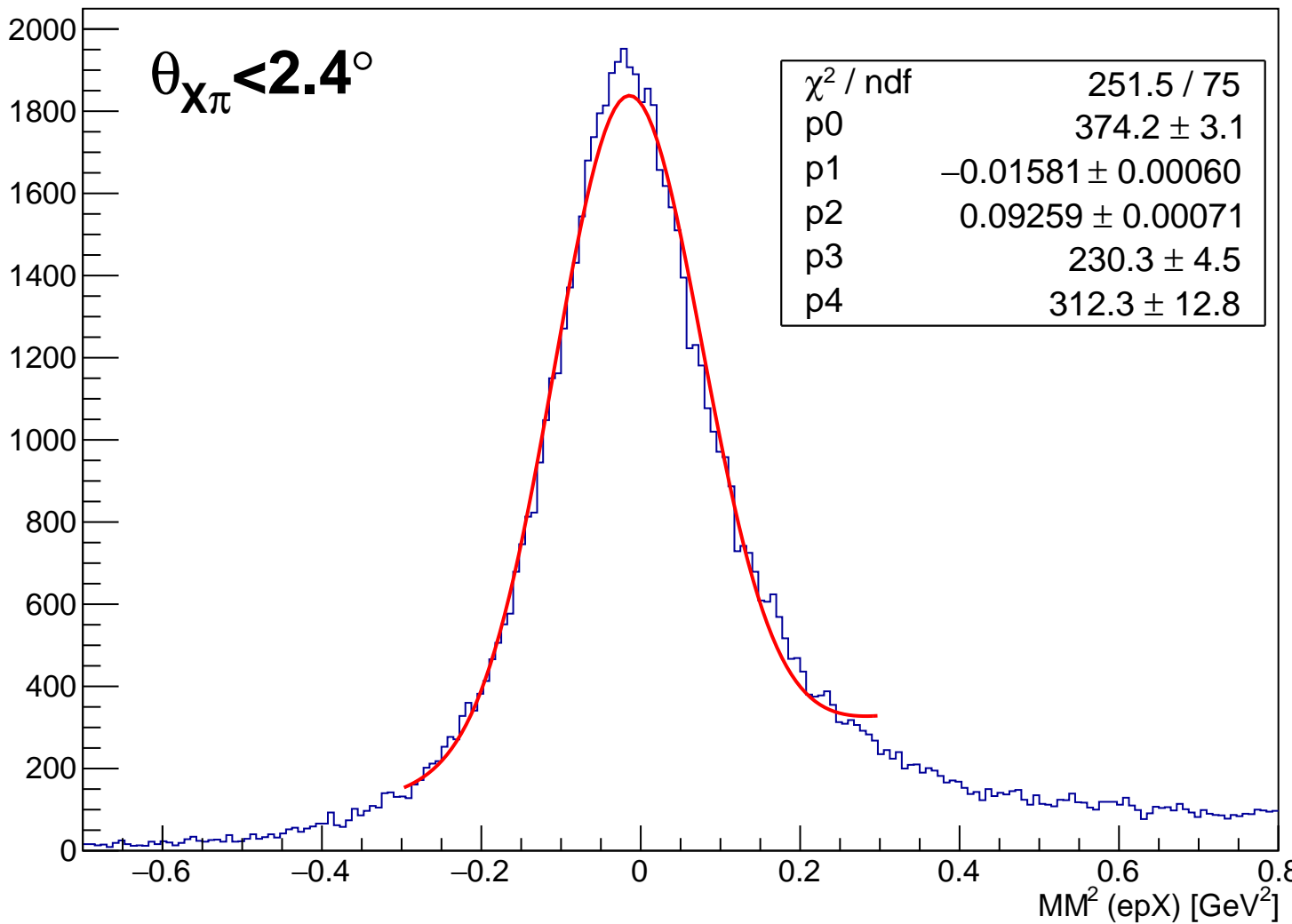
$\theta_{X\pi} < 2.2^\circ$

$\chi^2 / \text{ndf}$	242.6 / 75
p0	$373.1 \pm 3.0$
p1	$-0.01624 \pm 0.00059$
p2	$0.09211 \pm 0.00070$
p3	$212.6 \pm 4.4$
p4	$264.3 \pm 12.6$



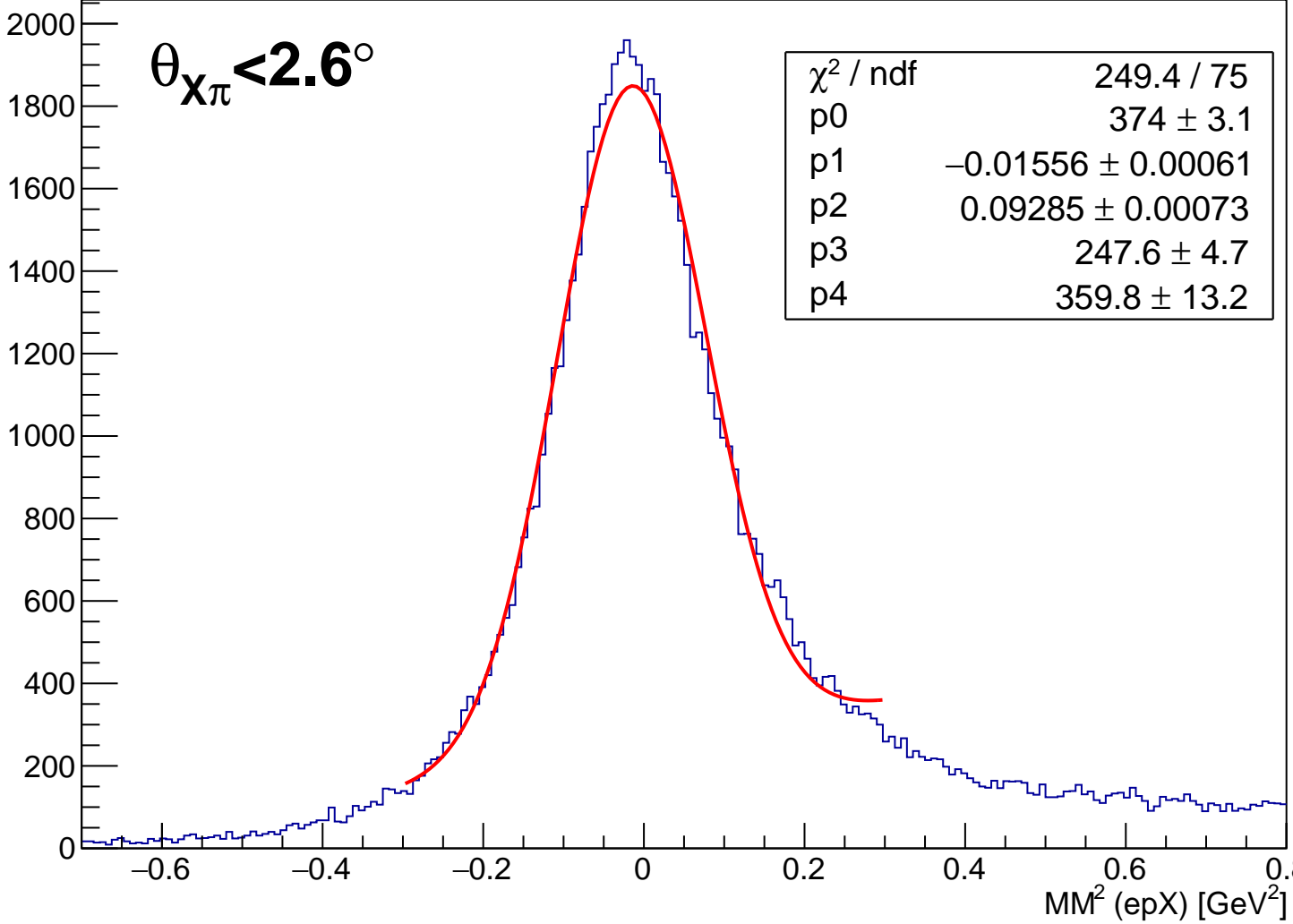
$\theta_{\chi\pi} < 2.4^\circ$

$\chi^2 / \text{ndf}$	251.5 / 75
p0	$374.2 \pm 3.1$
p1	$-0.01581 \pm 0.00060$
p2	$0.09259 \pm 0.00071$
p3	$230.3 \pm 4.5$
p4	$312.3 \pm 12.8$



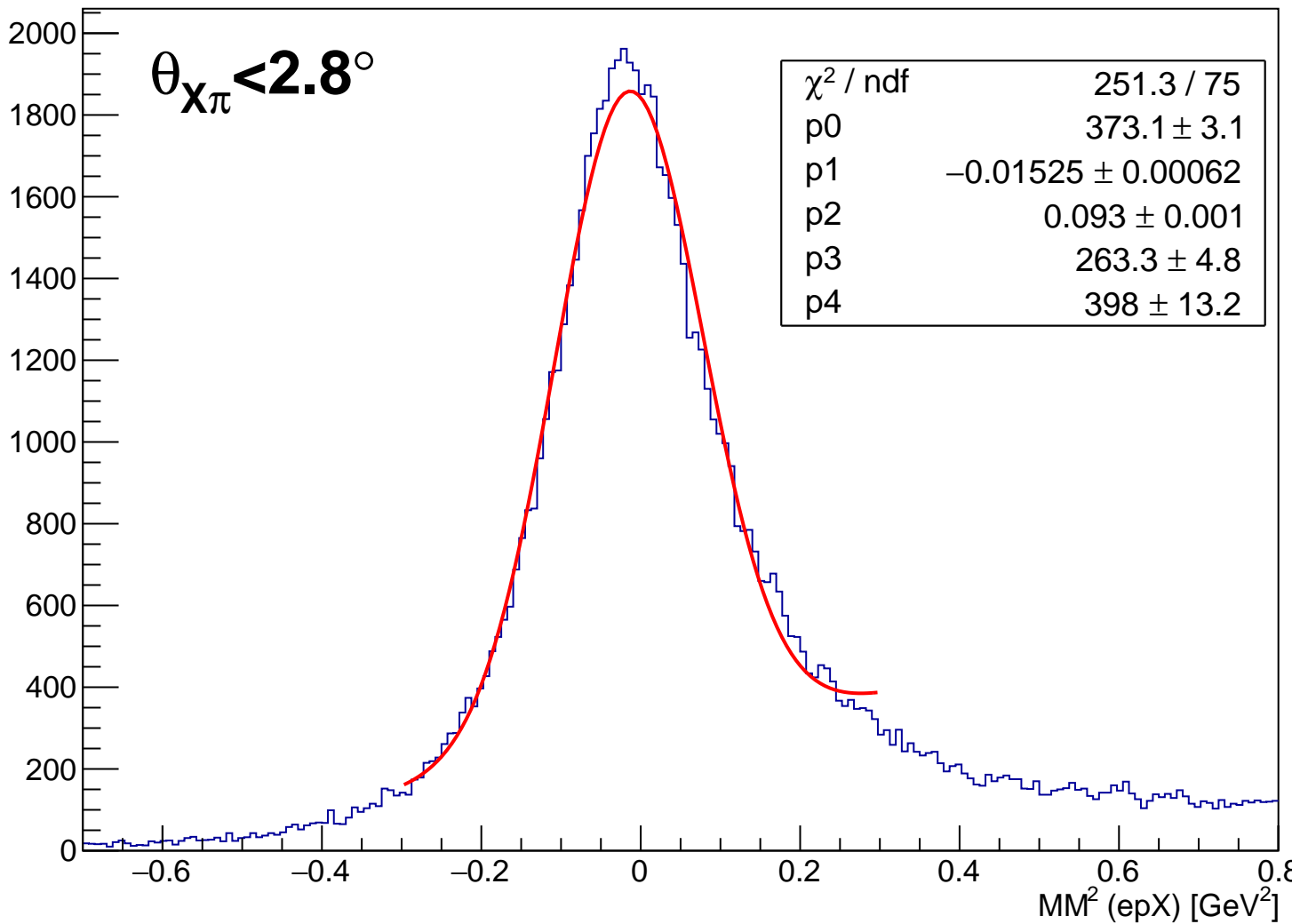
$\theta_{X\pi} < 2.6^\circ$

$\chi^2 / \text{ndf}$	249.4 / 75
p0	$374 \pm 3.1$
p1	$-0.01556 \pm 0.00061$
p2	$0.09285 \pm 0.00073$
p3	$247.6 \pm 4.7$
p4	$359.8 \pm 13.2$



$\theta_{X\pi} < 2.8^\circ$

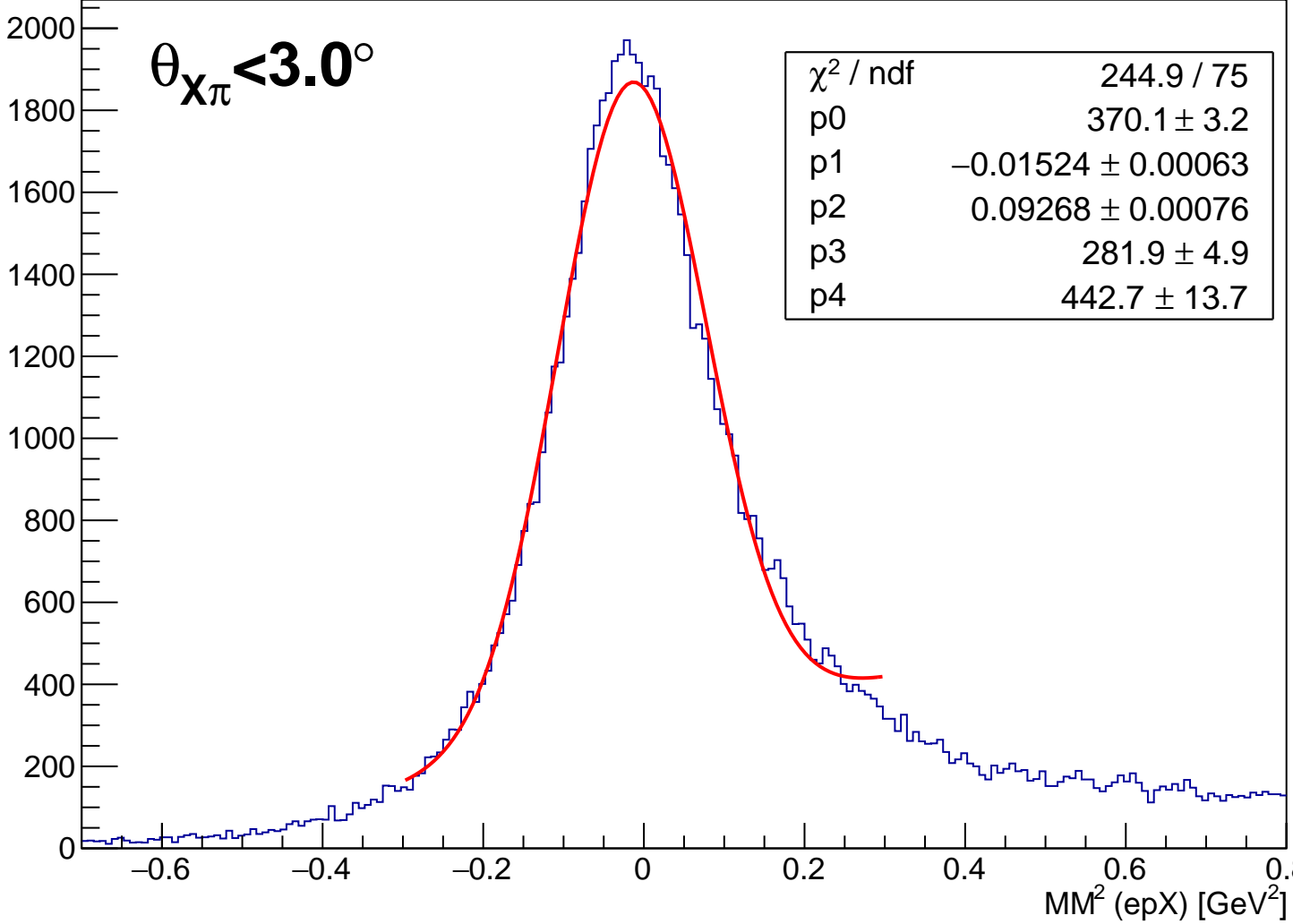
$\chi^2 / \text{ndf}$	251.3 / 75
p0	$373.1 \pm 3.1$
p1	$-0.01525 \pm 0.00062$
p2	$0.093 \pm 0.001$
p3	$263.3 \pm 4.8$
p4	$398 \pm 13.2$

