

700

Events / ( 1 )

mean =  $109.23 \pm 0.42$ sigmaL =  $17.89 \pm 0.41$ sigmaR =  $12.30 \pm 0.27$  $\alpha = 0.857 \pm 0.023$ m0 =  $107.11 \pm 0.22$ n =  $20 \pm 14$ sigma =  $13.55 \pm 0.18$ 

500

400

300

200

100

0

40

60

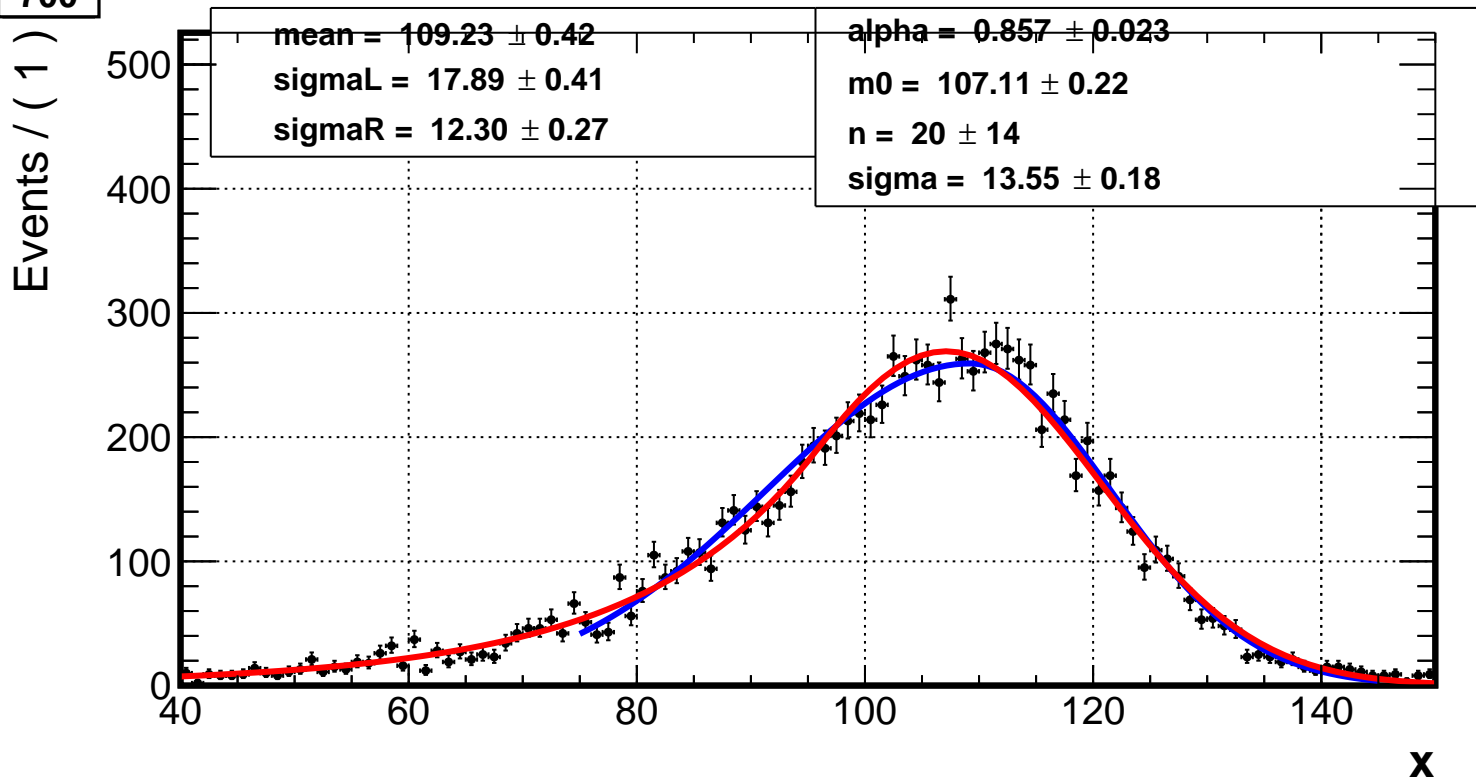
80

100

120

140

