

Units

December 13, 2023

1 Unit systems

Note: the adiv energy unit is called the Jerk, whereas in cgs units it is called the erg.

2 adiv

variable	definition	in SI
Length	cm	
Mass	g	
Time	sh	
Temperature	KeV	
Velocity	cm/sh	
Energy	$\text{g} \cdot \text{cm}^2 / \text{sh}^2$	$10^9 \text{ J} (10^3 \text{ MJ})$
Pressure	$\text{g} / \text{cm} \cdot \text{sh}^2$	$10^{15} \text{ Pa} (10^4 \text{ Mbar})$
Density	g / cm^3	
Intensity	g / sh^3	$10^{21} \text{ W/m}^2 (10^{17} \text{ W/cm}^2)$

3 bdiv

variable	definition	in SI
Length	cm	
Mass	g	
Time	us	
Temperature	KeV	
Velocity	cm/us	
Energy	$\text{g} \cdot \text{cm}^2 / \text{us}^2$	$10^5 \text{ J} (10^{-1} \text{ MJ})$
Pressure	$\text{g} / \text{cm} \cdot \text{us}^2$	
Density	g / cm^3	
Intensity	g / us^3	$10^{15} \text{ W/m}^2 (10^{11} \text{ W/cm}^2)$