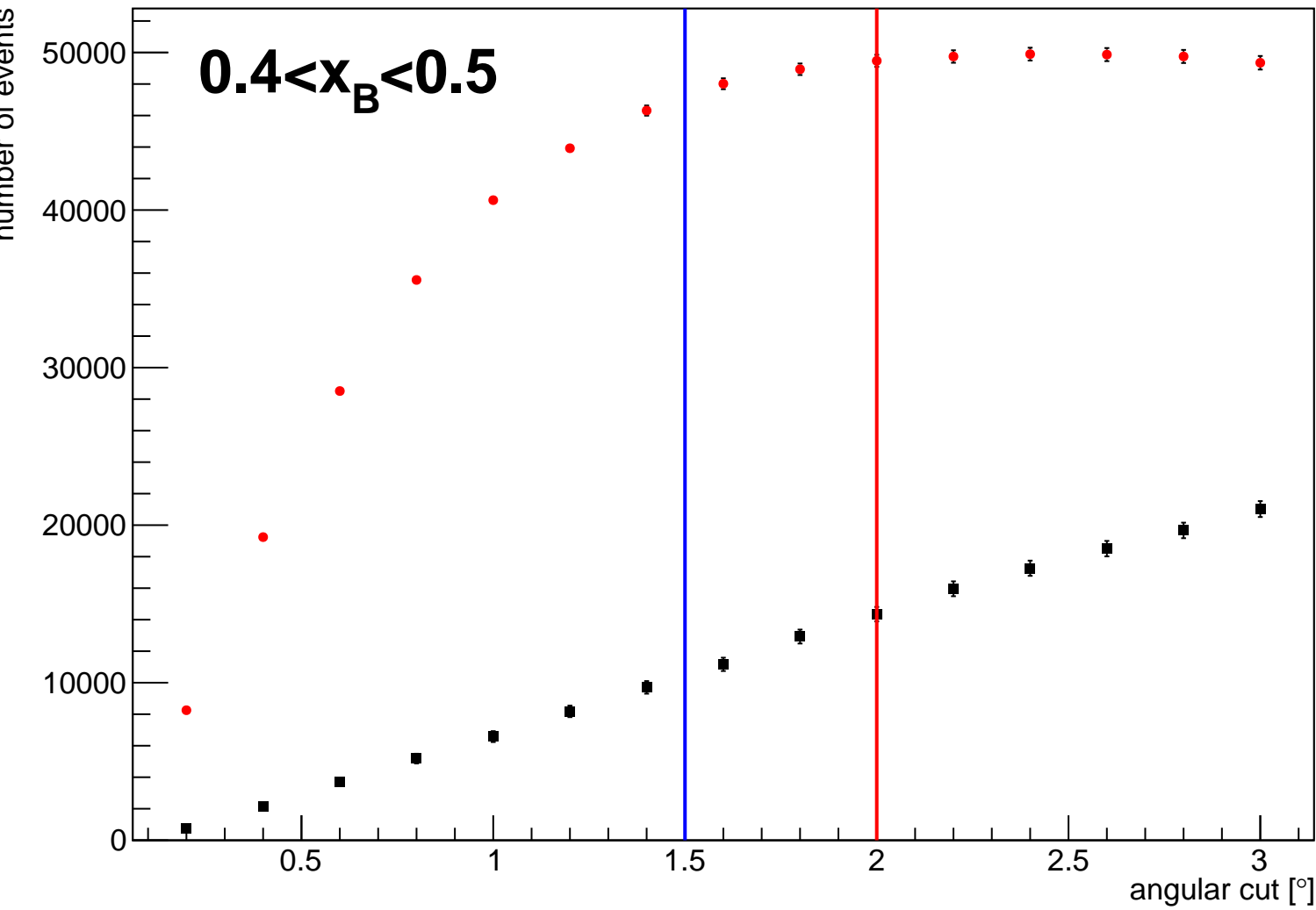




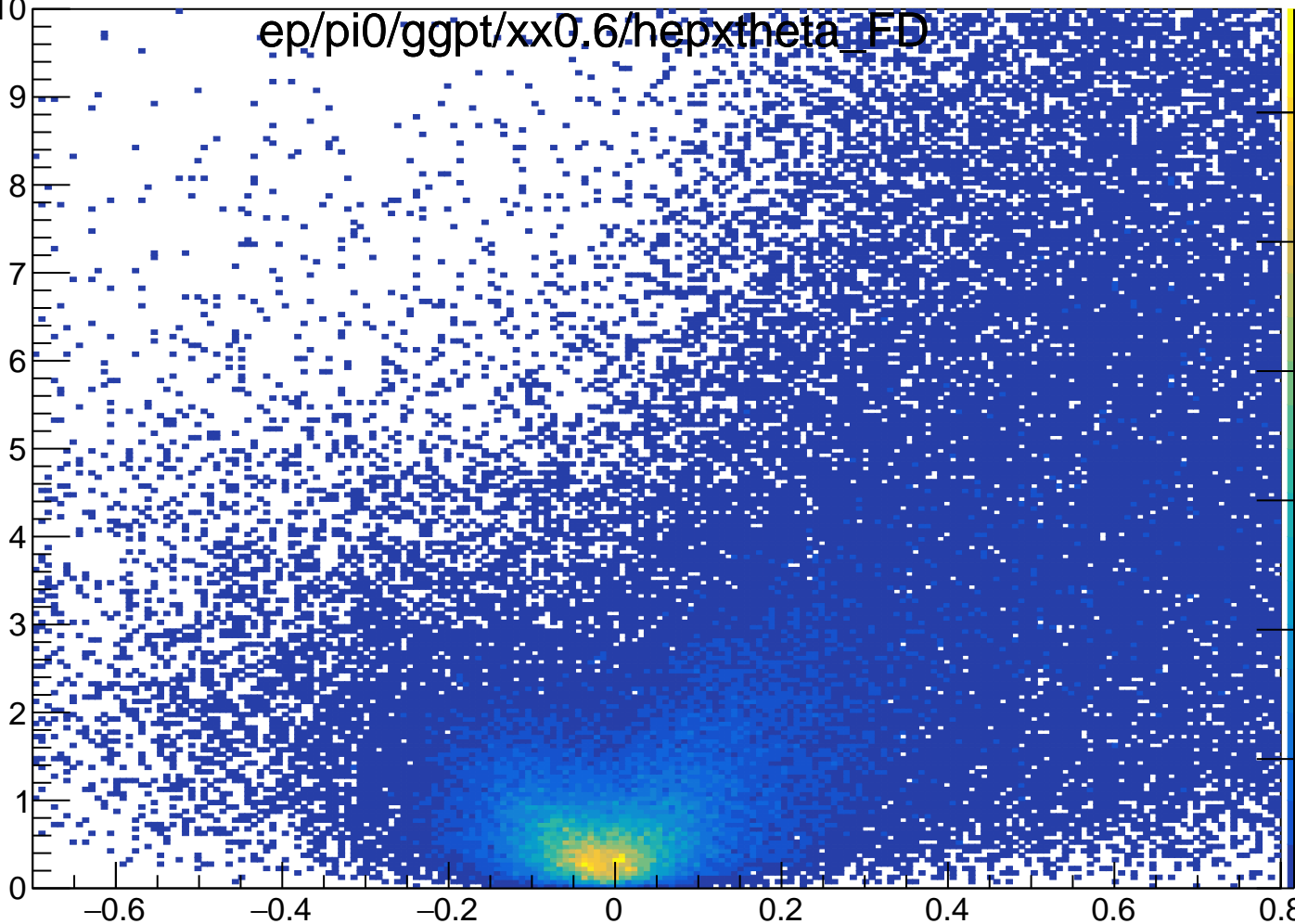
$\theta_{X\pi} < 3.0^\circ$

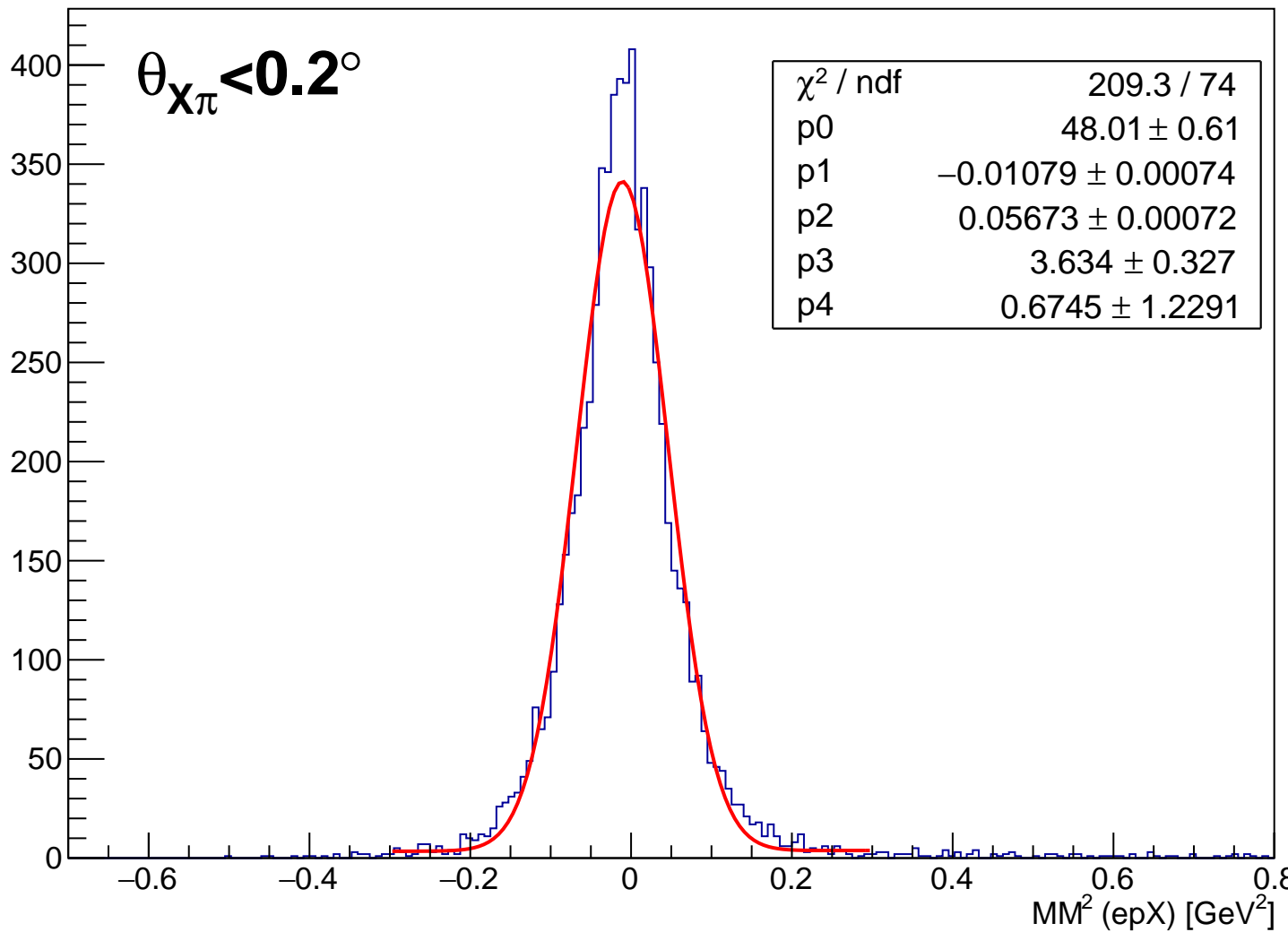
$\chi^2 / \text{ndf}$	244.9 / 75
p0	$370.1 \pm 3.2$
p1	$-0.01524 \pm 0.00063$
p2	$0.09268 \pm 0.00076$
p3	$281.9 \pm 4.9$
p4	$442.7 \pm 13.7$