x

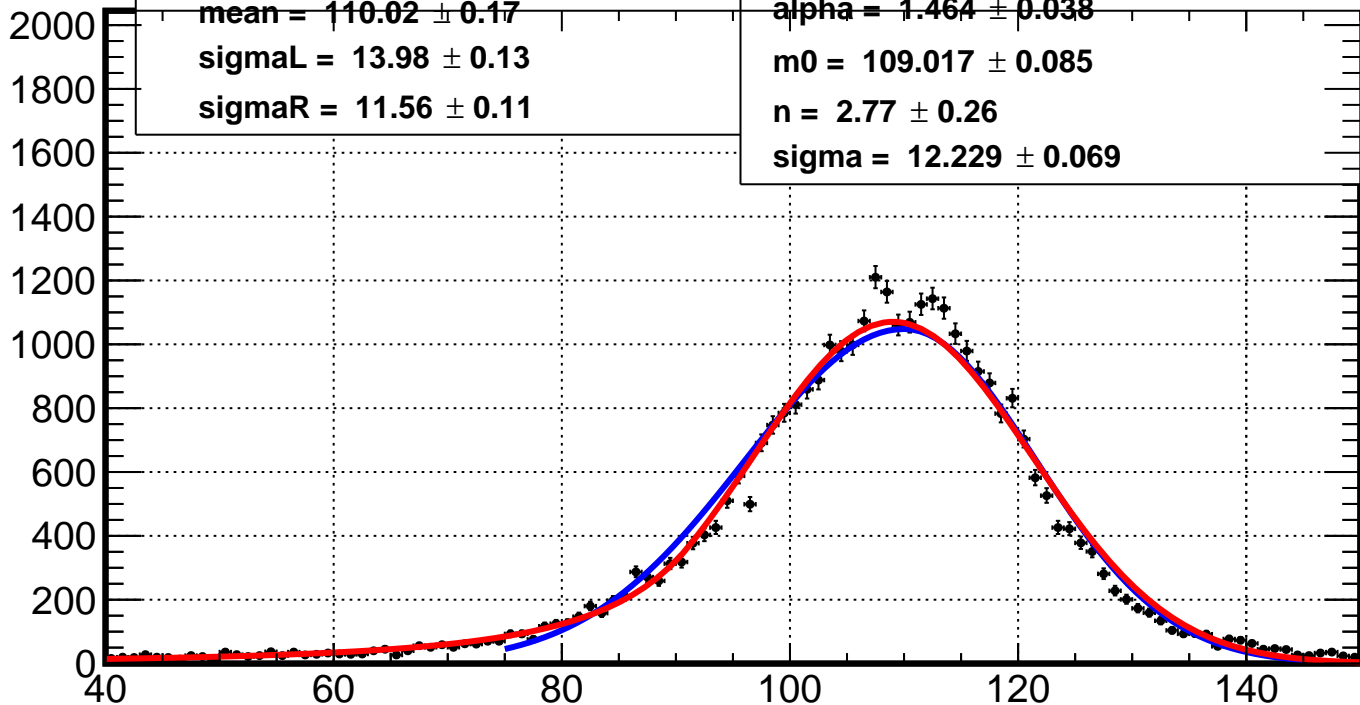


800

Events / ( 1 )

**mean =  $110.02 \pm 0.17$**   
**sigmaL =  $13.98 \pm 0.13$**   
**sigmaR =  $11.56 \pm 0.11$**

**alpha =  $1.464 \pm 0.038$**   
**m0 =  $109.017 \pm 0.085$**   
**n =  $2.77 \pm 0.26$**   
**sigma =  $12.229 \pm 0.069$**



