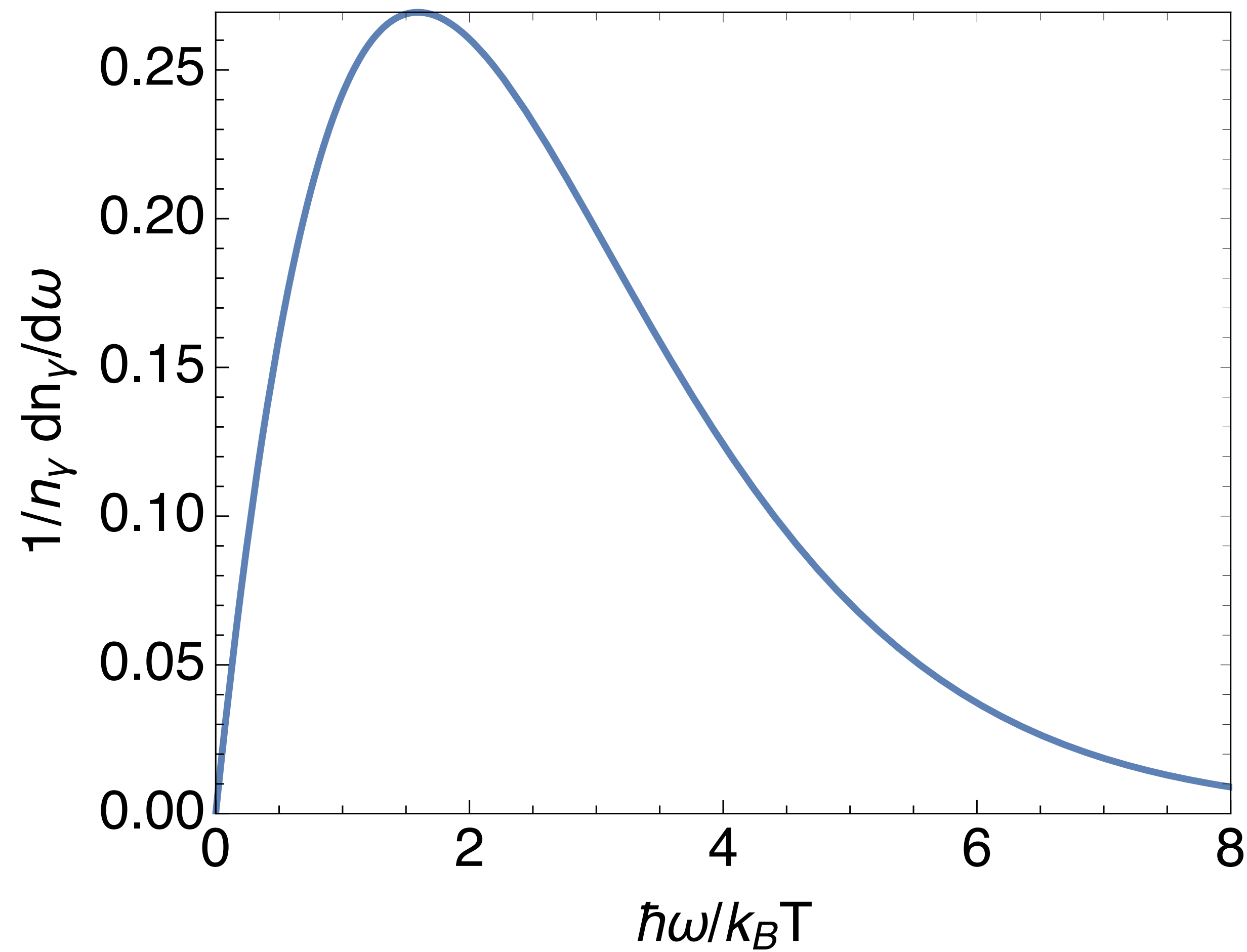


# Photon Spectrum

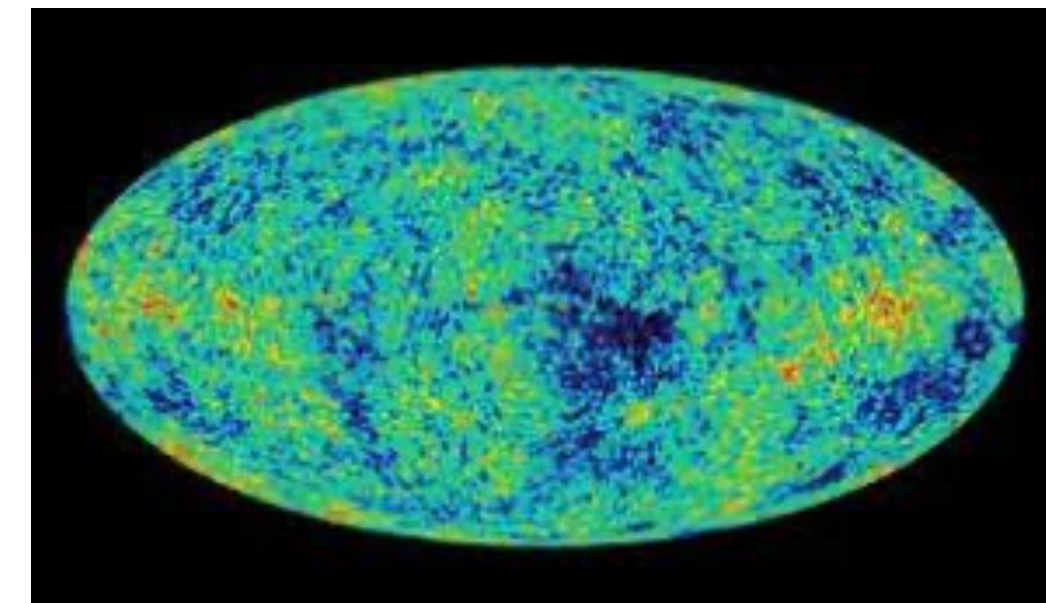
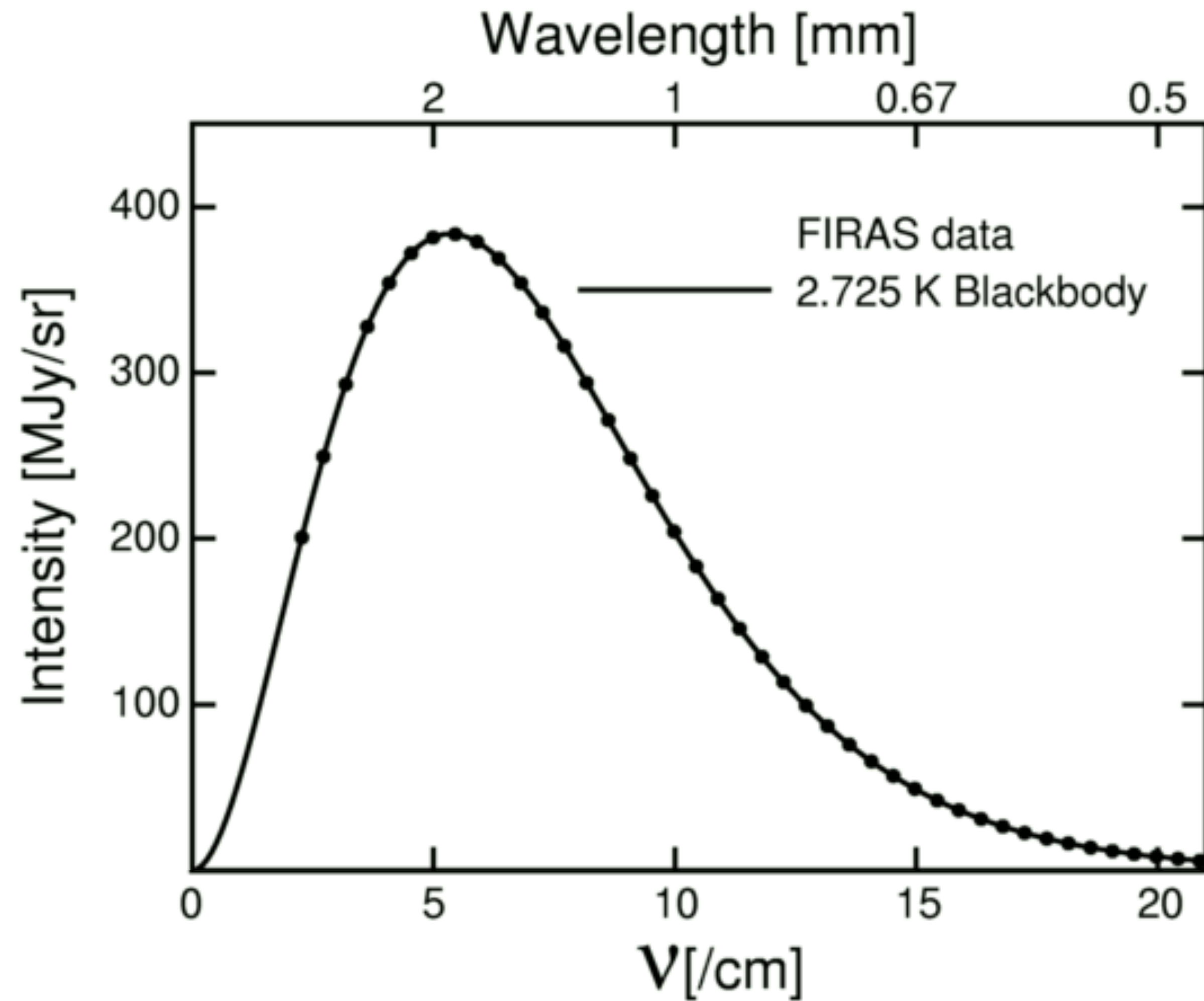
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$$\frac{dn_\gamma}{d\omega} \propto \frac{\omega^2}{e^{\hbar\omega/k_B T} - 1}$$

# The cosmic microwave background

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The intensity is proportional to :

$$I \propto \frac{\nu^3}{e^{h\nu/k_B T} - 1}$$

The frequency is  $\nu$  and  $h\nu = \hbar\omega$