



COMPTONIZATION

$$B(\nu, T') = \frac{2h\nu^3}{c^2} \frac{1}{e^{h\nu/KT'} - 1}$$

$$T' = T_0 \left(1 + \gamma \left(\frac{x(1+e^{-x})}{1-e^{-x}} - 4 \right) \right)$$

$$x = \frac{h\nu}{KT_0}$$

RELEASE OF LATENT HEAT

$$B(\nu, T) = \frac{2h\nu^3}{c^2} \frac{1}{e^{\frac{h\nu - \mu}{KT}} - 1}$$