

Radius of Strömgren Sphere:

$$r = R = \left[\frac{3}{4\pi} \cdot \frac{L(0)}{N_H^2 \propto (T)} \right]$$

Ionization Potential:

The potential energy of an energy level is given by the "Rydberg Formula":

$$E_n = -Z^2 \cdot \frac{m_e e^4}{8 \epsilon_0^2 h^2} \cdot \left(\frac{1}{n^2} \right)$$

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