I have the following equation:

$$E = \left[16 \, \pi^2 \left(13.605\right)^2\right] \times \frac{1}{\left(eig\right)^2} \times \frac{1}{\left(eig\right)^2$$

I need to get some values from the following tot file (éigenvalue\_noch.dat) in support of the above equation:

Delta = 1, if 
$$ec-ev=eig$$
  
= 0, if  $ec-ev\neq eig$ 

$$Dip_{-} = Dip \cdot Graussian$$

$$= \frac{1}{0.5 \sqrt{2} \pi}$$
Graussian =  $\frac{1}{0.5 \sqrt{2} \pi}$ 

X -> x axis, all values from 0 to 500

NOW, I need to have a pathon script to plot E vs X