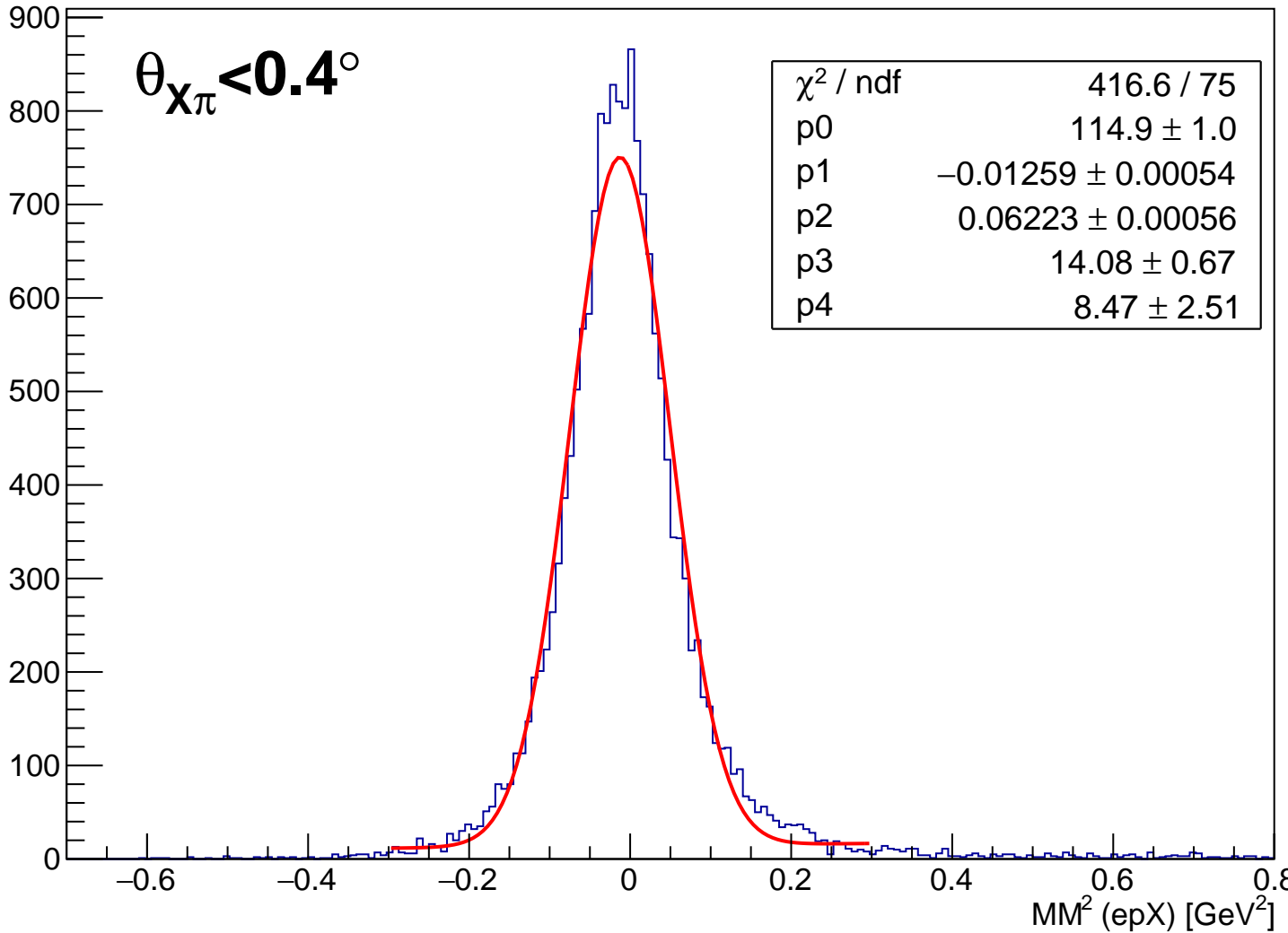


ep/pi0/ggpt/xx0.6/hepxtheta\_FD



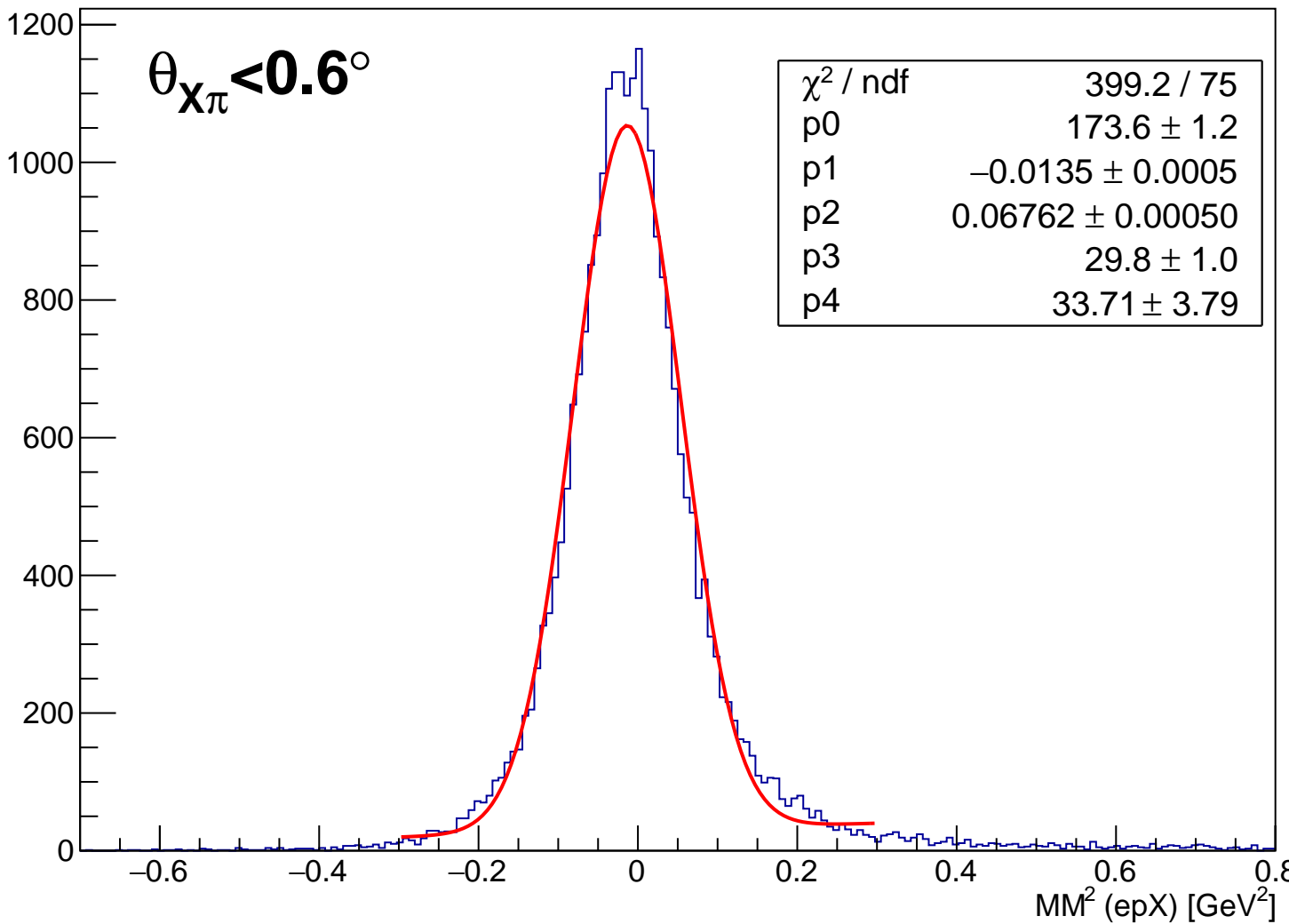


$\theta_{X\pi} < 0.4^\circ$

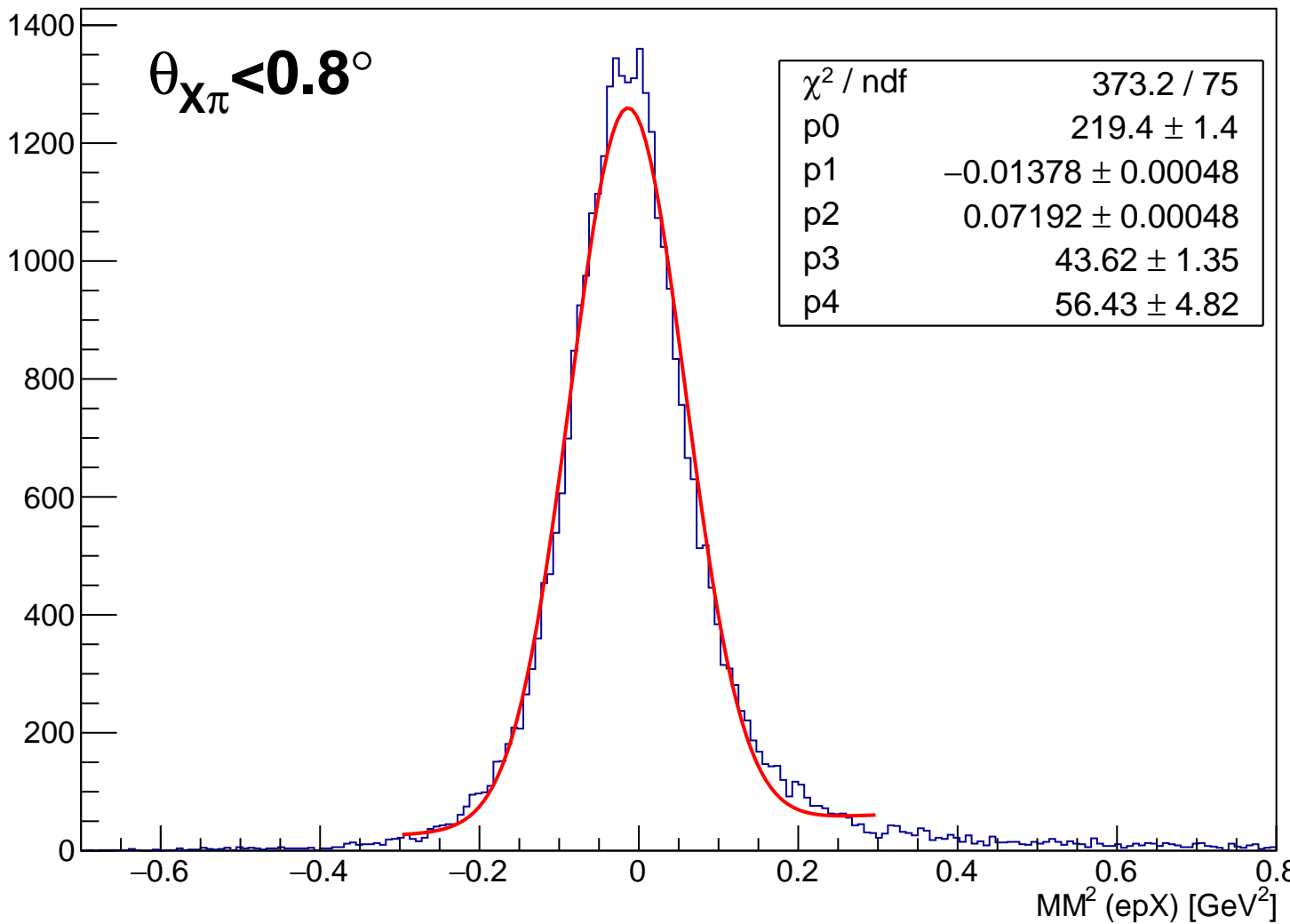


$\theta_{X\pi} < 0.6^\circ$

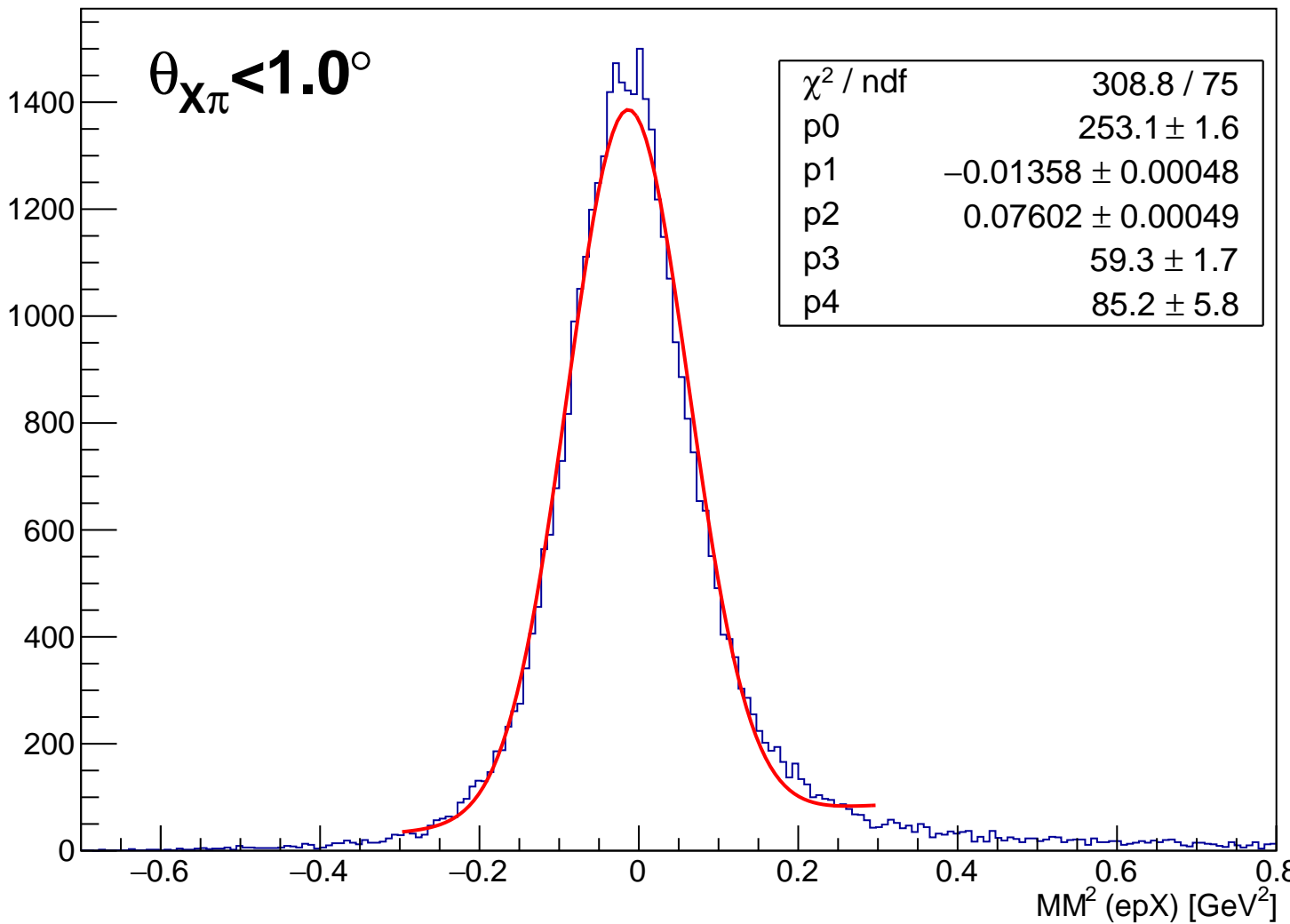
$\chi^2 / \text{ndf}$	399.2 / 75
p0	$173.6 \pm 1.2$
p1	$-0.0135 \pm 0.0005$
p2	$0.06762 \pm 0.00050$
p3	$29.8 \pm 1.0$
p4	$33.71 \pm 3.79$