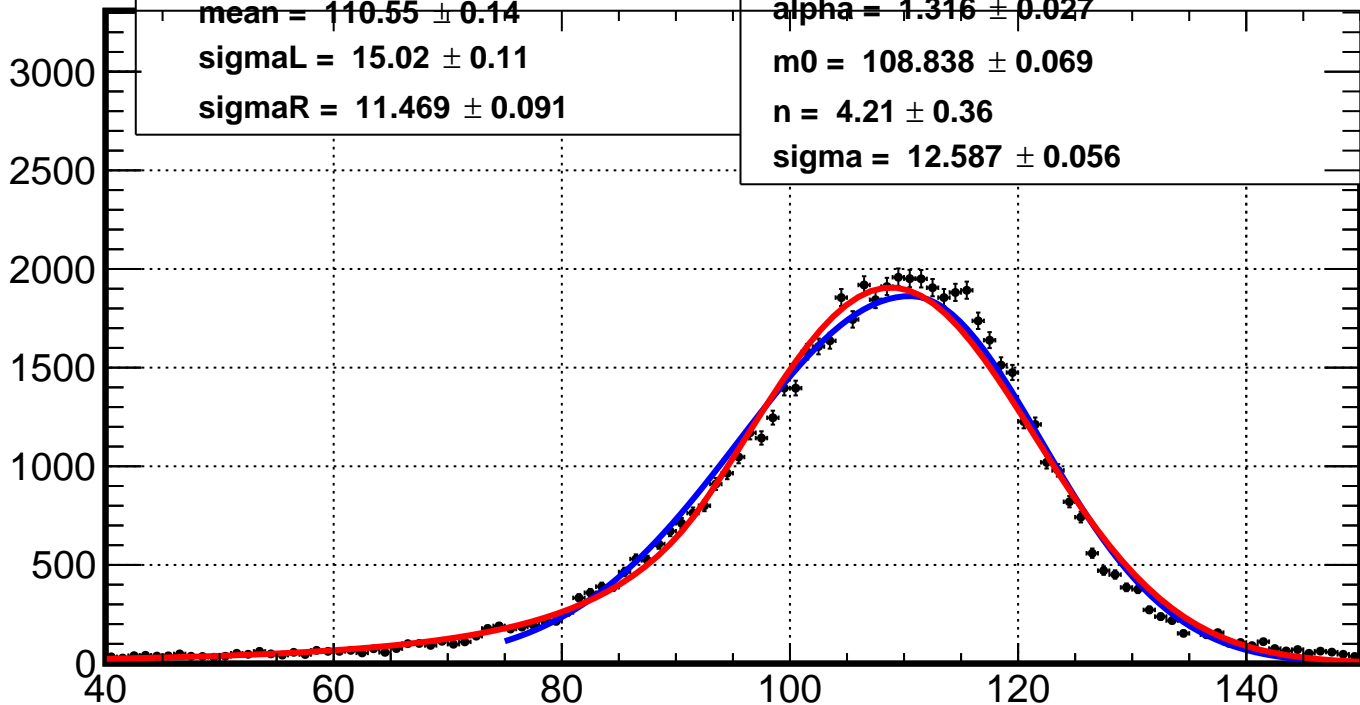
x

900

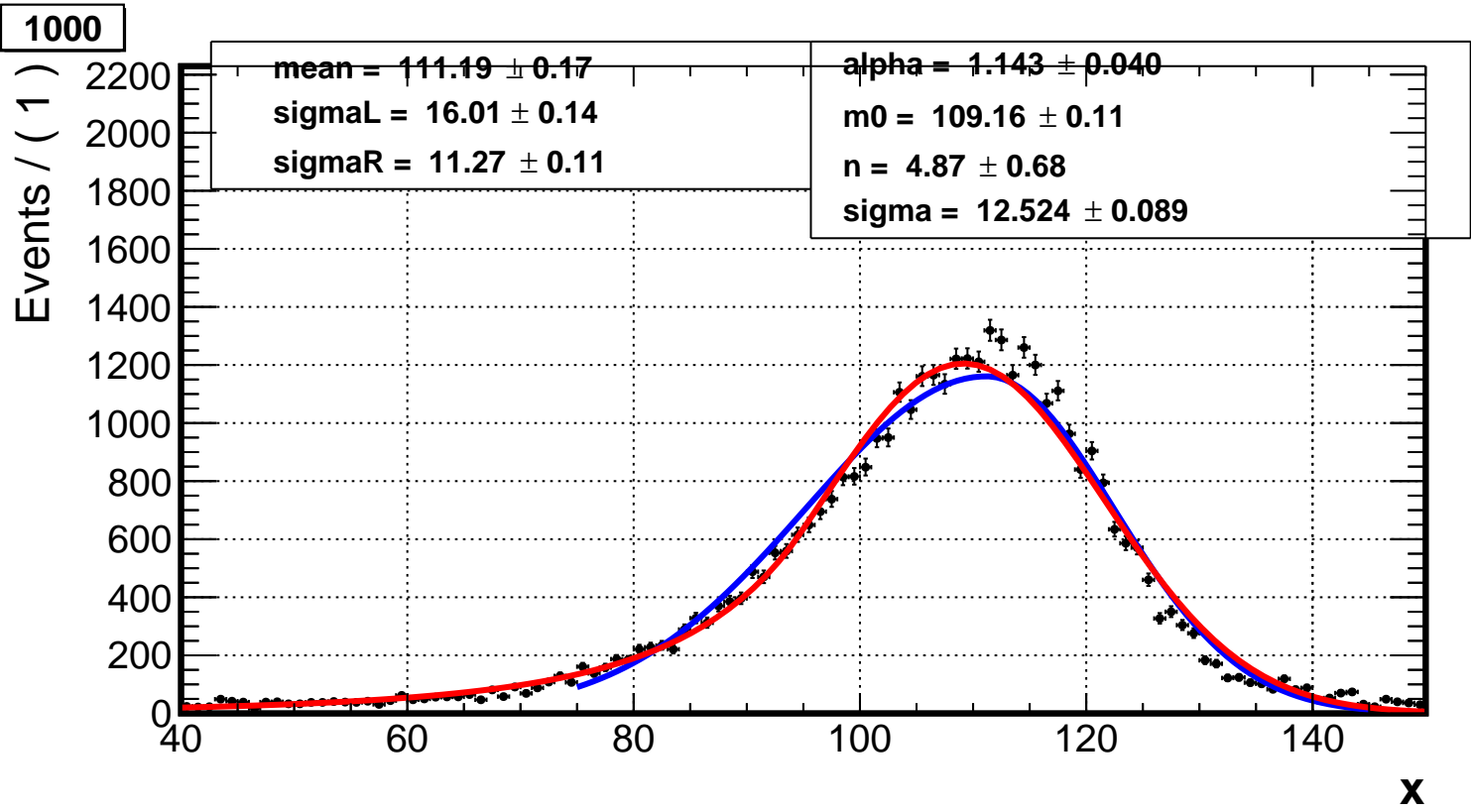
Events / ( 1 )

