$$F(\epsilon_i) = \begin{cases} \frac{1}{e^{(\epsilon_i - \mu)/k_B T} + 1} & \text{Fermi-Dirac} \\ \frac{1}{e^{(\epsilon_i - \mu)/k_B T} - 1} & \text{Bose-Einstein} \end{cases}$$

$$\langle N \rangle = \begin{cases} \sum_i g(\epsilon_e) F(\epsilon_i) & \text{Discrete} \\ \int \mathrm{d}\epsilon \, \rho(\epsilon) F(\epsilon) & \text{Continuous} \end{cases}$$