$\theta_{X\pi} < 0.8^\circ$

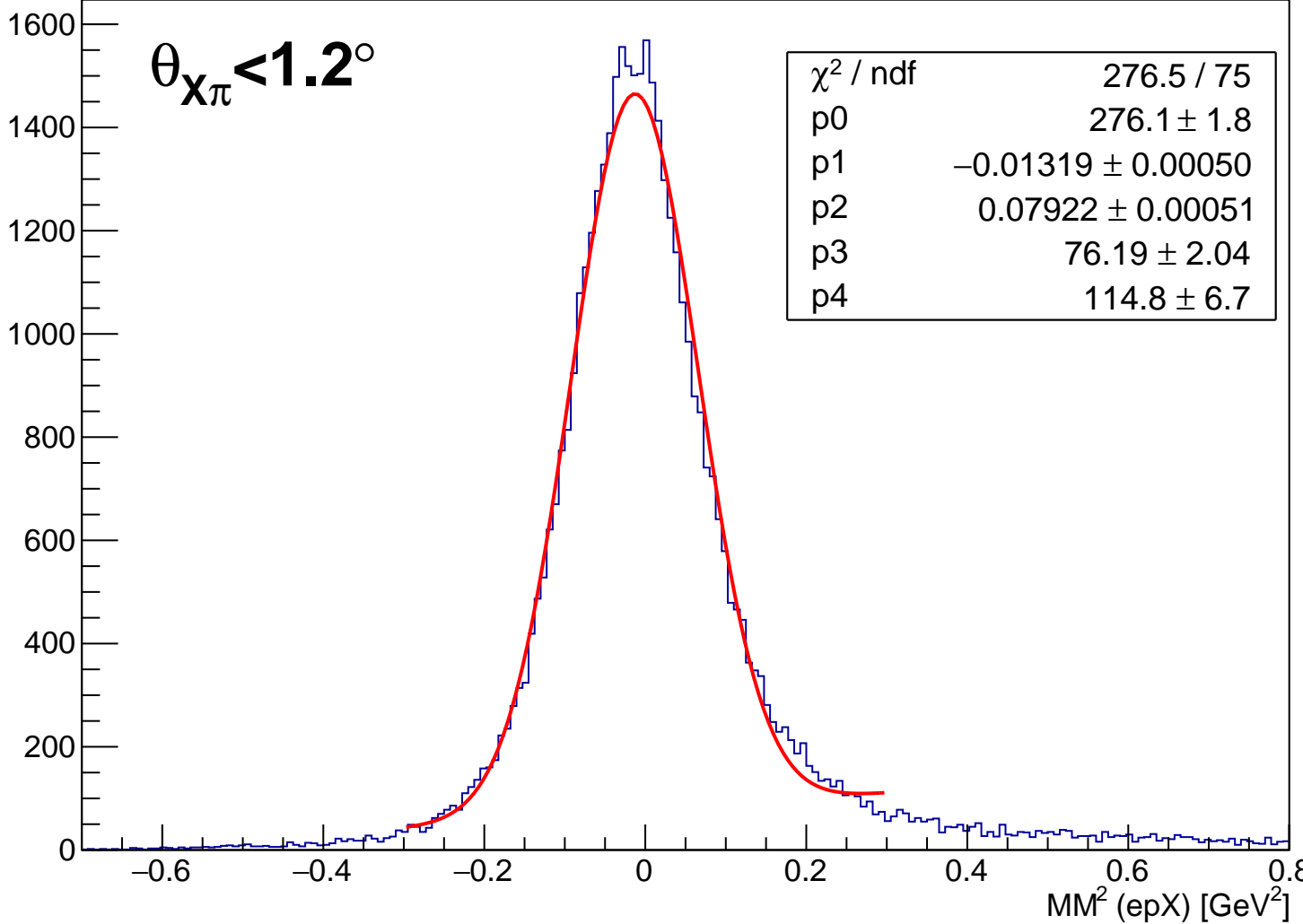


$\theta_{X\pi} < 1.0^\circ$

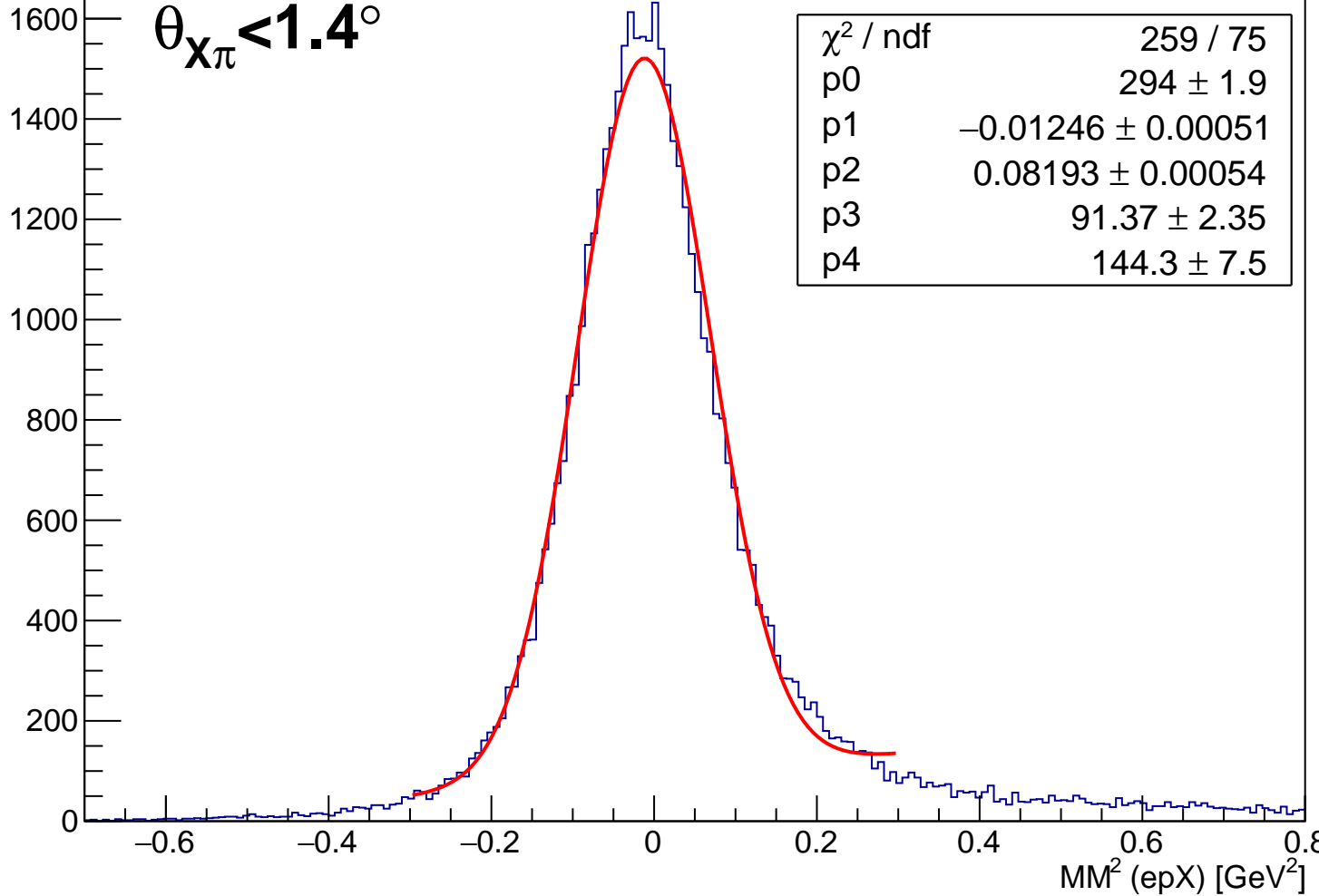


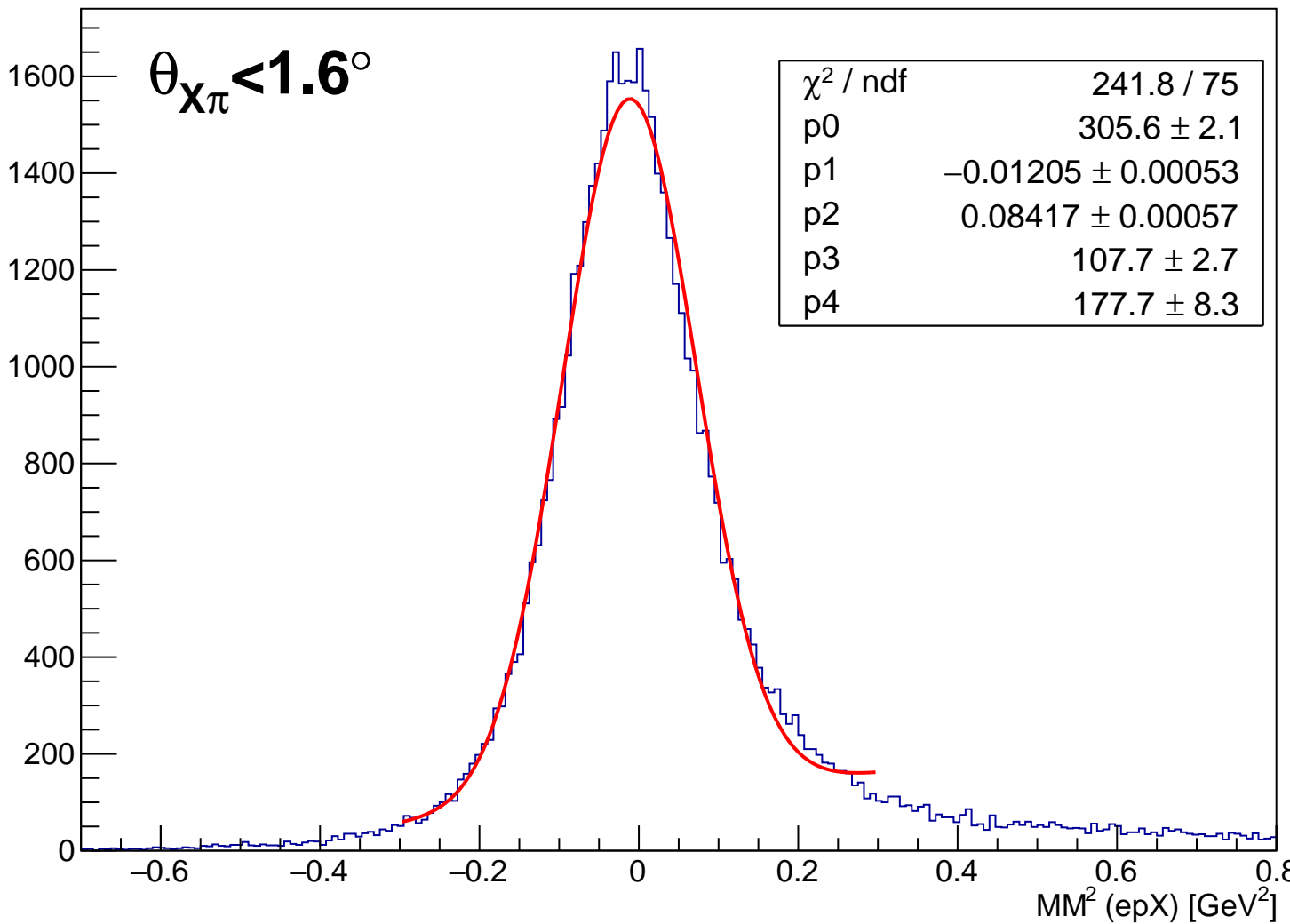


$\theta_{X\pi} < 1.2^\circ$

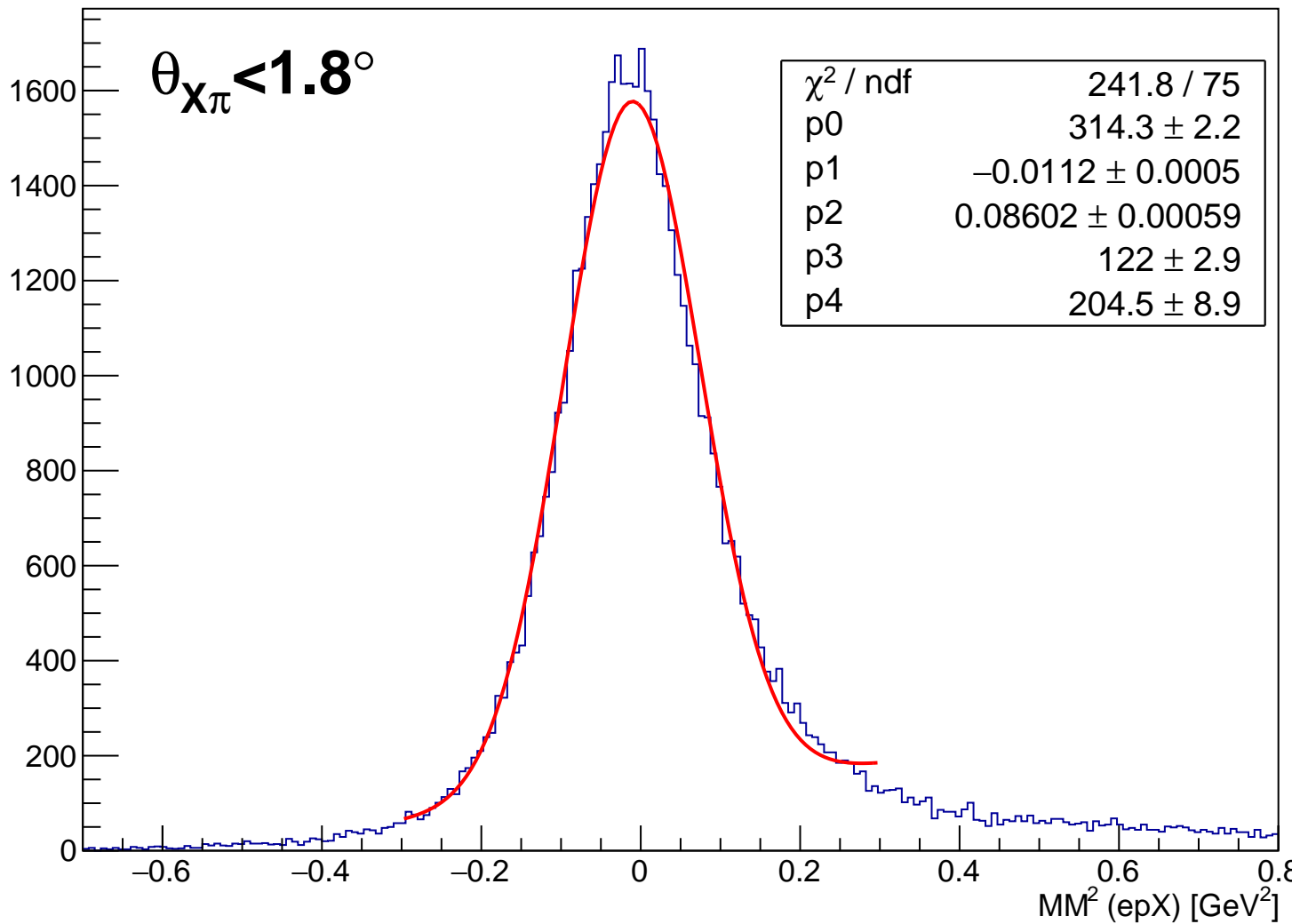


$\theta_{X\pi} < 1.4^\circ$

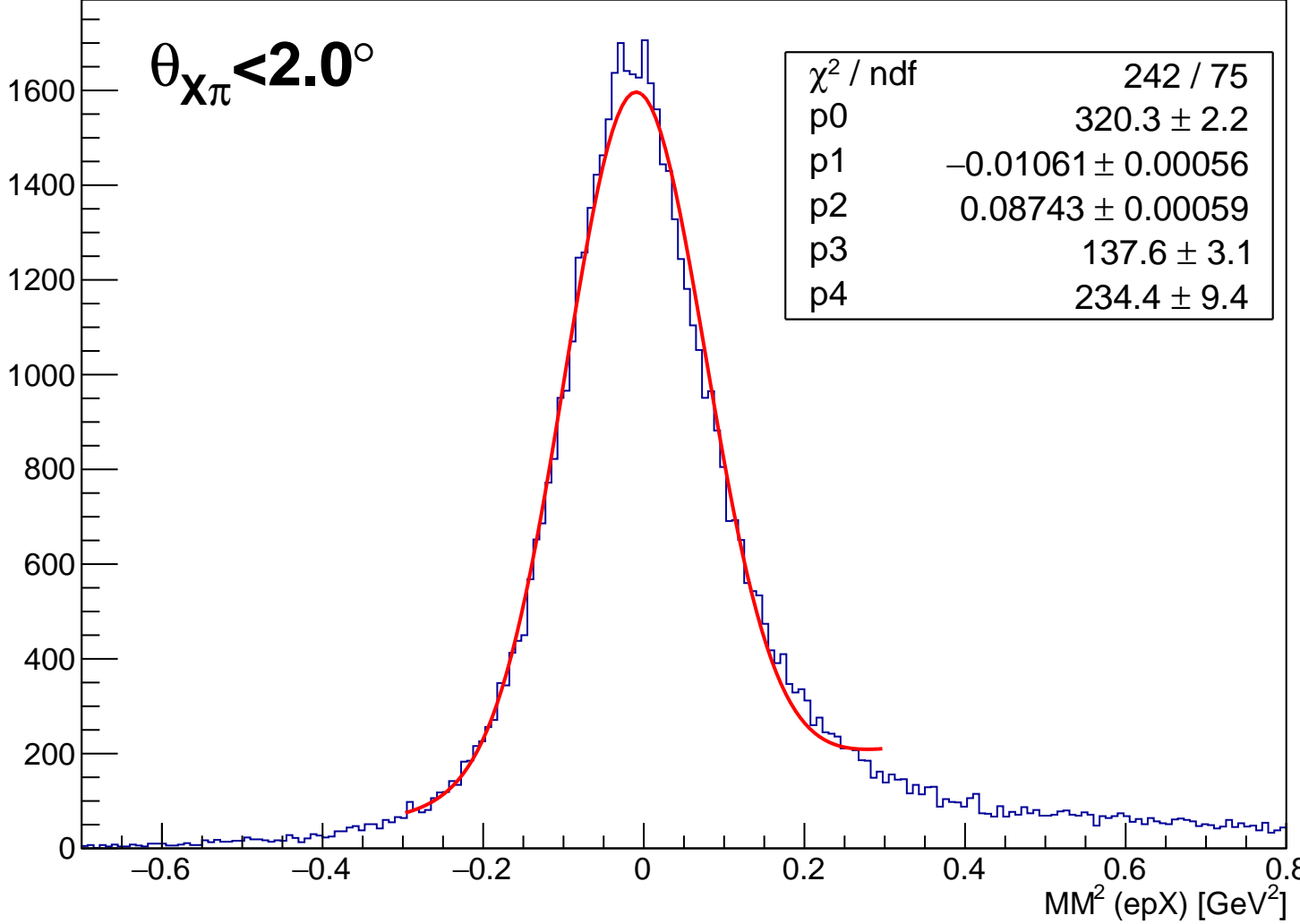