**mean =  $110.55 \pm 0.14$**   
**sigmaL =  $15.02 \pm 0.11$**   
**sigmaR =  $11.469 \pm 0.091$**

**alpha =  $1.316 \pm 0.027$**   
**m0 =  $108.838 \pm 0.069$**   
**n =  $4.21 \pm 0.36$**   
**sigma =  $12.587 \pm 0.056$**



x



**1200**

Events / ( 1 )

**mean =  $112.04 \pm 0.15$**   
**sigmaL =  $16.62 \pm 0.13$**   
**sigmaR =  $10.332 \pm 0.091$**

**alpha =  $0.949 \pm 0.020$**   
**m0 =  $109.607 \pm 0.087$**   
**n =  $6.48 \pm 0.69$**   
**sigma =  $11.760 \pm 0.066$**

2500

2000

1500

1000

500

0

40

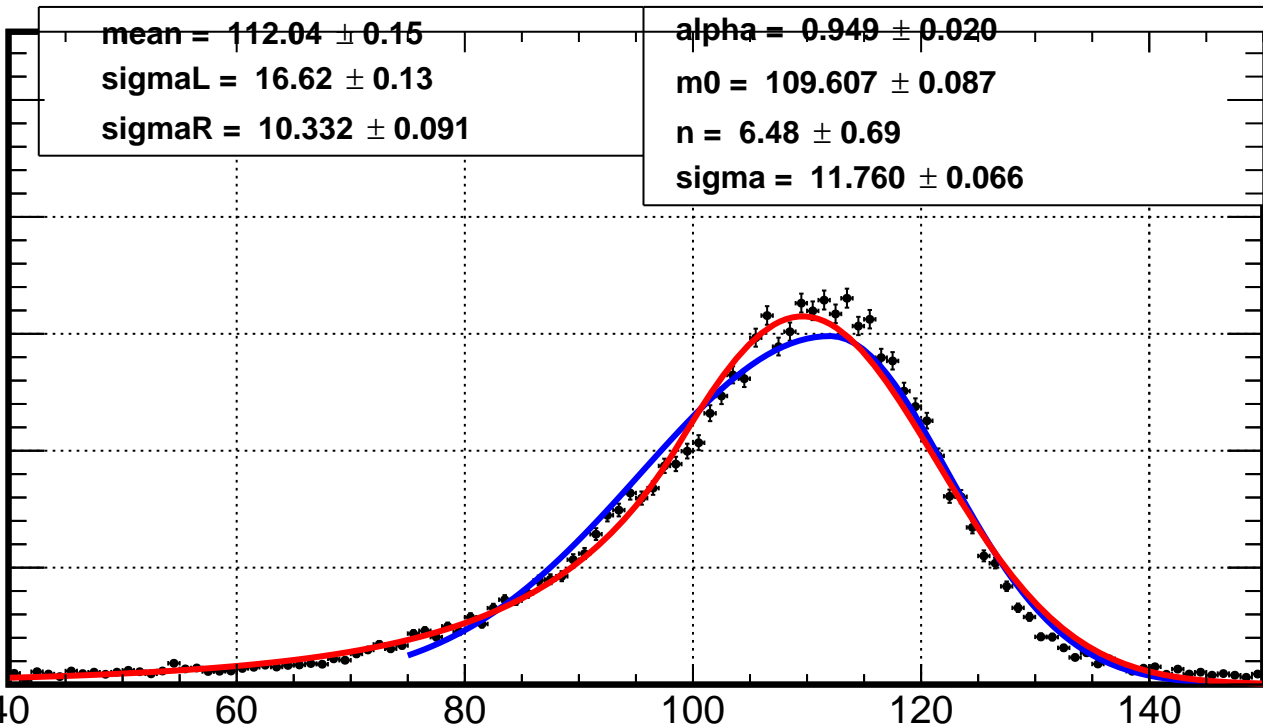
60

80

100

120

140

**x**

**1400****Events / ( 1 )**

**mean =  $111.83 \pm 0.14$**   
**sigmaL =  $16.69 \pm 0.12$**   
**sigmaR =  $10.156 \pm 0.086$**

**alpha =  $0.879 \pm 0.017$**   
**m0 =  $109.499 \pm 0.083$**   
**n =  $7.28 \pm 0.78$**   
**sigma =  $11.478 \pm 0.062$**

