

3.5

3

2.5

2

1.5

1

0.5

0

100 200 300 400 500 600 700 800 900

toy data

observed = 887.4

p-value = 0.00

$\chi^2 / \text{ndf}$	0.5003 / 96
Constant	$1.01 \pm 0.10$
Mean	$102.2 \pm 150.4$
Sigma	$148.4 \pm 131.4$