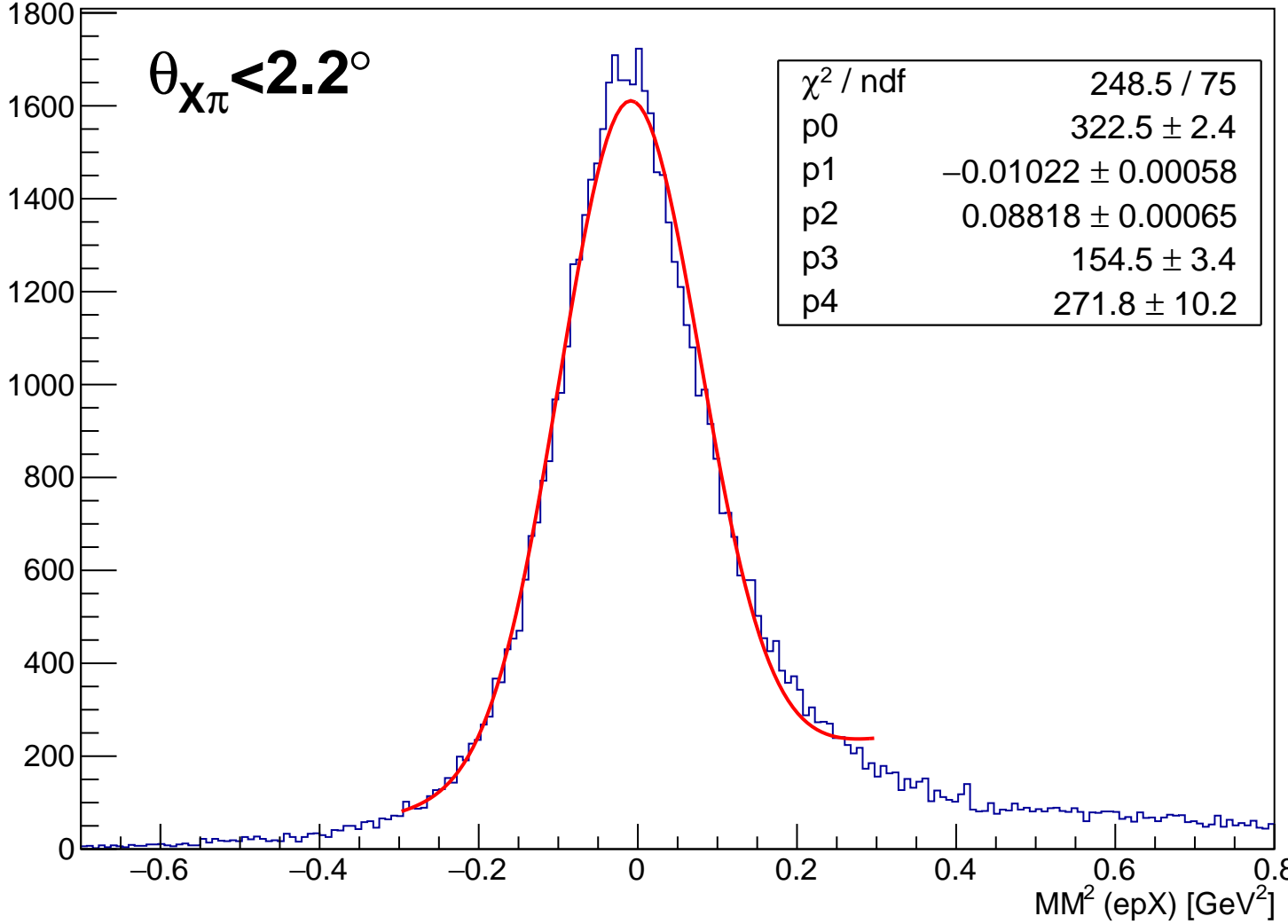
$\theta_{X\pi} < 1.8^\circ$



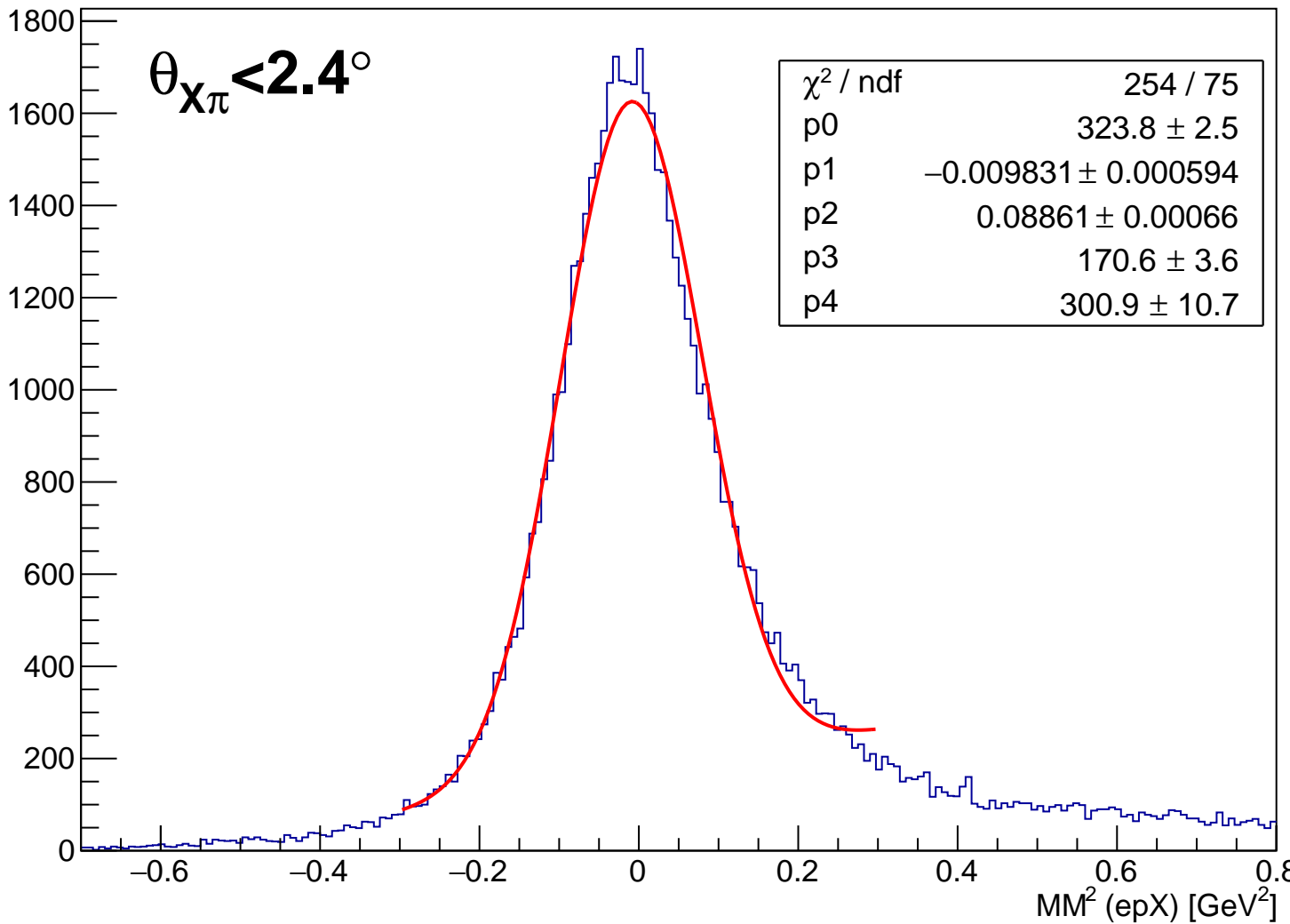
$\theta_{X\pi} < 2.0^\circ$



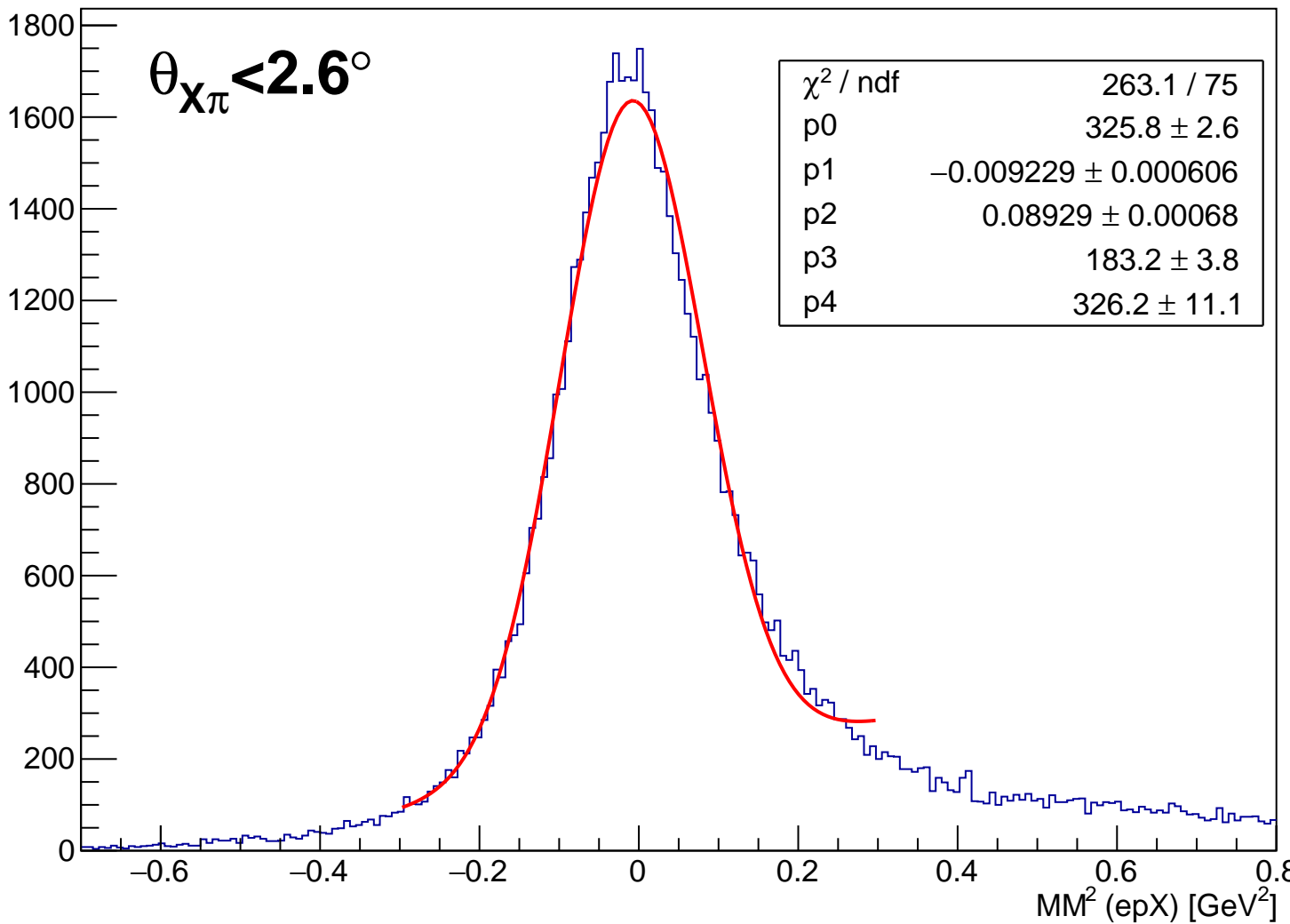
$\theta_{X\pi} < 2.2^\circ$



$\theta_{X\pi} < 2.4^\circ$

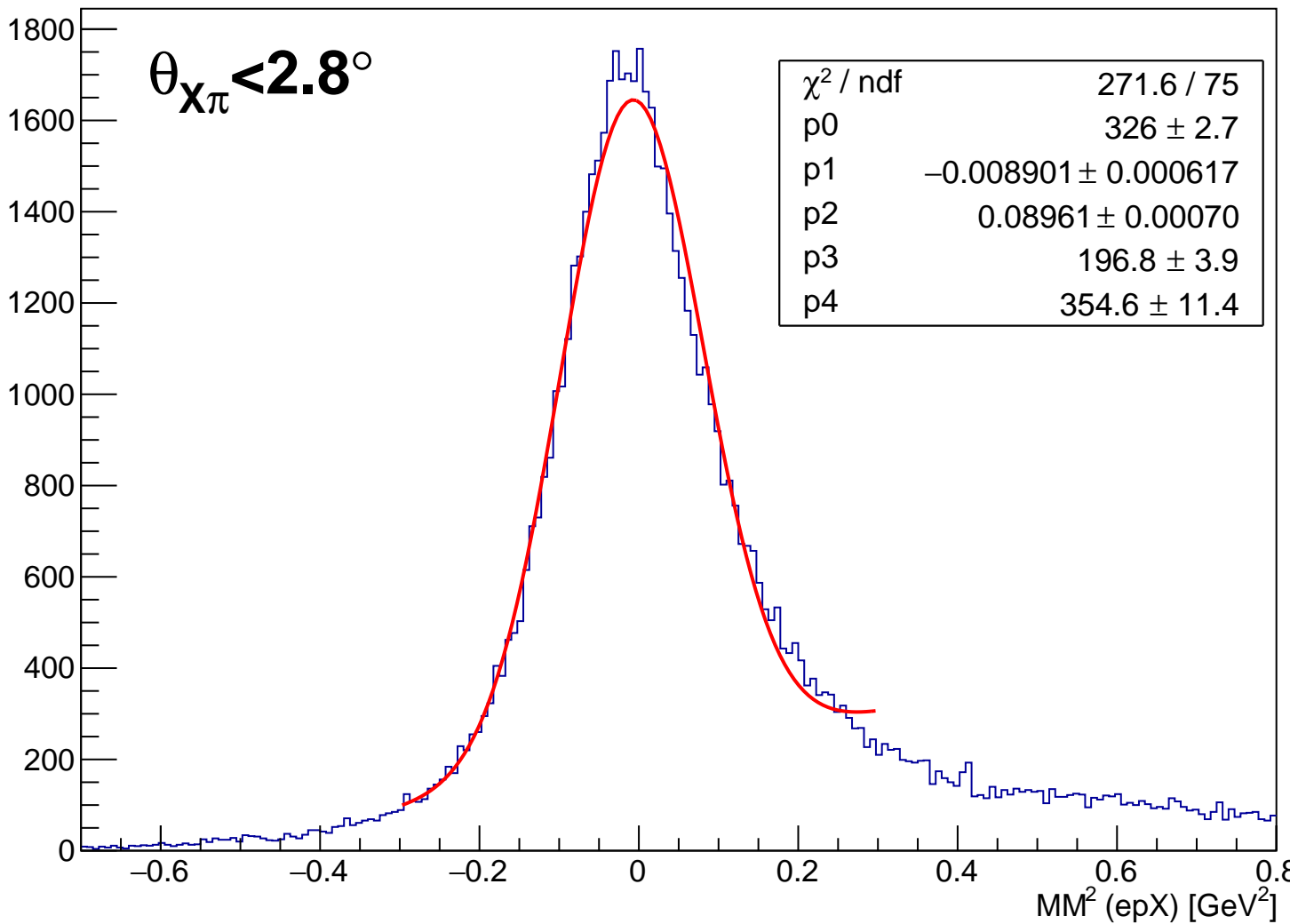


$\theta_{X\pi} < 2.6^\circ$

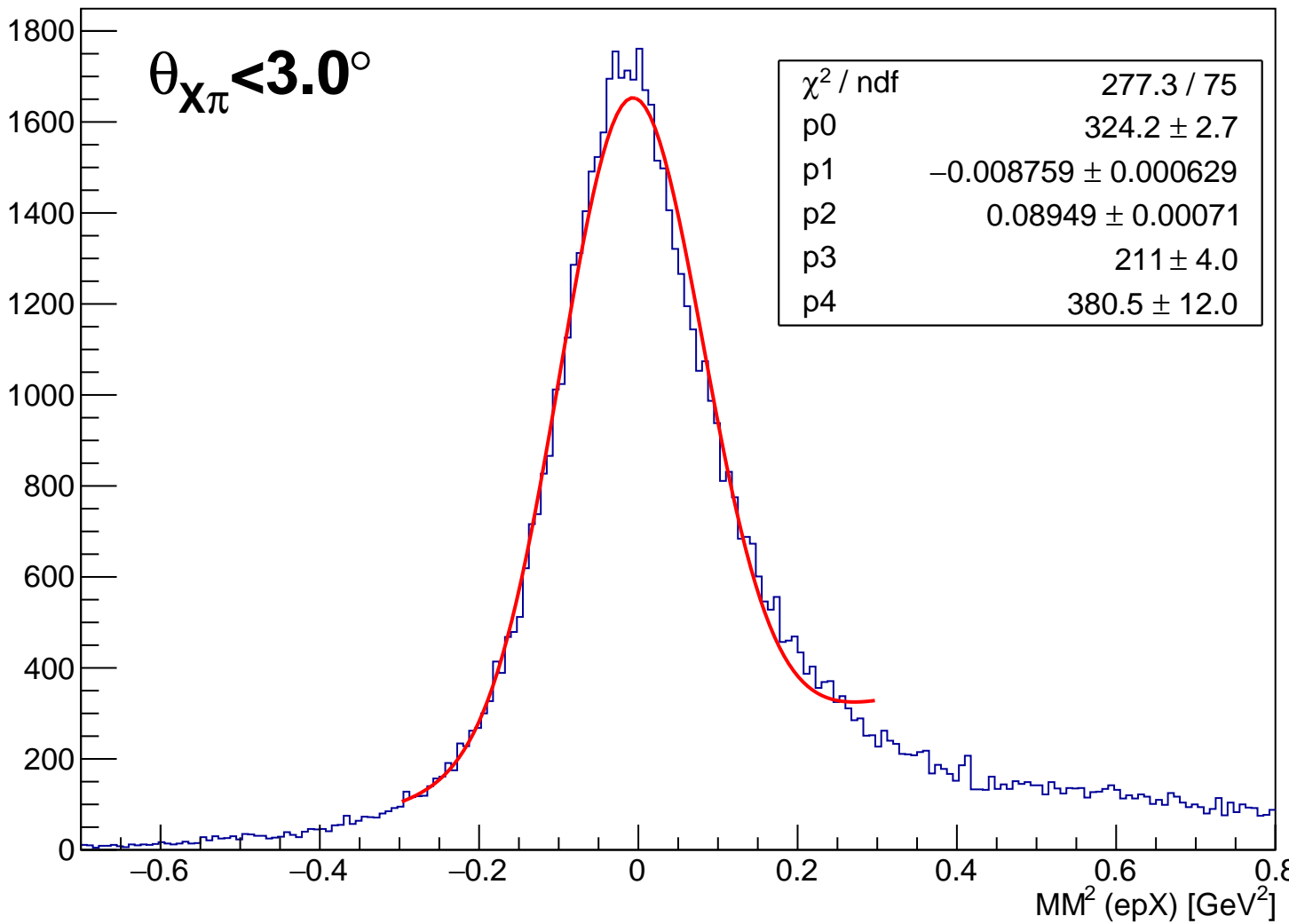


