

Theoretical Evaluation of Planck's Constant

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There seems to be an error of two orders if I have not committed any error, I distrust the value E sub n

$$E = S/T$$

$$E = \frac{E_c}{E_n}$$

$$T = \frac{T_c}{T_n}$$

$$E_c = E_n E = E_n S/T = E_n T_n S/T_c = E_n T_n S/T_c$$

$$h = E_n T_n \frac{S_n}{1cm}$$

$$h = \left(\frac{E_n T_n S_n}{R1cm} \right) (1 + s)^{\frac{1}{3}}$$

$$h = \left(\frac{E_n T_n S_n}{R1cm} \right) (1 + 0.00697075)^{\frac{1}{3}}$$

$$h = \left(\frac{1.49175 \times 10^{-3} erg \cdot 1.51983 \times 10^{-16} s \cdot 4.5563 \times 10^{-8} cm}{156.4444 \times 1cm} \right) (1 + 0.00697075)^{\frac{1}{3}} =$$

$$6.6183 \times 10^{-29} ergs$$

$$h = 6.6243162 \times 10^{-27} ergs$$

Parece existir un error de dos ordenes si no he cometido algún error?

$$E_n = 1.49175 \times 10^{-3} erg$$

$$T_n = 151.983 as = 1.51983 \times 10^{-16} s$$

$$S_n = 45.563 nm = 4.5563 \times 10^{-8} cm$$

$$\text{magneticmass } 0.00639205$$

$$\text{electricmass } 0.0005787$$

$$1 + 0.00639205 + 0.0005787 = 1.007 = 1.007$$