

Evaluation de my, e and factor KG2MEV  
Script 1989 a  
20091121

$$\text{hb} := 1.0545919 \cdot 10^{-34}$$

$$\text{c} := 2.997925 \cdot 10^8$$

$$\gamma := 6.6732 \cdot 10^{-11}$$

$$\text{R} := 376.72482$$

$$\text{s}_0 := 1$$

$$\mu := \frac{\sqrt[4]{\pi} \cdot \sqrt[3]{3 \cdot \pi \cdot \text{s}_0 \cdot \gamma \cdot \text{hb}} \cdot \sqrt{\text{c} \cdot \frac{\text{hb}}{3 \cdot \gamma}}}{\text{c} \cdot \text{s}_0}$$

$$\mu = 2.2590274282069114 \times 10^{-31}$$

$$\eta := \frac{\pi}{\sqrt[4]{(\pi^4 + 4)}}$$

$$\theta := 5 \cdot \eta + 2 \cdot \sqrt{\eta} + 1$$

$$\text{eq} := \frac{3}{4 \cdot \pi^2} \cdot \sqrt{2 \cdot \theta \cdot \frac{\text{hb}}{\text{R}}}$$

$$\text{eq} = 1.6021916987446247 \times 10^{-19}$$

$$\text{KG2MEV} := \frac{10^{-6}}{\text{eq}} \cdot \text{c}^2$$

$$\text{KG2MEV} = 5.609537430924823 \times 10^{29}$$