```python
import numpy as np
import matplotlib.pyplot as plt

data = np.loadtxt('Donnees.txt',skiprows = 1)

xexp = data[:,0]*1e-2
deltax = data[:,1]*1e-2
Texp = data[:,2]
deltaT = data[:,3]
m = 200*1e-3
l = 28.6*1e-2
g = 9.81
x = np.linspace(9*1e-2,25*1e-2,100)

Itheo = m*(x**2 + l**2)
Iexp = m*g*(l-xexp)*(Texp/(2*np.pi))**2
plt.plot(xexp,Iexp,'o',label='Valeurs expérimentales')
plt.plot(x,Itheo,label='Valeurs théoriques')
plt.plot(x,Itheo+0.007,label='Valeurs théoriques corrigées')
plt.xlabel('Longueur x en m')
plt.ylabel("Moment d'inertie en kg.m²")
plt.errorbar(xexp,Iexp,xerr=deltax,yerr=m*g*(l-deltax)*(deltaT/(2*np.pi))**2,fmt='o')
plt.legend(loc='upper left')
plt.savefig('TP 20.png')
plt.show()
```