3000  
2500  
2000  
1500  
1000  
500  
0

40

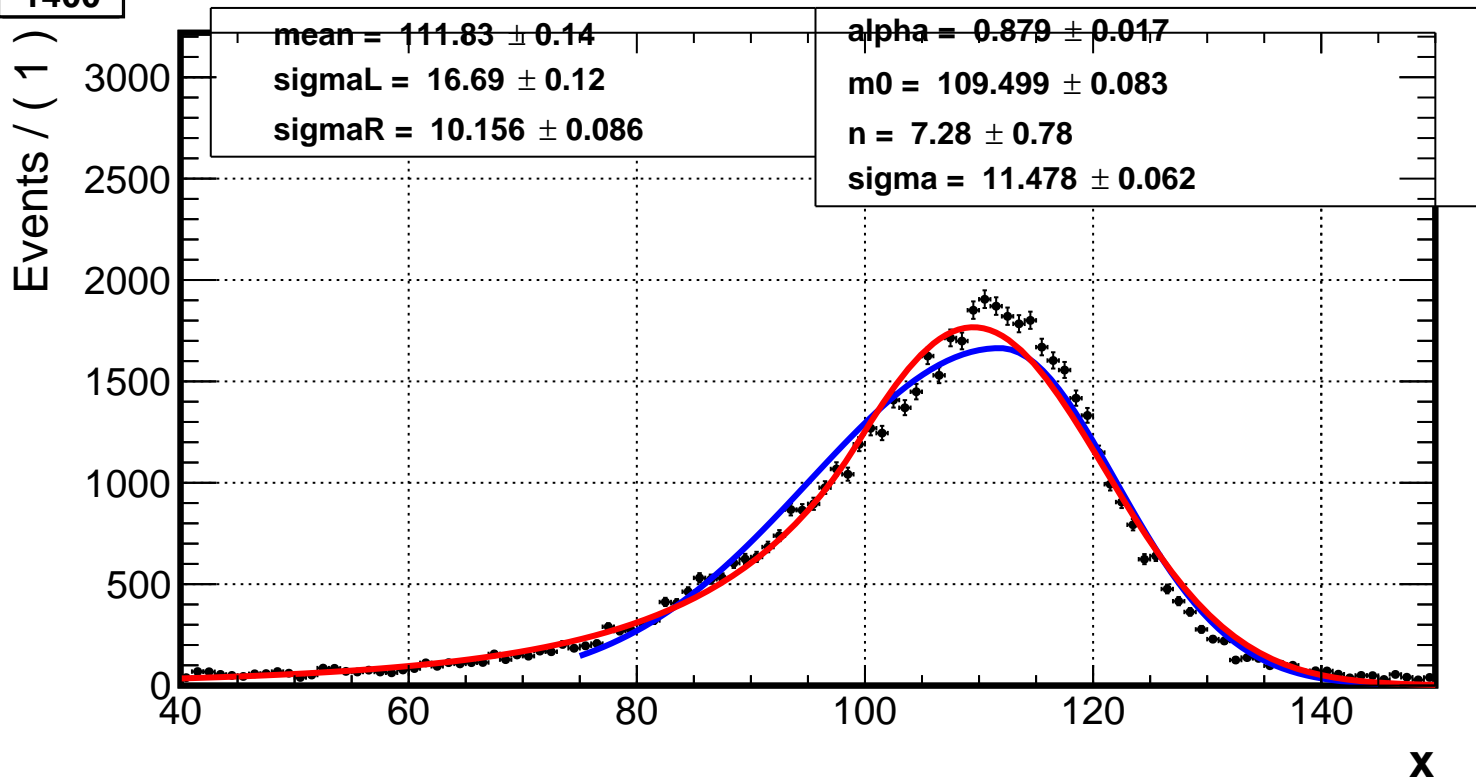
60

80

100

120

140

**x**

1600

Events / ( 1 )

mean =  $111.88 \pm 0.13$   
sigmaL =  $16.81 \pm 0.12$   
sigmaR =  $9.790 \pm 0.080$

alpha =  $0.867 \pm 0.023$   
m0 =  $109.38 \pm 0.10$   
n =  $5.56 \pm 0.58$   
sigma =  $11.183 \pm 0.073$

