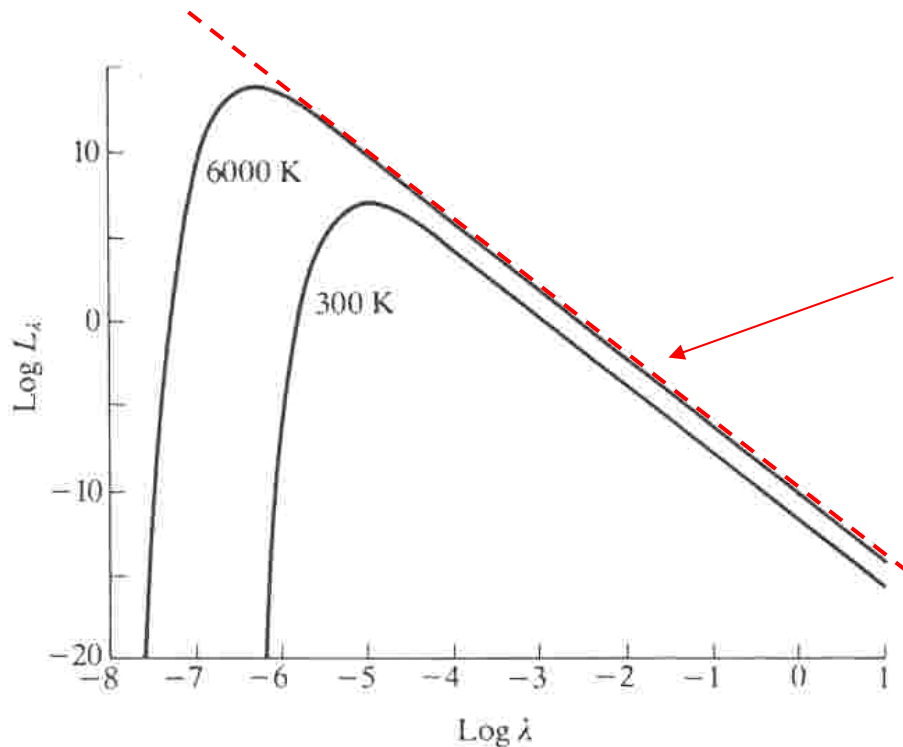


Radiazione del corpo nero

Radianza spettrale del corpo nero:
$$L_\lambda = \frac{2hc^2}{\lambda^5 \left(e^{hc/\lambda kT} - 1 \right)} \left[\frac{\text{W}}{\text{m}^3 \text{sr}} \right]$$

Costante di Planck $h = 4.13567 \cdot 10^{15} \text{ [eVs]}$

Costante di Boltzmann $k = 1.38 \cdot 10^{-23} \left[\frac{\text{J}}{\text{K}} \right]$



**Approssimazione di
Rayleigh- Jeans:**

$$\frac{hc}{\lambda kT} \ll 1 \Rightarrow L_\lambda \approx \frac{2kT}{\lambda^2} \left[\frac{\text{W}}{\text{m}^3 \text{sr}} \right]$$