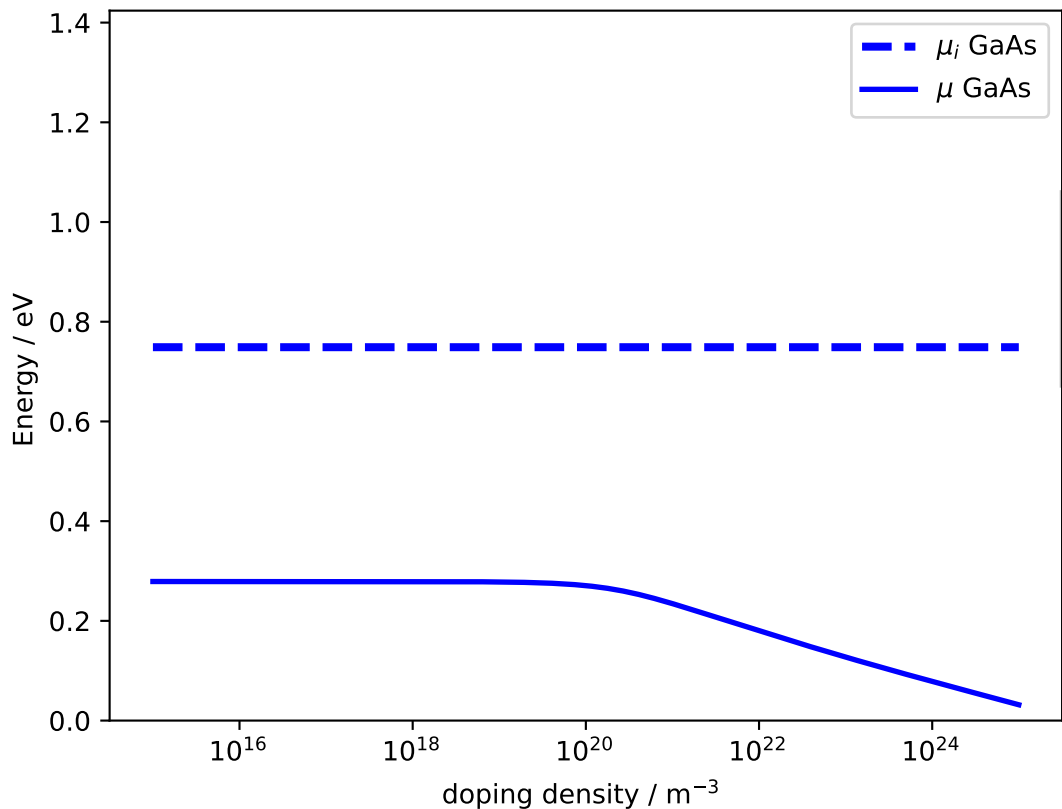


Chemical Potential vs doping density for GaAs at  $T = 300\text{K}$



GaAs Pa

$$E_g = 1.4$$

$$m_n^* = 0.0$$

$$m_p^* = 0.$$