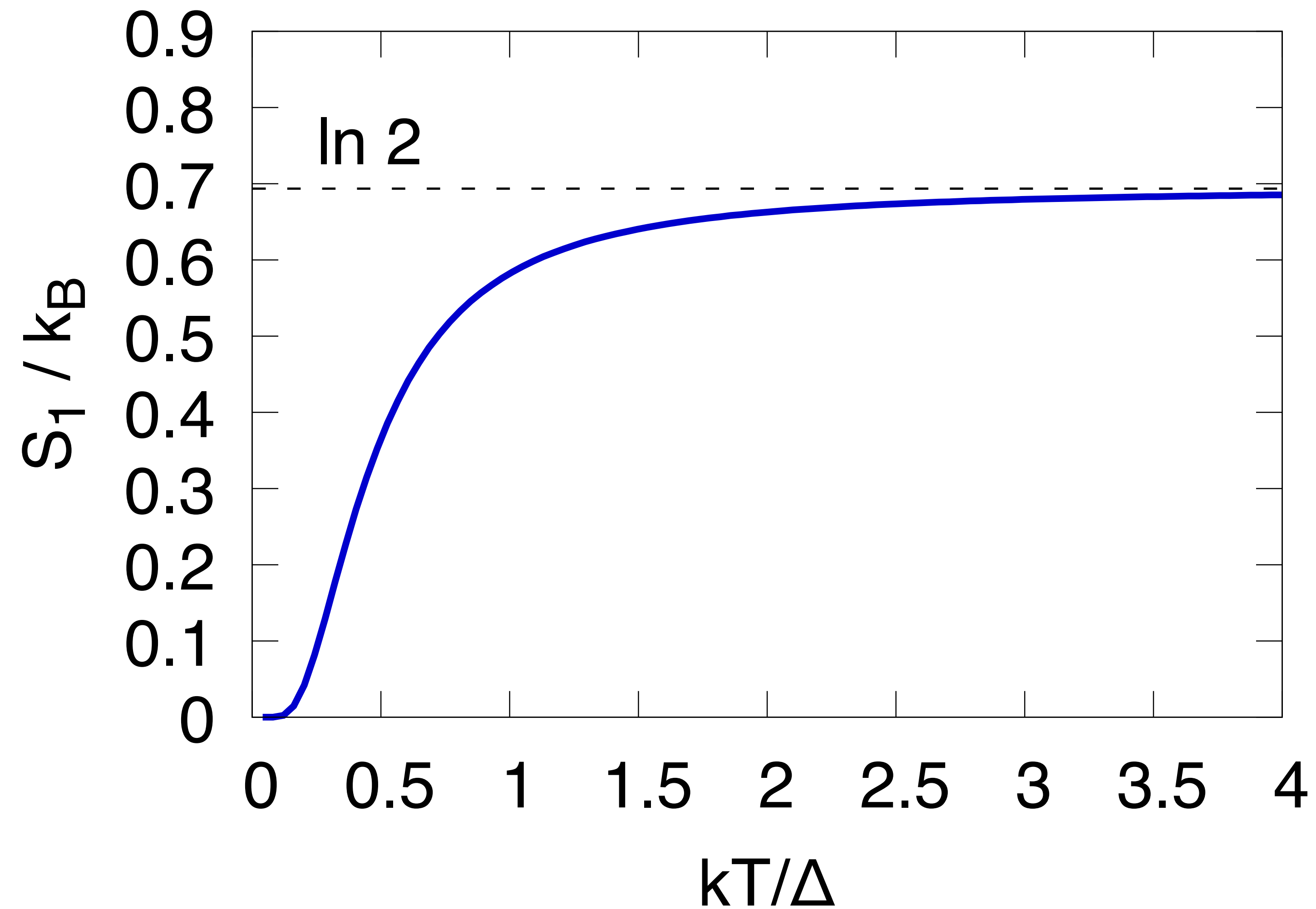
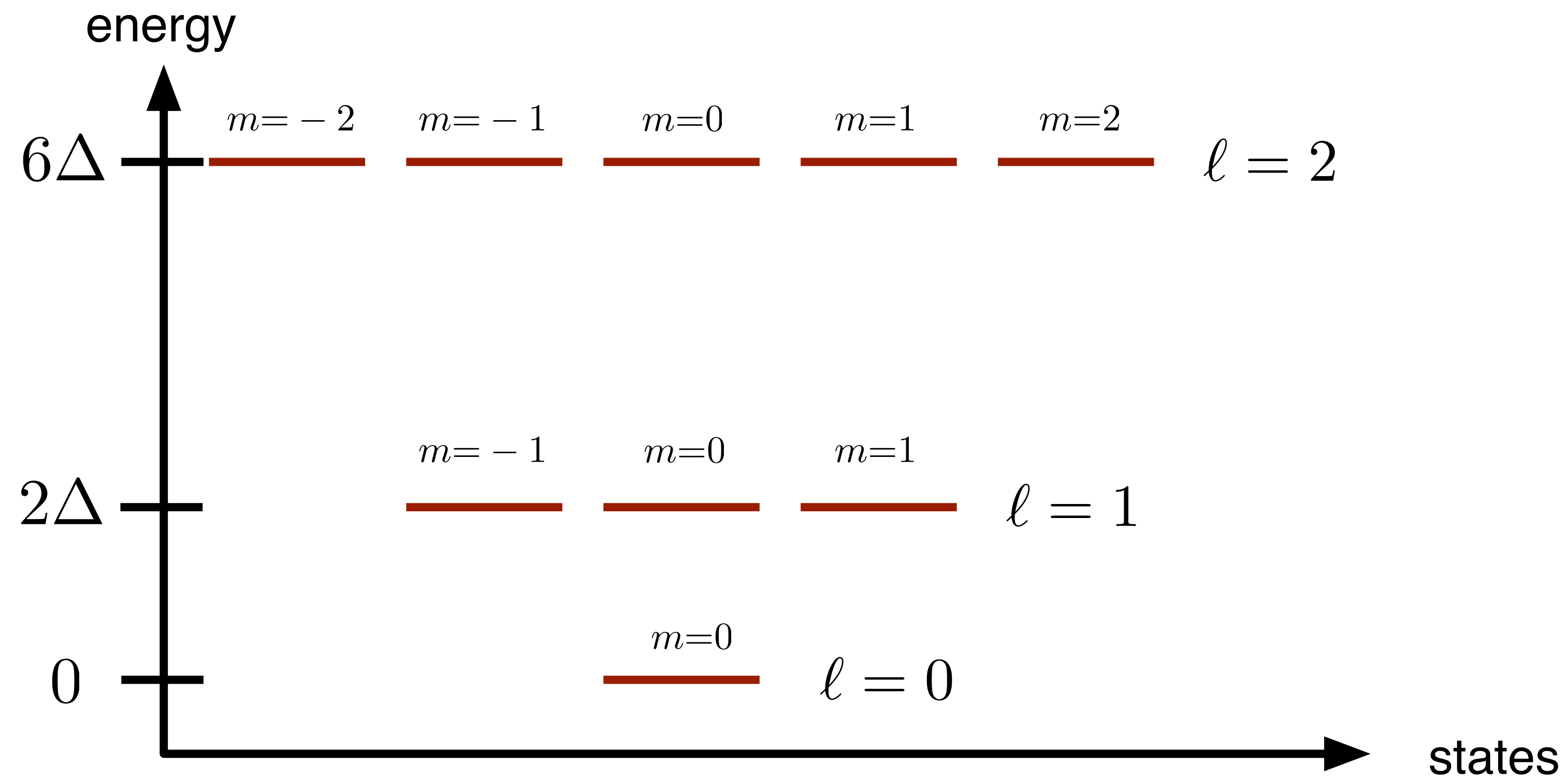


Entropy of Two State System



Energy Levels of Rotation:



For example for $\ell = 2$:

$$\epsilon_2 = \ell(\ell + 1)\Delta = 6\Delta$$