

Constants

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Speed of light in a vacuum

$$c = 2.99792458 \times 10^8 \text{ m/s}$$

Mass of a neutron

$$\begin{aligned} m &= 1.0086649 \text{ u} \\ &= 1.67493 \times 10^{-27} \text{ kg} \\ &= 939.57 \frac{\text{MeV}}{c^2} \end{aligned}$$

Boltzmann constant

$$\begin{aligned} k &= 1.380650 \times 10^{-23} \text{ J/K} \\ &= 8.61734 \times 10^{-5} \text{ eV/K} \end{aligned}$$

Plank constant

$$\begin{aligned} h &= 6.626070040 \times 10^{-34} \text{ J s} \\ &= 4.135667662 \times 10^{-15} \text{ eV s} \\ \hbar &= \frac{h}{2\pi} \end{aligned}$$