

**Gaussian**

$$y = A_o \exp \left[ -\frac{(x - x_o)^2}{2\sigma^2} \right] + C$$

$\delta x$   
  
 $\delta y$

Parameter	Value	Uncertainty
$A_o$	5.622e+02	2.778e+01
$x_o$	3.609e+01	2.168e-01
$\sigma$	5.289e+00	1.691e-01
$C$	2.347e+00	1.412e+00

$\chi^2_{\text{reduced}} = 7.69$

