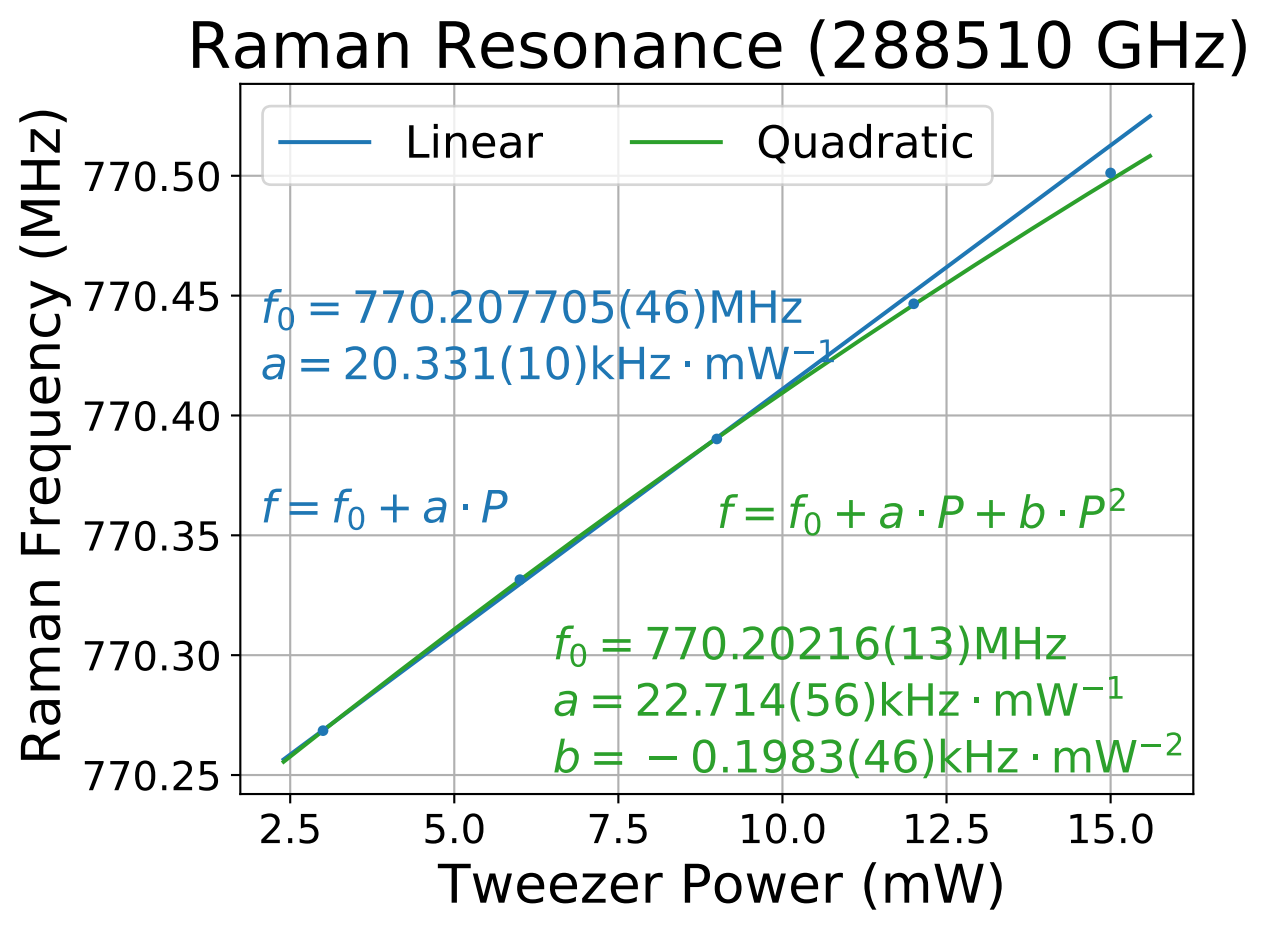
Raman Resonance (288510 GHz)
Linear
Quadratic
$f_0 = 770.207705(46)\text{MHz}$
$a = 20.331(10)\text{kHz} \cdot \text{mW}^{-1}$
$f = f_0 + a \cdot P$
$f = f_0 + a \cdot P + b \cdot P^2$
$f_0 = 770.20216(13)\text{MHz}$
$a = 22.714(56)\text{kHz} \cdot \text{mW}^{-1}$
$b = -0.1983(46)\text{kHz} \cdot \text{mW}^{-2}$
Raman Frequency (MHz)
770.50
770.45
770.40
770.35
770.30
770.25
2.5
5.0
7.5
10.0
12.5
15.0
Tweezer Power (mW)