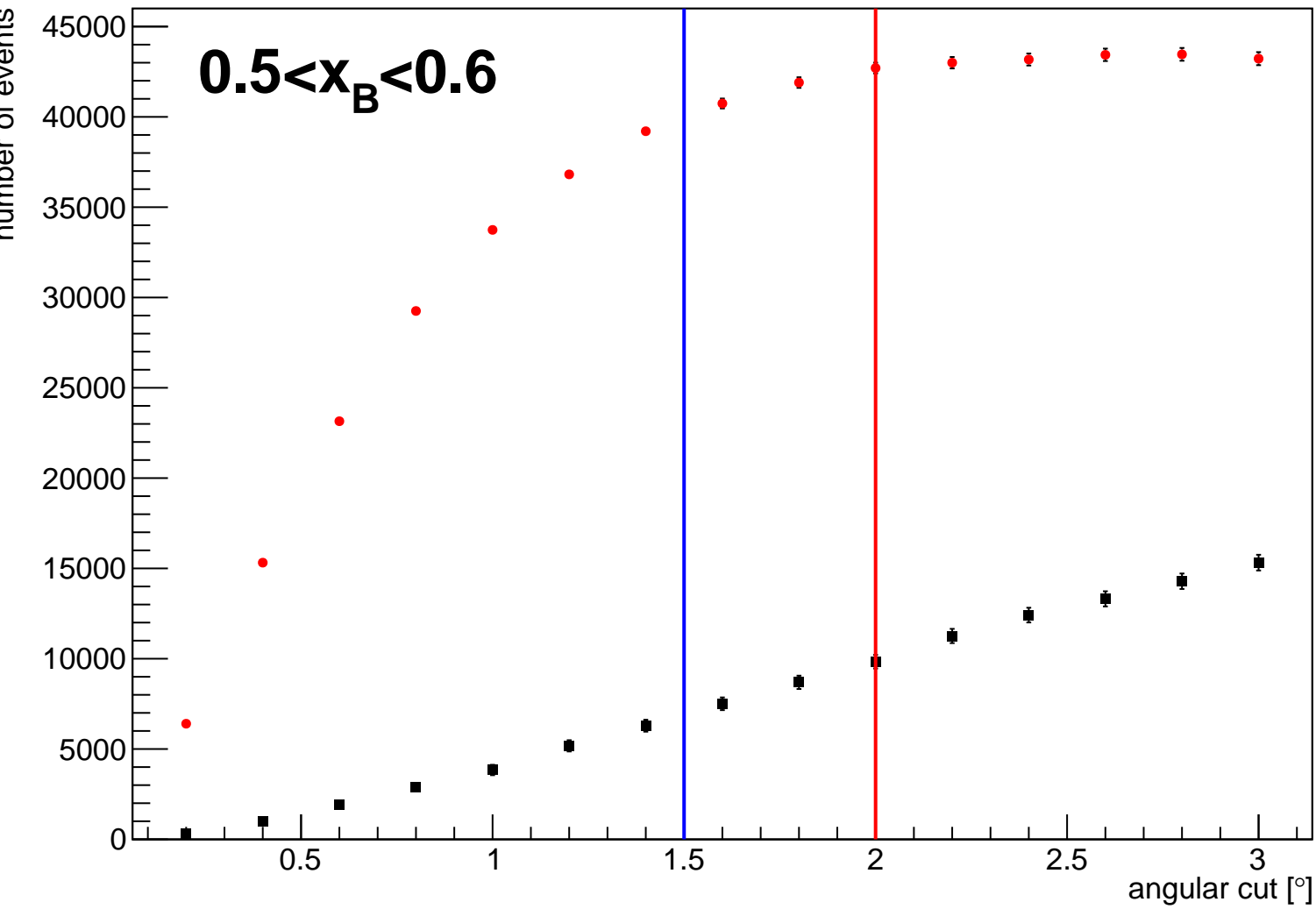


$\theta_{X\pi} < 2.8^\circ$

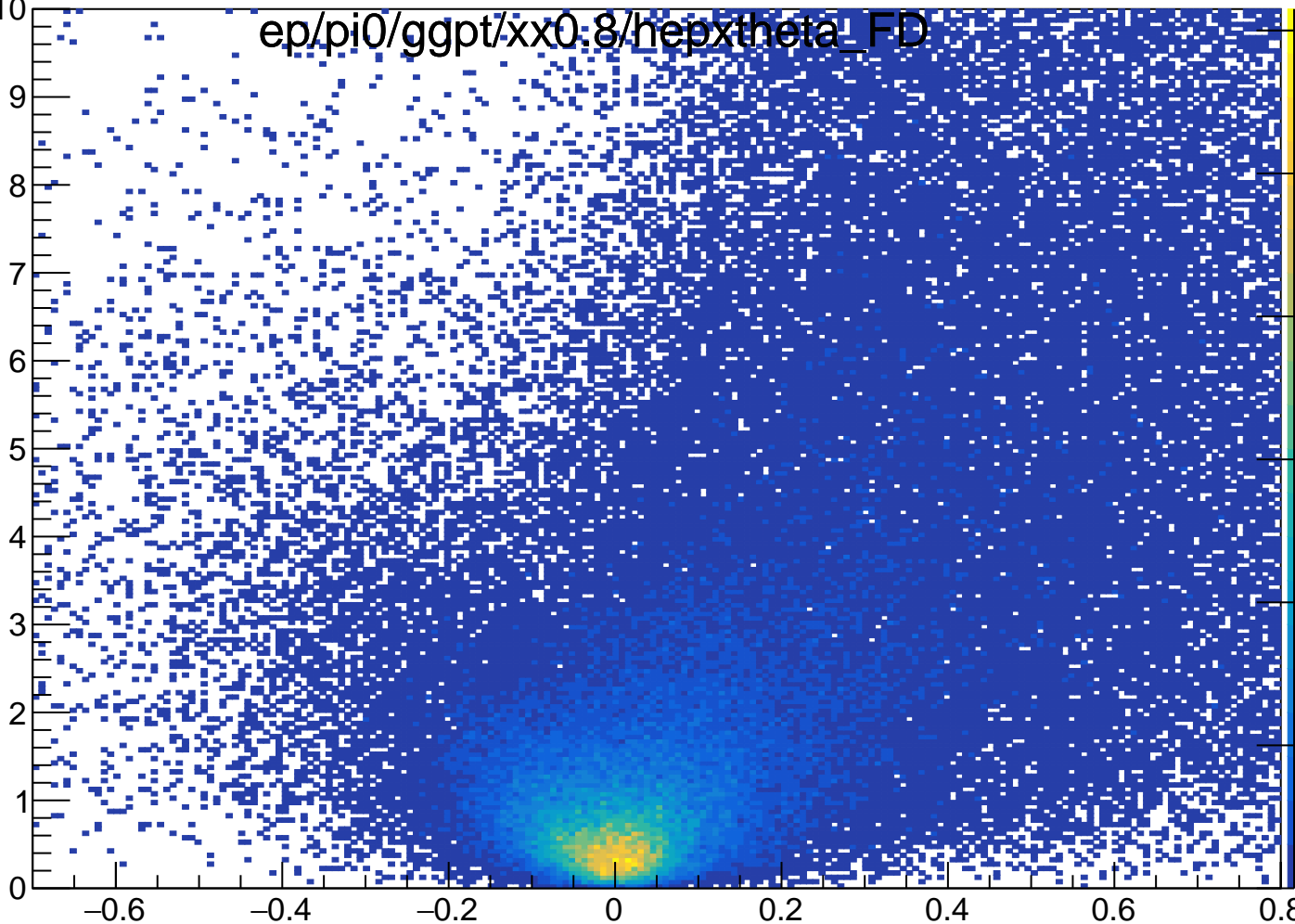


$\theta_{X\pi} < 3.0^\circ$

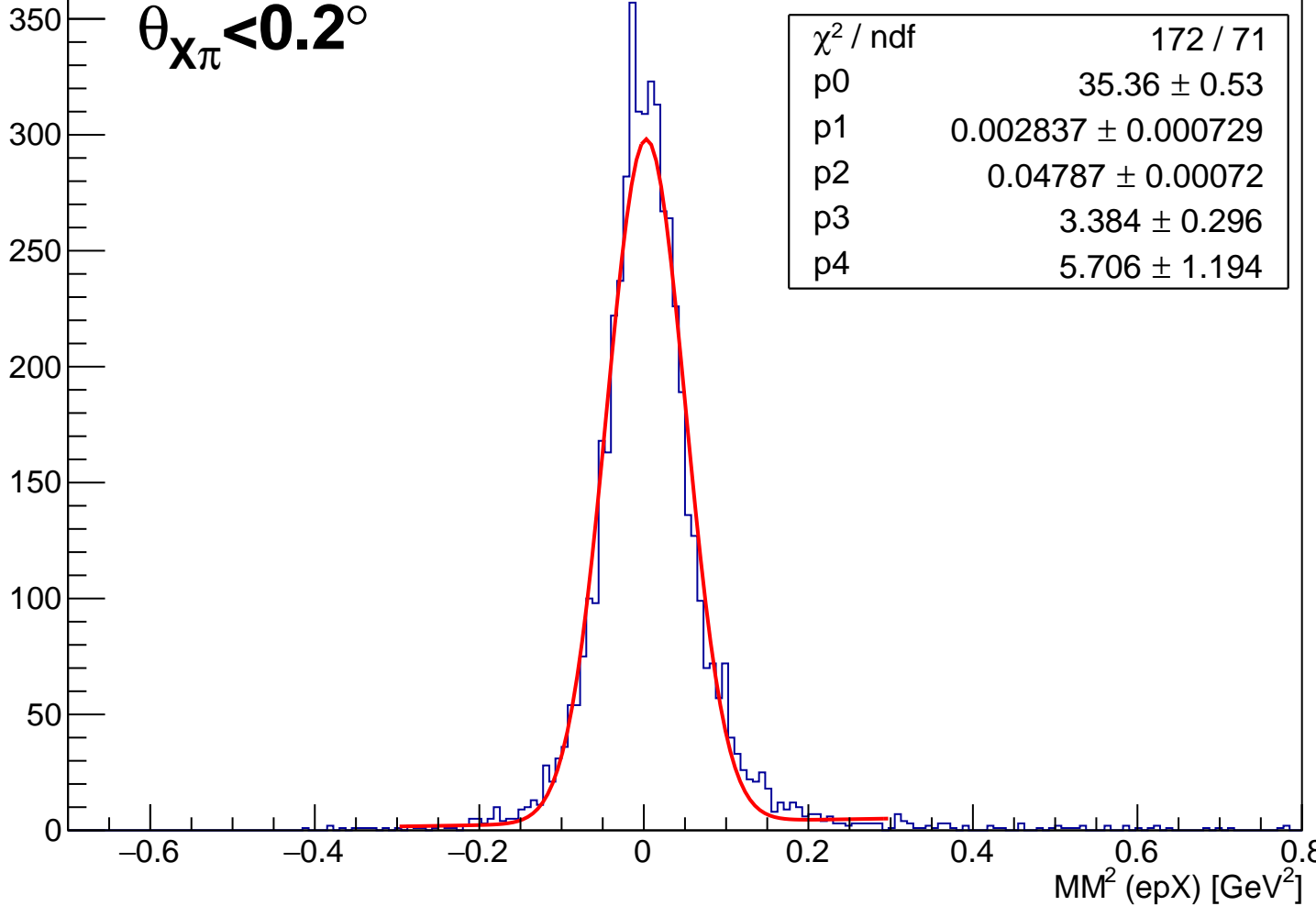




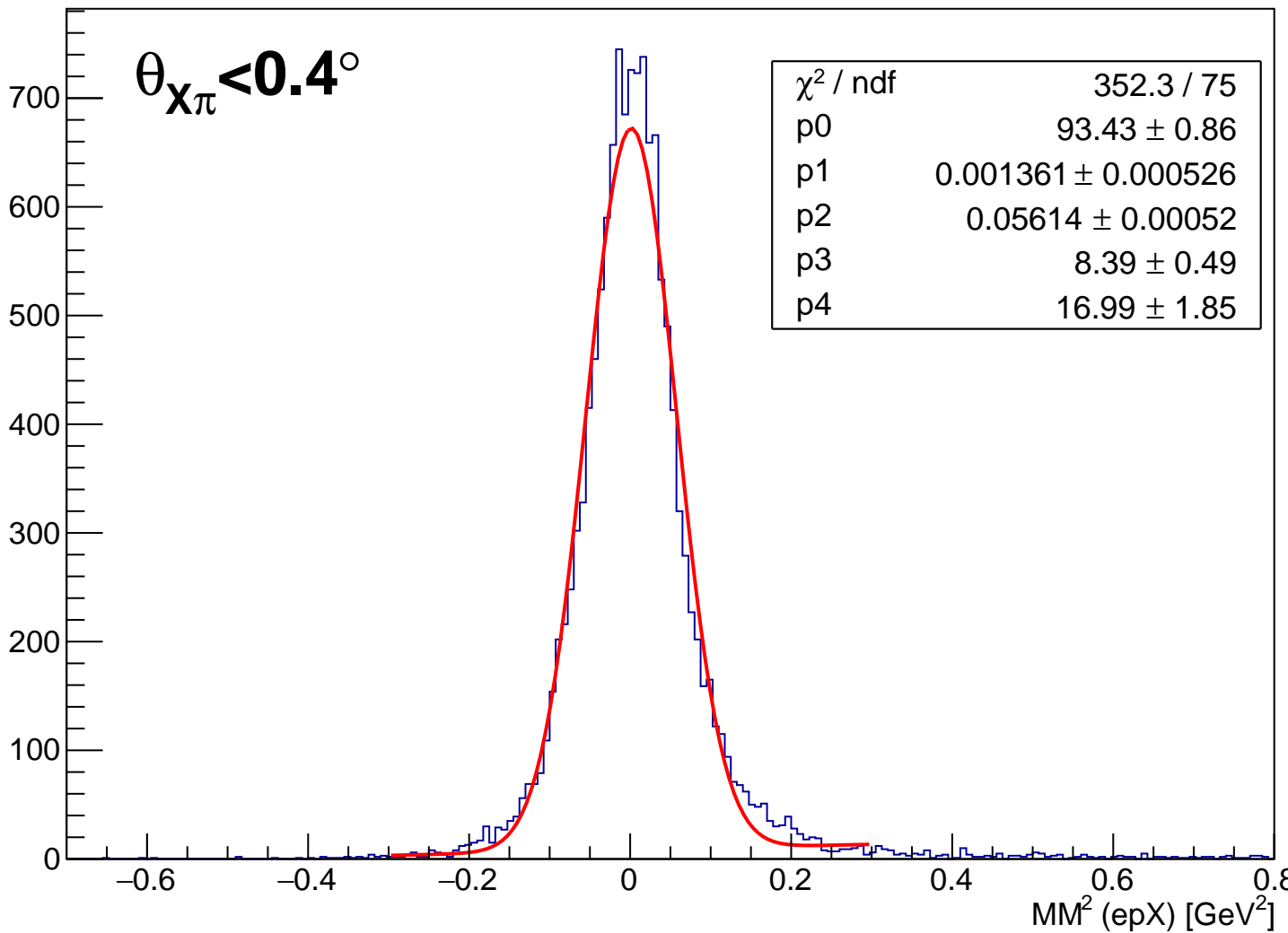
ep/pi0/ggpt/xx0.8/hepxtheta\_FD

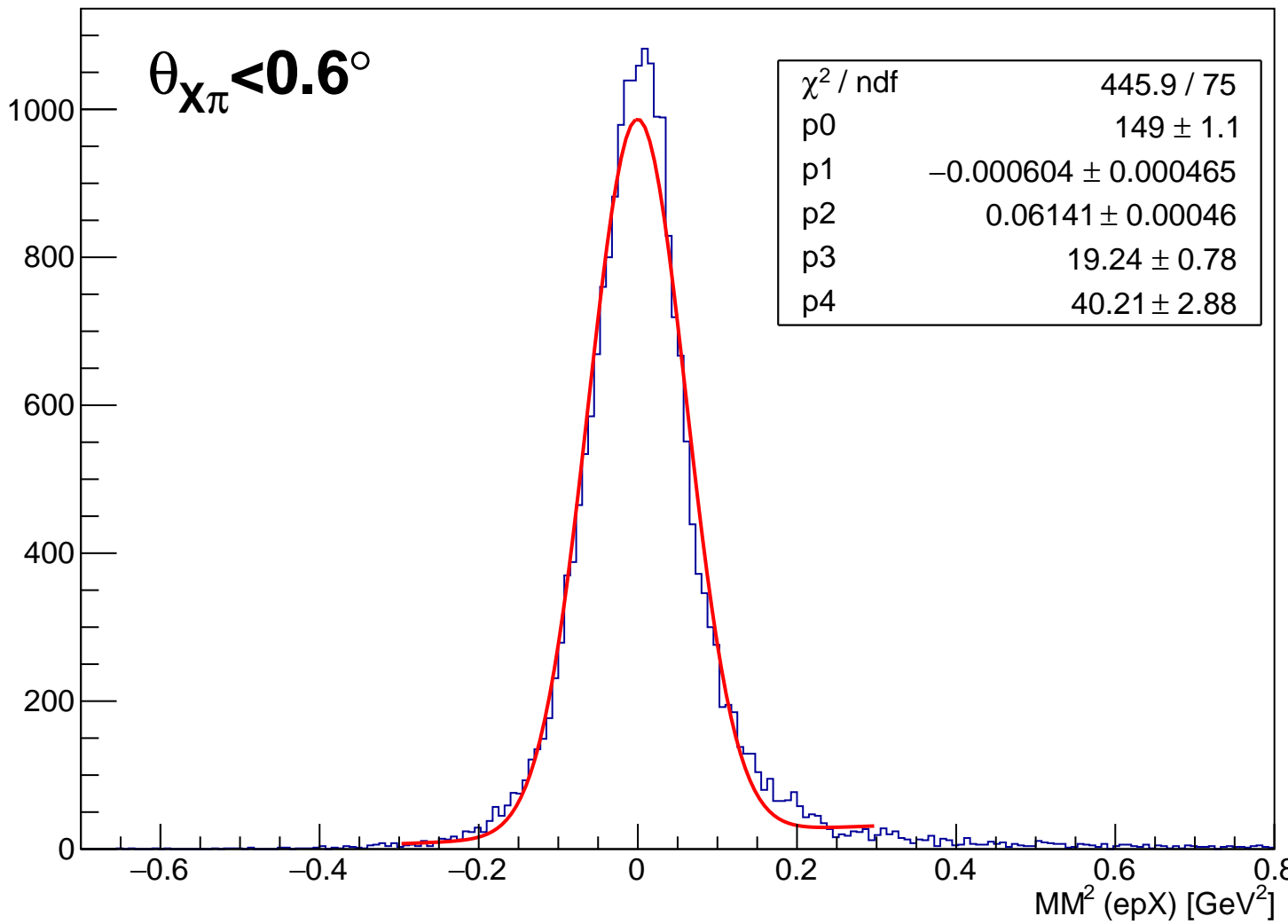


$\theta_{X\pi} < 0.2^\circ$

