

# Stjernerne struktur og udvikling – I

Navn	Symbol	cgs enheder	Alternative enheder
Gravitationskonstanten	$G$	$6.6743 \times 10^{-8} \text{ cm}^3 \text{ g}^{-1} \text{ s}^{-2}$	
Elementarladning	$e$	$4.8032 \times 10^{-10} \text{ cm}^{3/2} \text{ g}^{1/2} \text{ s}^{-1}$	
Lysets hastighed	$c$	$2.99792458 \times 10^{10} \text{ cm s}^{-1}$	
Planck's konstant	$h$	$6.6261 \times 10^{-27} \text{ cm}^2 \text{ g s}^{-1}$	
Boltzmann's konstant	$k$	$1.3807 \times 10^{-16} \text{ cm}^2 \text{ g s}^{-2} \text{ K}^{-1}$	$8.6173 \times 10^{-5} \text{ eV K}^{-1}$
Stefan-Boltzmann konst.	$\sigma$	$5.6704 \times 10^{-5} \text{ g s}^{-3} \text{ K}^{-4}$	
elektron-masse	$m_e$	$9.1094 \times 10^{-28} \text{ g}$	$0.511 \text{ MeV}/c^2$
proton-masse	$m_p$	$1.6726 \times 10^{-24} \text{ g}$	$938.272 \text{ MeV}/c^2$
neutron-masse	$m_n$	$1.6749 \times 10^{-24} \text{ g}$	$939.563 \text{ MeV}/c^2$
atommasseenhed	$u$	$1.6605 \times 10^{-24} \text{ g}$	$931.494 \text{ MeV}/c^2$
electronvolt	$\text{eV}$	$1.6022 \times 10^{-12} \text{ erg}$	$1.6022 \times 10^{-19} \text{ J}$
Solmasse	$M_{\odot}$	$1.989 \times 10^{33} \text{ g}$	
Solradius	$R_{\odot}$	$6.955 \times 10^{10} \text{ cm}$	
Solluminositet	$L_{\odot}$	$3.839 \times 10^{33} \text{ erg s}^{-1}$	
Parsec	$pc$	$3.086 \times 10^{18} \text{ cm}$	$206265 \text{ AU}$