

Conversion Table

Units: $\hbar = c = k_B = 1$.

$$\begin{aligned} [\text{Row heading}] &= [\text{Table entry}] \times [\text{Column heading}] \\ [\text{Column heading}]^{-1} &= [\text{Table entry}] \times [\text{Row heading}]^{-1} \end{aligned}$$

	GeV	K	gm	cm ⁻¹	s ⁻¹	M_P	M_\odot	erg
GeV		$1.16 \cdot 10^{13}$	$1.78 \cdot 10^{-24}$	$5.06 \cdot 10^{13}$	$1.52 \cdot 10^{24}$	$8.18 \cdot 10^{-20}$	$8.93 \cdot 10^{-58}$	$1.60 \cdot 10^{-3}$
K	$8.62 \cdot 10^{-14}$		$1.53 \cdot 10^{-37}$	4.34	$1.30 \cdot 10^{11}$	$7.05 \cdot 10^{-33}$	$7.70 \cdot 10^{-71}$	$1.38 \cdot 10^{-16}$
gm	$5.62 \cdot 10^{23}$	$6.52 \cdot 10^{36}$		$2.84 \cdot 10^{37}$	$8.53 \cdot 10^{47}$	$4.60 \cdot 10^4$	$5.02 \cdot 10^{-34}$	$9.00 \cdot 10^{20}$
cm ⁻¹	$1.98 \cdot 10^{-14}$	0.229	$3.51 \cdot 10^{-38}$		$3.00 \cdot 10^{10}$	$1.62 \cdot 10^{-33}$	$1.77 \cdot 10^{-71}$	$3.17 \cdot 10^{-17}$
s ⁻¹	$6.58 \cdot 10^{-25}$	$7.64 \cdot 10^{-12}$	$1.17 \cdot 10^{-48}$	$3.33 \cdot 10^{-11}$		$5.38 \cdot 10^{-44}$	$5.88 \cdot 10^{-82}$	$1.05 \cdot 10^{-27}$
M_P	$1.22 \cdot 10^{19}$	$1.42 \cdot 10^{32}$	$2.17 \cdot 10^{-5}$	$6.17 \cdot 10^{32}$	$1.85 \cdot 10^{43}$		$1.09 \cdot 10^{-38}$	$1.95 \cdot 10^{16}$
M_\odot	$1.12 \cdot 10^{57}$	$1.30 \cdot 10^{70}$	$1.99 \cdot 10^{33}$	$5.67 \cdot 10^{70}$	$1.70 \cdot 10^{81}$	$9.16 \cdot 10^{37}$		$1.79 \cdot 10^{54}$
erg	$6.24 \cdot 10^2$	$7.24 \cdot 10^{15}$	$1.11 \cdot 10^{-21}$	$3.16 \cdot 10^{16}$	$9.49 \cdot 10^{26}$	$5.11 \cdot 10^{-17}$	$5.58 \cdot 10^{-55}$	

Others :

$$\begin{aligned} 1 \text{ coulomb} &= 1.89 \cdot 10^{18} \\ 1 \text{ gauss} &= 1.96 \cdot 10^{-20} \text{ GeV}^2 \end{aligned}$$