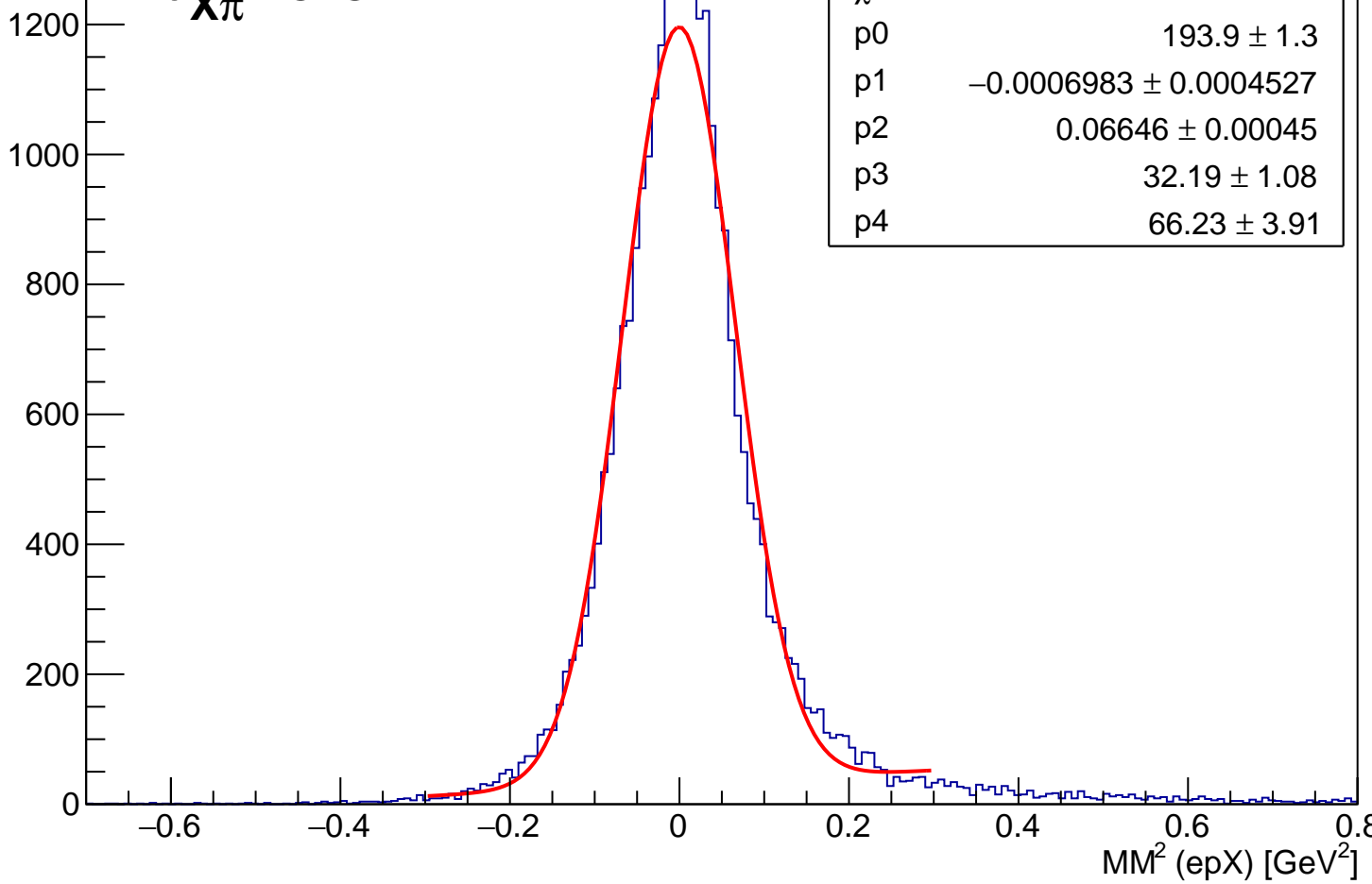


$\theta_{X\pi} < 0.4^\circ$





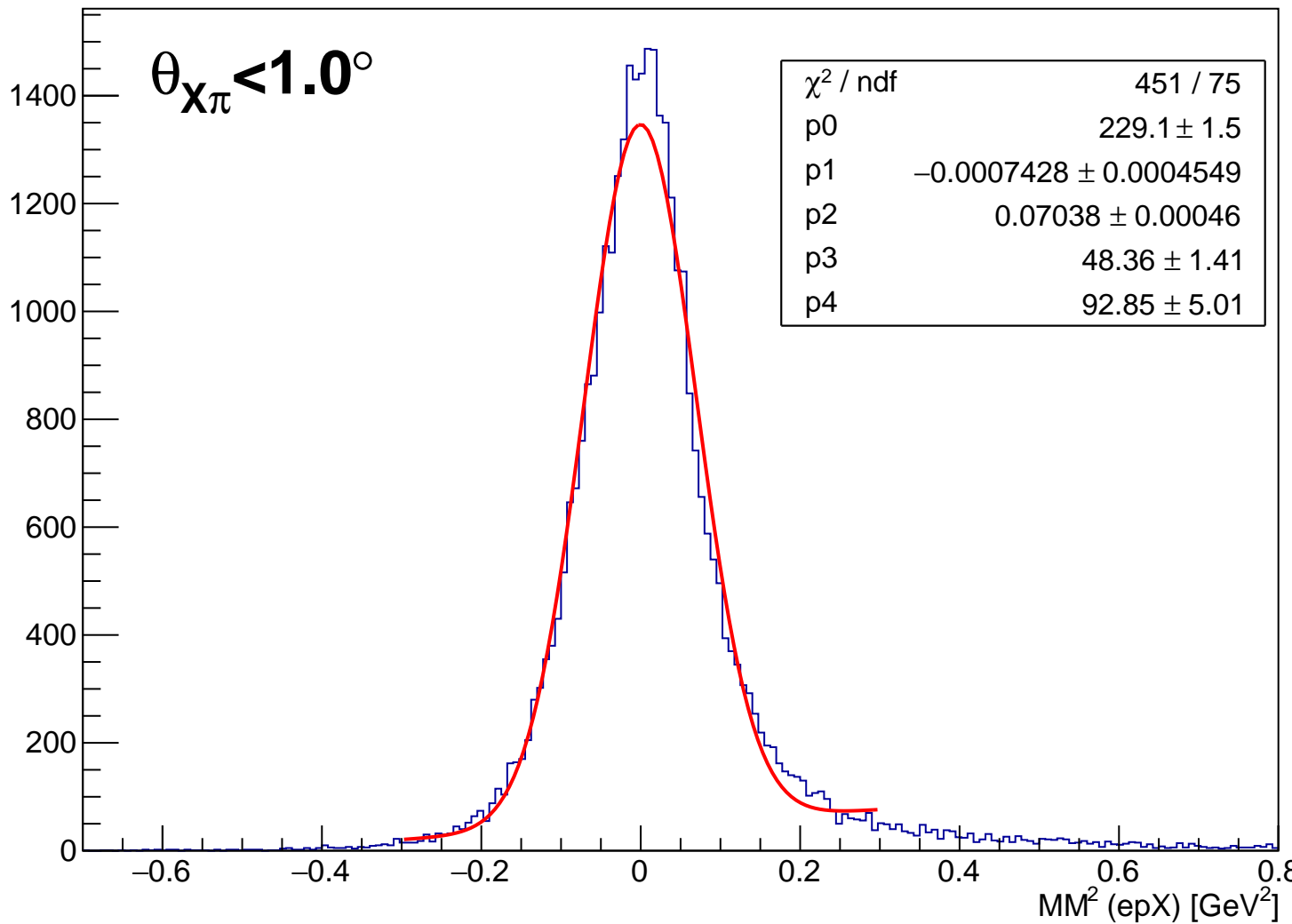
$\theta_{X\pi} < 0.8^\circ$



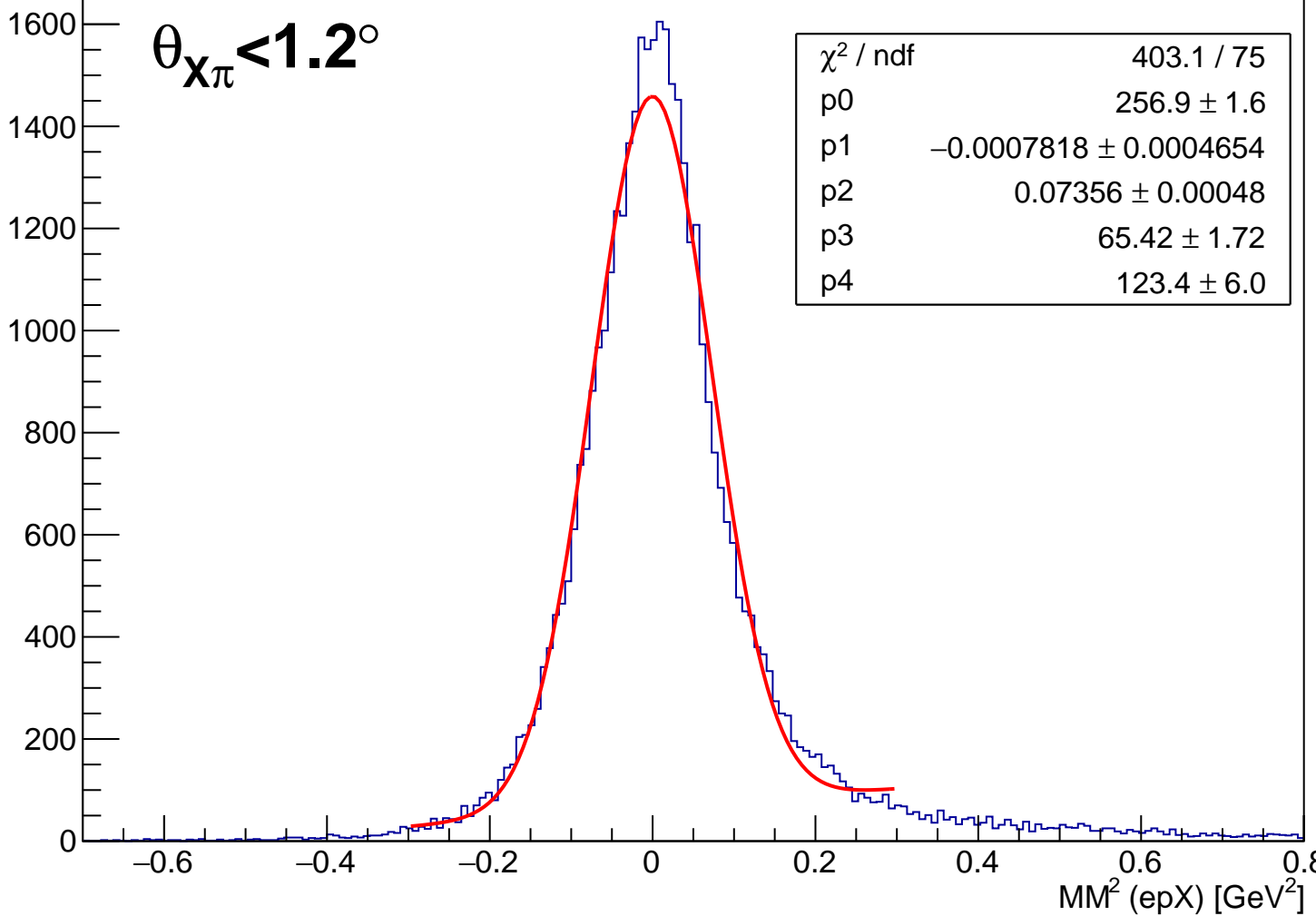
$\chi^2 / \text{ndf}$	469.7 / 75
p0	$193.9 \pm 1.3$
p1	$-0.0006983 \pm 0.0004527$
p2	$0.06646 \pm 0.00045$
p3	$32.19 \pm 1.08$
p4	$66.23 \pm 3.91$



