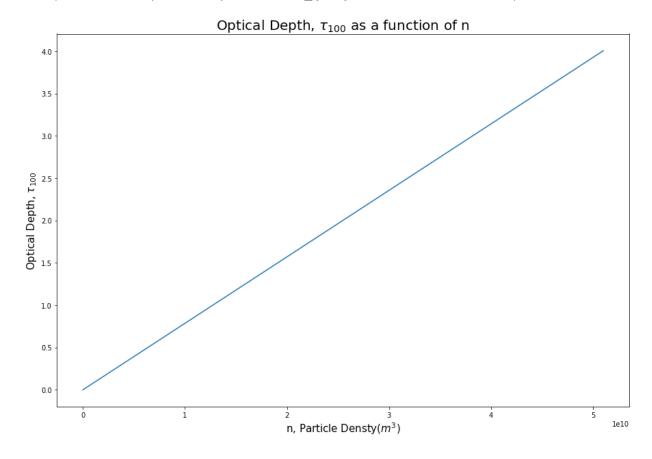
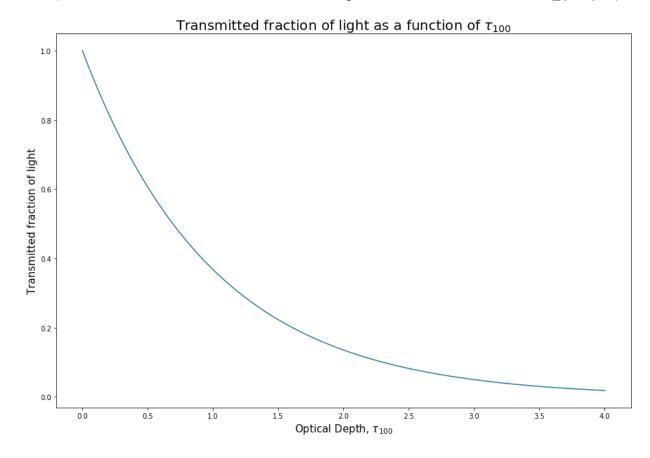
```
In [1]: import numpy as np
import matplotlib.pyplot as plt
```

Out[34]: Text(0.5, 1.0, 'Optical Depth, \$\\tau_{100}\$ as a function of n')



```
In [35]: plt.figure(figsize=(15,10))
    transmitted = np.exp(-1*opDepth) # Using I = I0*exp(-tau)
    plt.plot(opDepth, transmitted)
    plt.ylabel('Transmitted fraction of light', fontsize=15)
    plt.xlabel(r'Optical Depth, $\tau_{100}$', fontsize=15)
    plt.title(r'Transmitted fraction of light as a function of $\tau_{100}$', fontsize
```

Out[35]: Text(0.5, 1.0, 'Transmitted fraction of light as a function of \$\\tau_{100}\$')



```
In [36]: plt.figure(figsize=(15,10))
    transmitted = np.exp(-1*opDepth) # Using I = I0*exp(-tau)
    plt.plot(n_s, transmitted)
    plt.ylabel('Transmitted fraction of light', fontsize=15)
    plt.xlabel(r'n, Particle Densty$(m^3)$', fontsize=15)
    plt.title(r'Transmitted fraction of light as a function of $n$', fontsize=20)
```

Out[36]: Text(0.5, 1.0, 'Transmitted fraction of light as a function of \$n\$')