3000

2500

2000

1500

1000

500

0

40

60

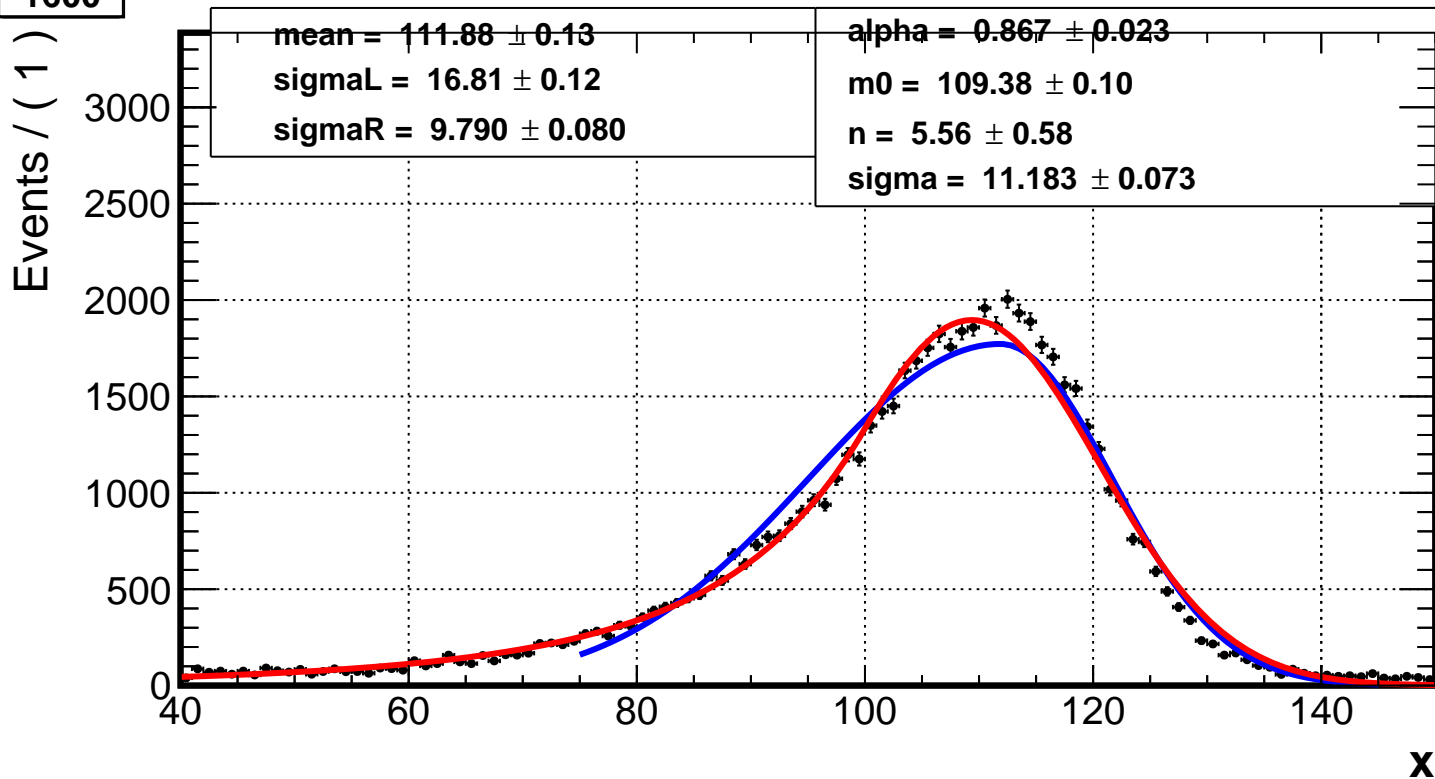
80

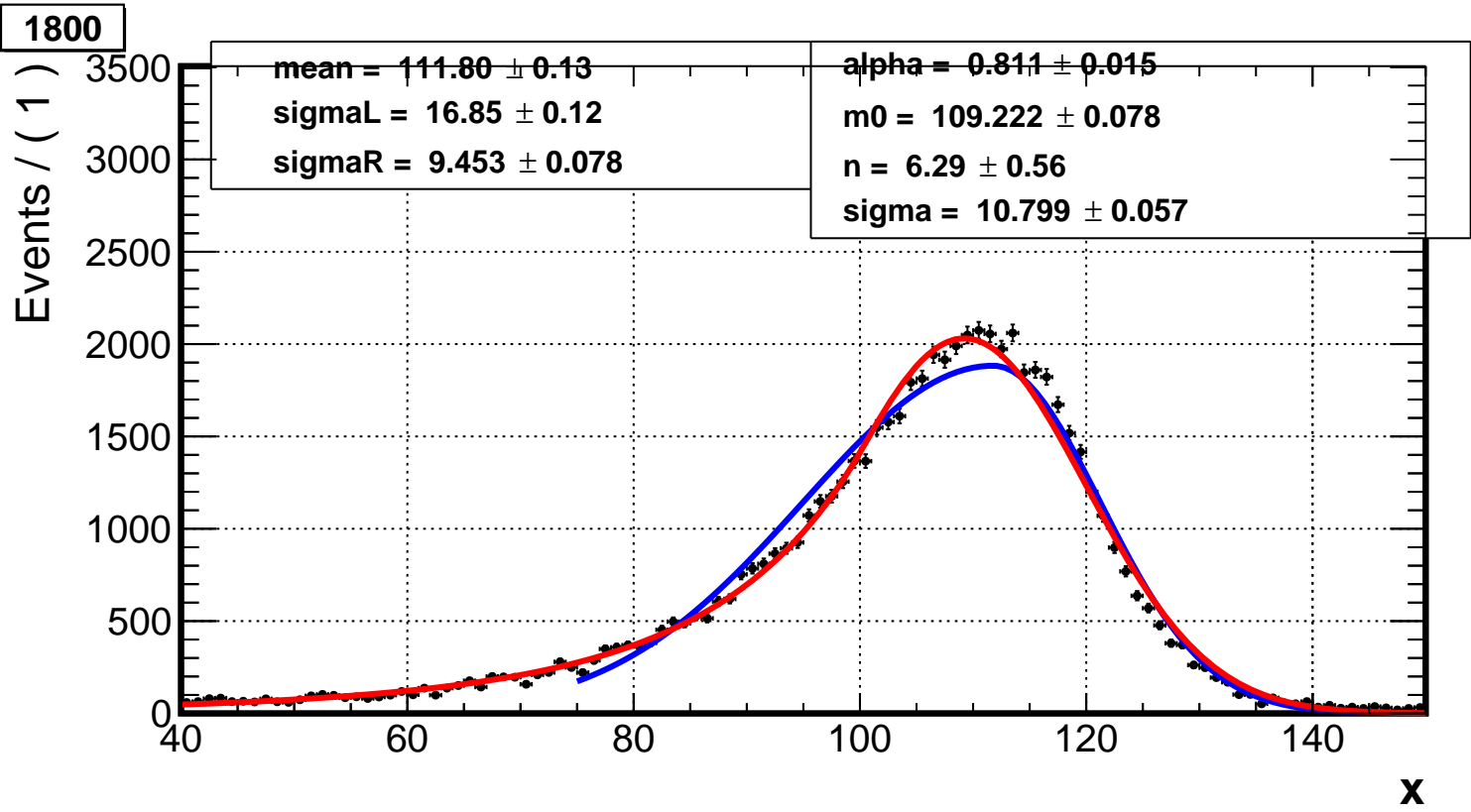
100

120

140

x







2000

Events / ( 1 )

mean =  $111.41 \pm 0.12$   
sigmaL =  $16.87 \pm 0.11$   
sigmaR =  $9.365 \pm 0.072$

alpha =  $0.807 \pm 0.017$   
m0 =  $108.769 \pm 0.085$   
n =  $6.08 \pm 0.56$   
sigma =  $10.742 \pm 0.060$

