

**Quadratic**

$$y = ax^2 + bx + c$$

$\delta x$   
  
 $\delta y$

Parameter	Value	Uncertainty
<i>a</i>	4.889e+02	5.941e-01
<i>b</i>	6.967e+01	2.959e-01
<i>c</i>	2.095e-02	3.103e-02

$\chi^2_{\text{reduced}} = 1.03$

Relationship between the position of the cylinder (cm) with respect to time (s)