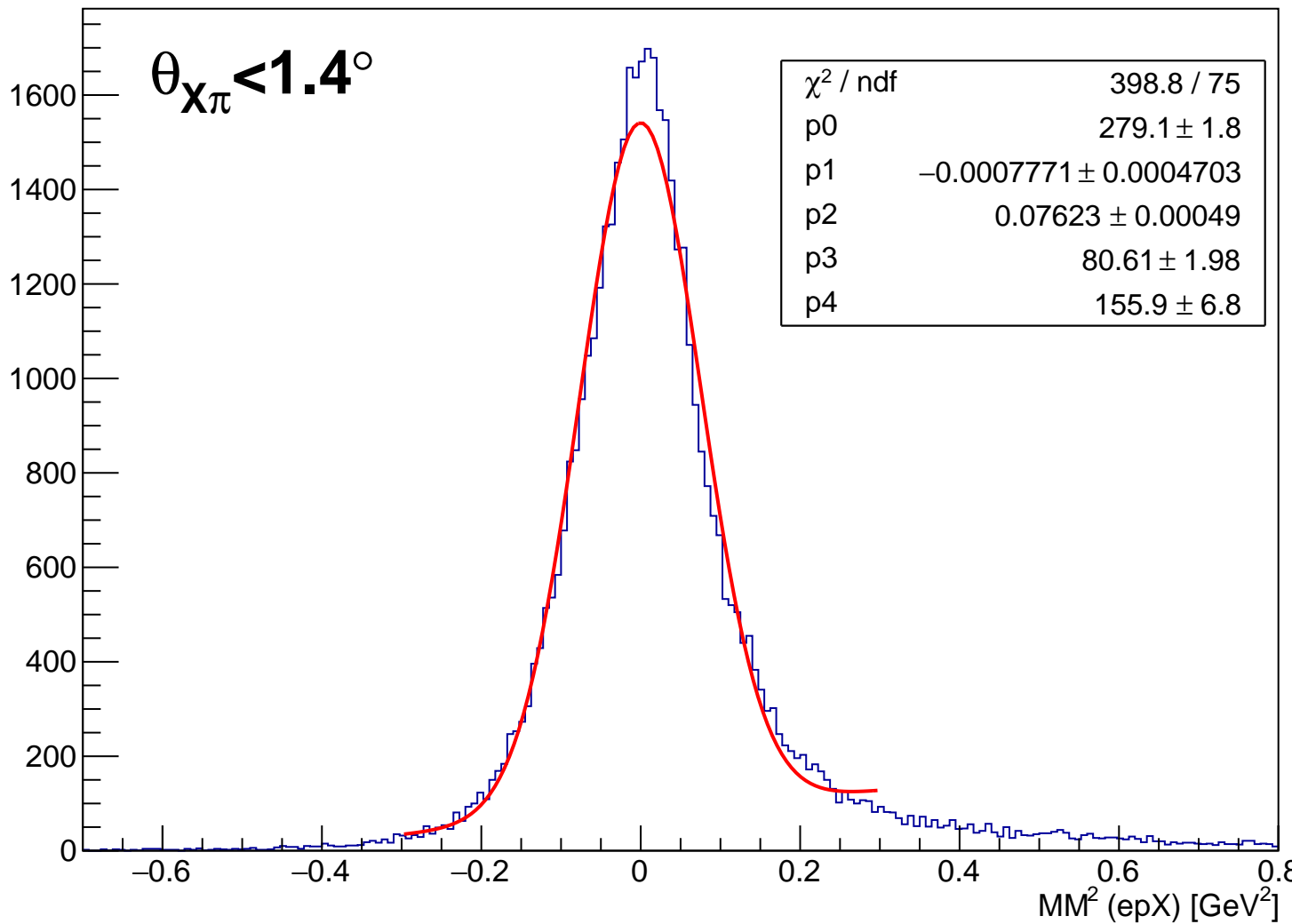
$\theta_{X\pi} < 1.0^\circ$



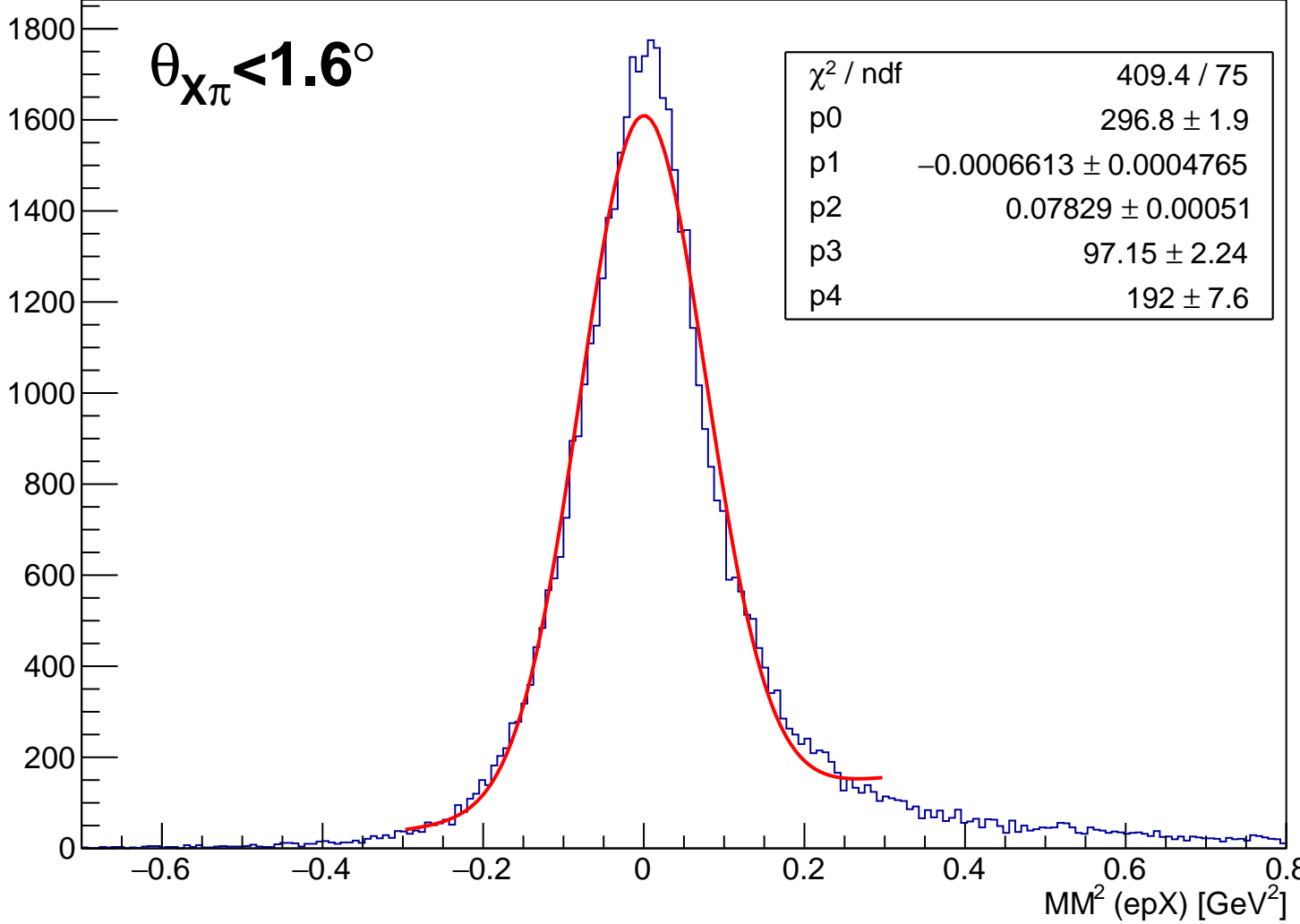
$\theta_{X\pi} < 1.2^\circ$



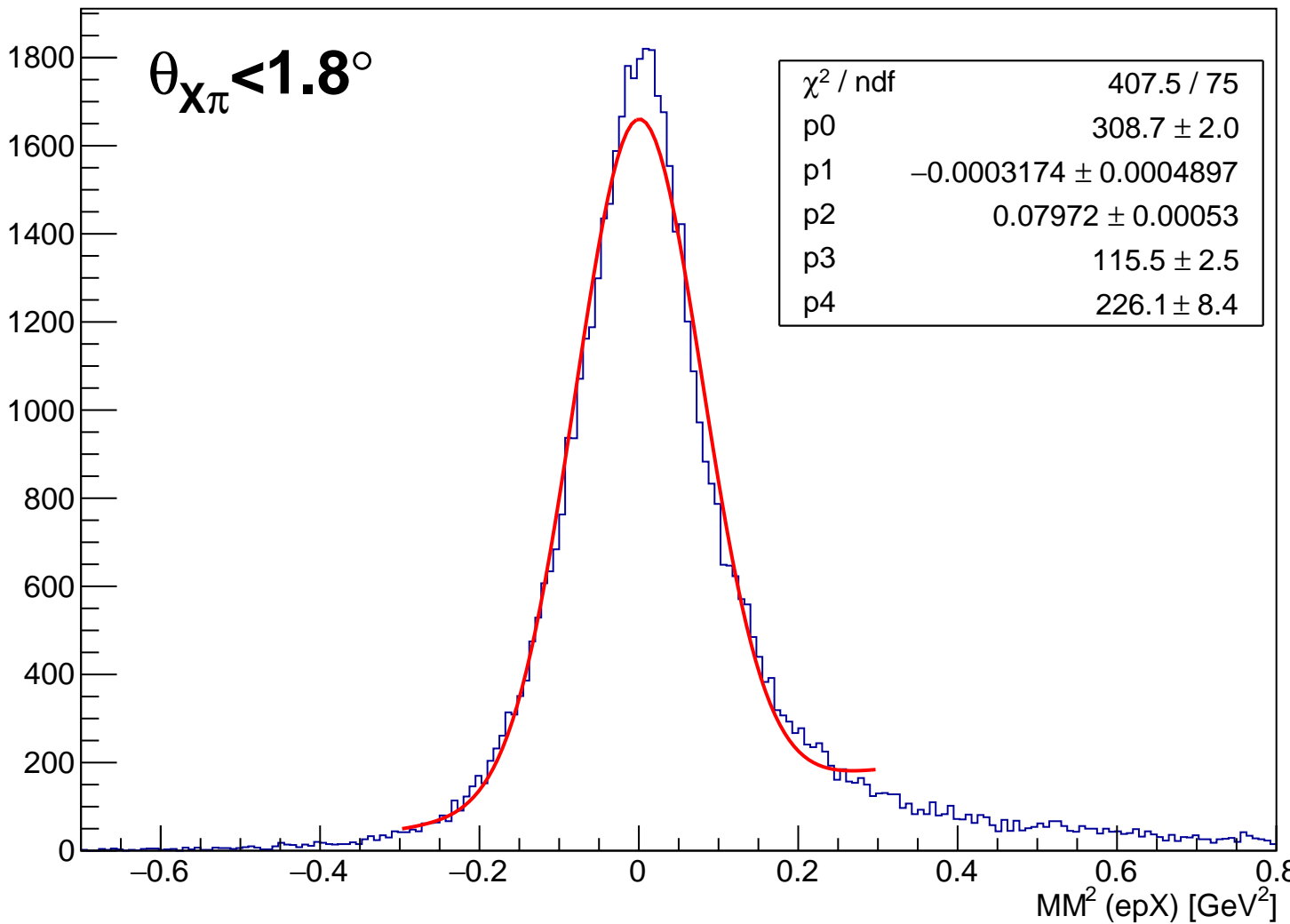
$\theta_{X\pi} < 1.4^\circ$

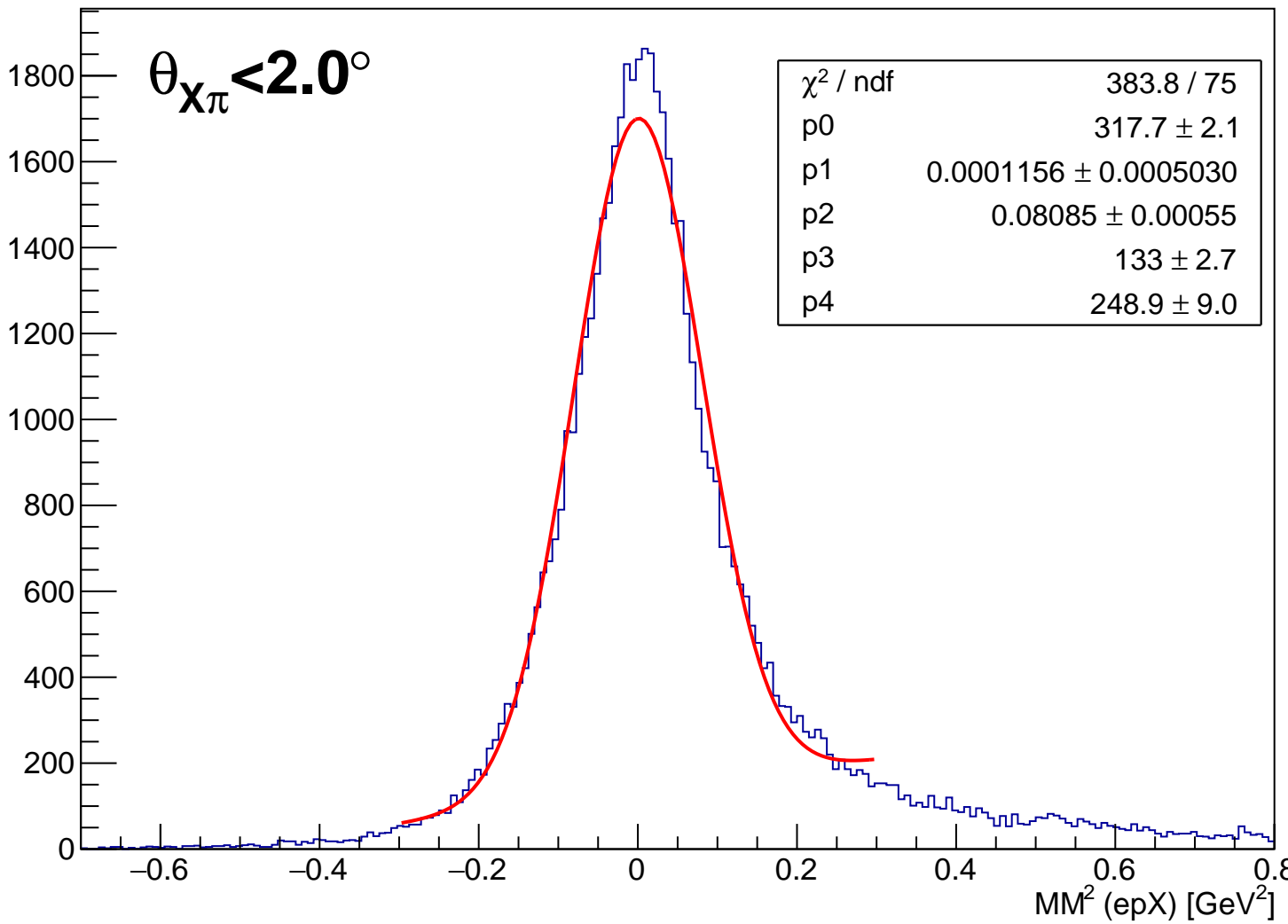


$\theta_{X\pi} < 1.6^\circ$

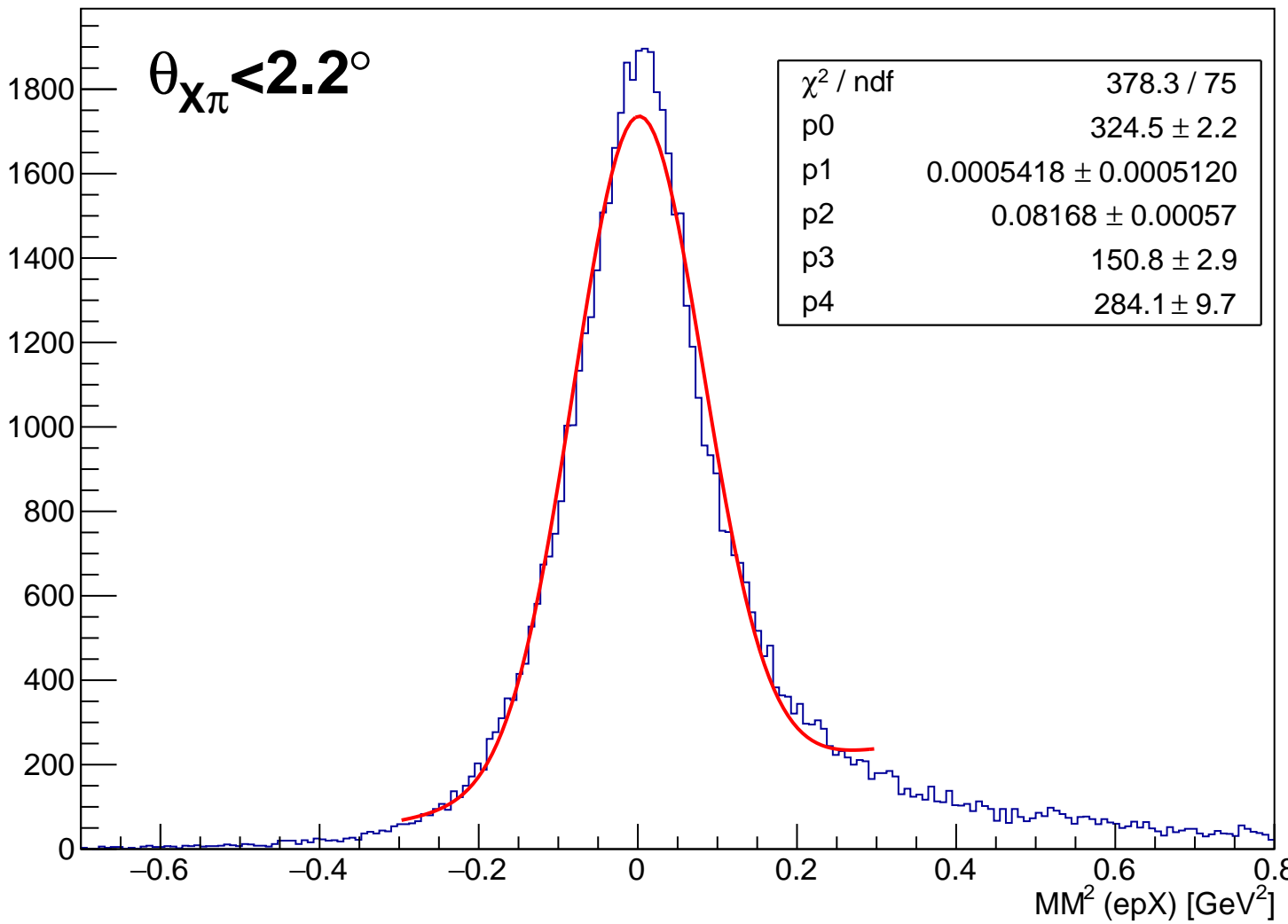


$\theta_{X\pi} < 1.8^\circ$

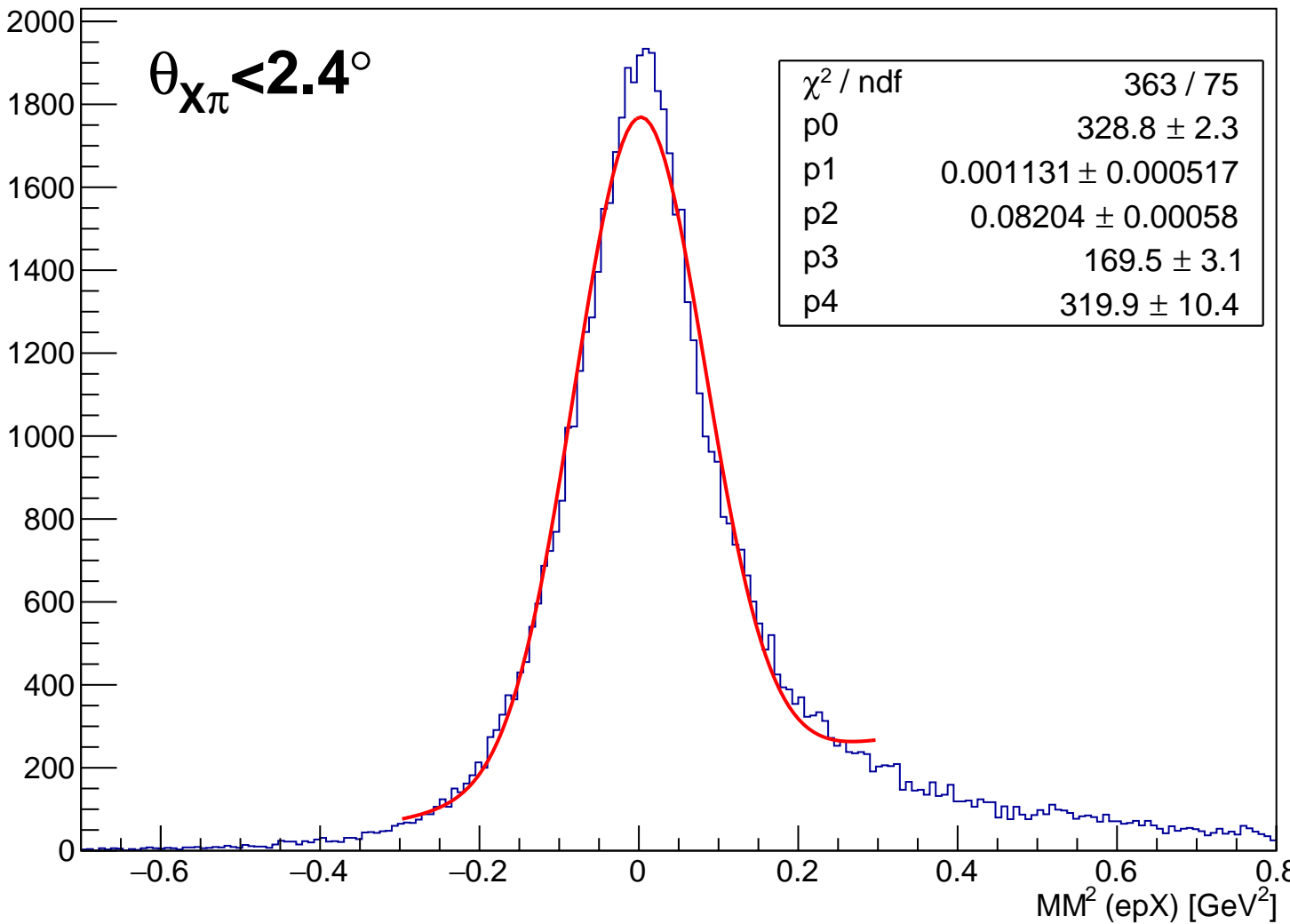




$\theta_{X\pi} < 2.2^\circ$

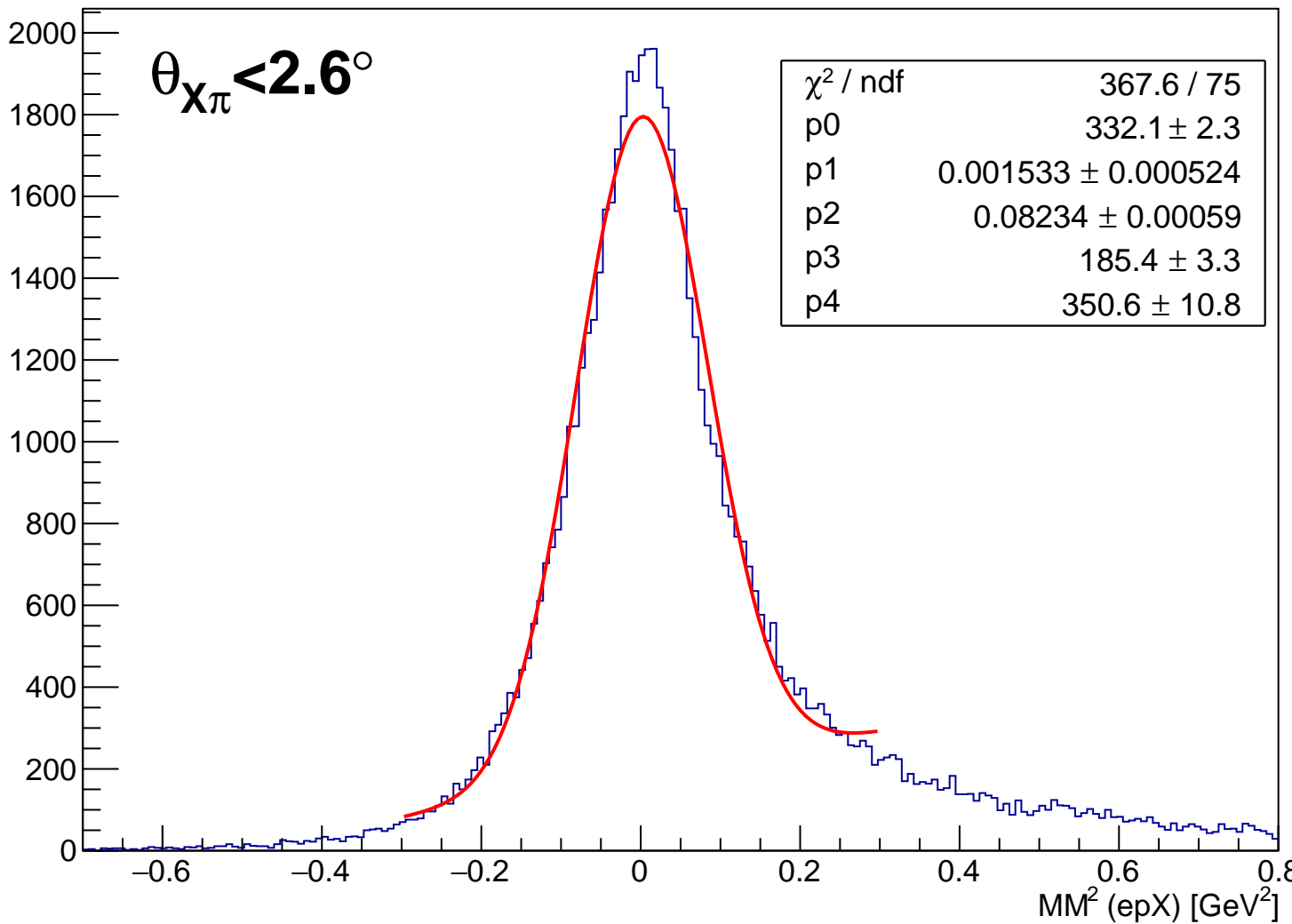


$\theta_{X\pi} < 2.4^\circ$



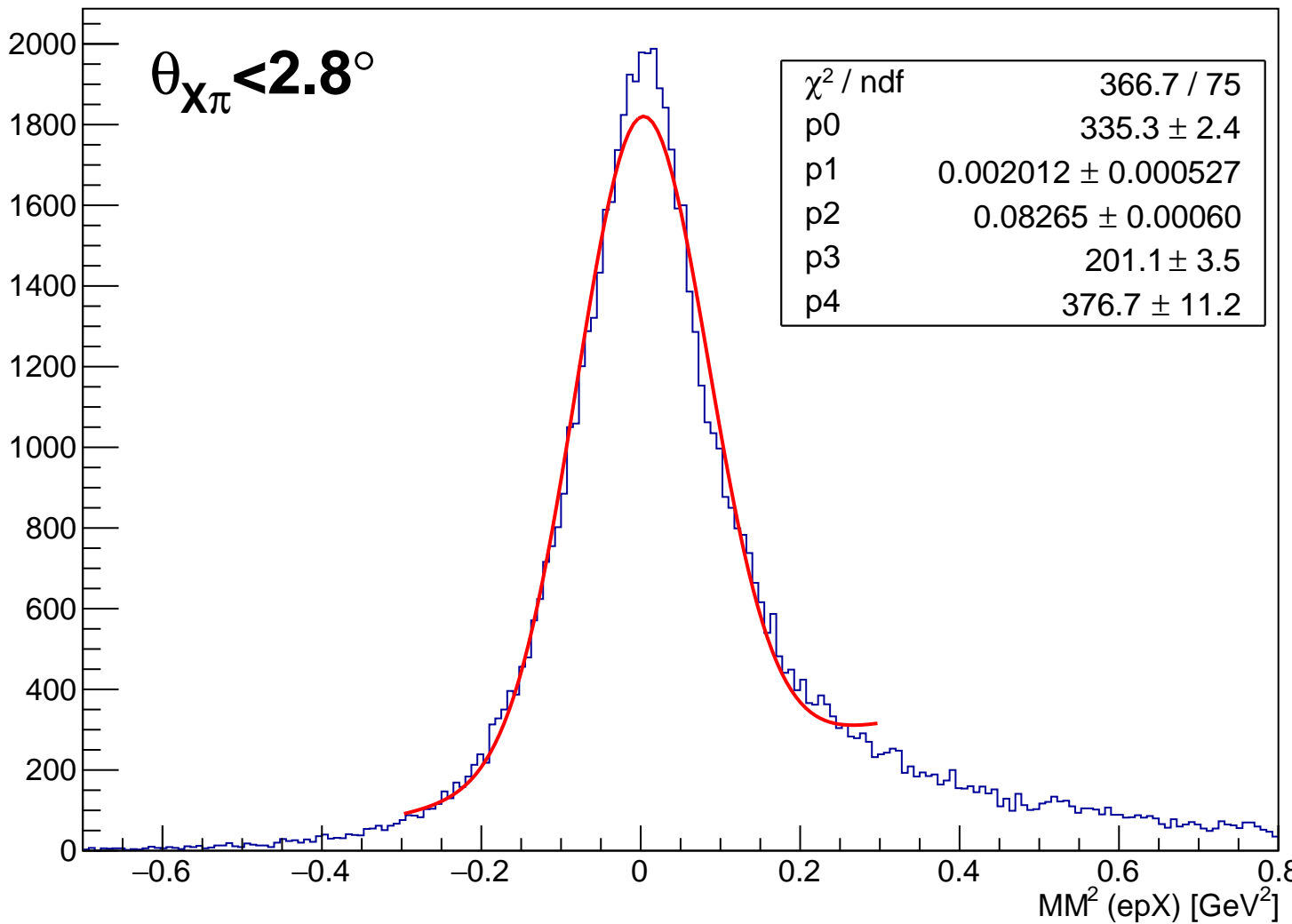


$\theta_{X\pi} < 2.6^\circ$



$\theta_{X\pi} < 2.8^\circ$

$\chi^2 / \text{ndf}$	366.7 / 75
p0	$335.3 \pm 2.4$
p1	$0.002012 \pm 0.000527$
p2	$0.08265 \pm 0.00060$
p3	$201.1 \pm 3.5$
p4	$376.7 \pm 11.2$



$\theta_{X\pi} < 3.0^\circ$