3500  
3000  
2500  
2000  
1500  
1000  
500  
0

40

60

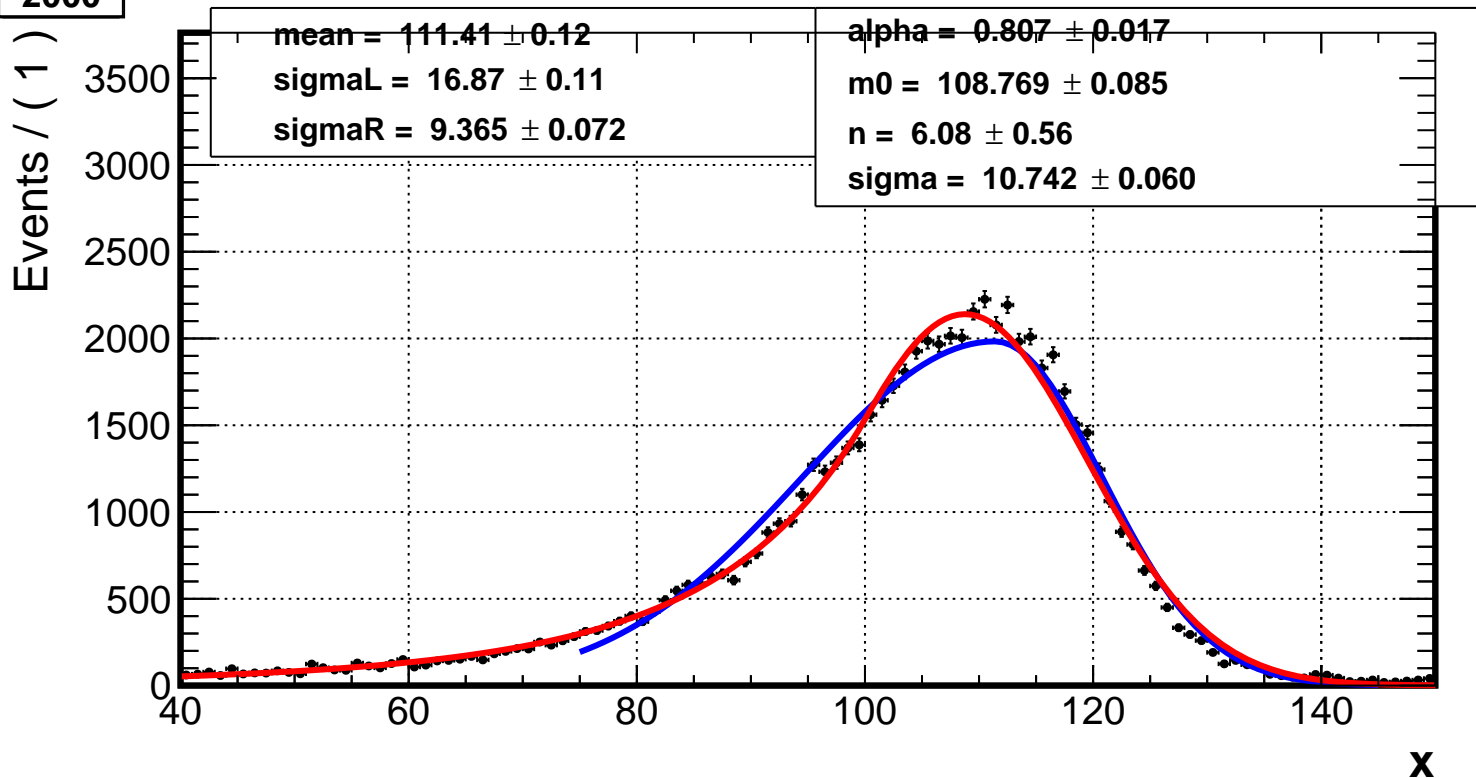
80

100

120

140

x



**2500**

Events / ( 1 )

**mean =  $110.46 \pm 0.11$**   
**sigmaL =  $17.04 \pm 0.11$**   
**sigmaR =  $9.276 \pm 0.070$**

**alpha =  $0.705 \pm 0.016$**   
**m0 =  $108.192 \pm 0.096$**   
**n =  $7.94 \pm 0.96$**   
**sigma =  $10.306 \pm 0.065$**

3500  
3000  
2500  
2000  
1500  
1000  
500  
0

40

60

80

100

120

140

**x**