

Conversion Factors Between Different Units of Energy

	eV	keV	MeV	GeV	Kelvin	Mp	Me	erg	inv cm	gm	Msolar
eV	1.00E+00	1.00E+03	1.00E+06	1.00E+09	8.62E-05	9.38E+08	5.11E+05	6.24E+11	1.97E-05	5.65E+32	1.12E+66
keV	1.00E-03	1.00E+00	1.00E+03	1.00E+06	8.62E-08	9.38E+05	5.11E+02	6.24E+08	1.97E-08	5.65E+29	1.12E+63
MeV	1.00E-06	1.00E-03	1.00E+00	1.00E+03	8.62E-11	9.38E+02	5.11E-01	6.24E+05	1.97E-11	5.65E+26	1.12E+60
GeV	1.00E-09	1.00E-06	1.00E-03	1.00E+00	8.62E-14	9.38E-01	5.11E-04	6.24E+02	1.97E-14	5.65E+23	1.12E+57
Kelvin	1.16E+04	1.16E+07	1.16E+10	1.16E+13	1.00E+00	1.09E+13	5.93E+09	7.24E+15	2.29E-01	6.55E+36	1.30E+70
Mp	1.07E-09	1.07E-06	1.07E-03	1.07E+00	9.19E-14	1.00E+00	5.45E-04	6.65E+02	2.10E-14	6.02E+23	1.20E+57
Me	1.96E-06	1.96E-03	1.96E+00	1.96E+03	1.69E-10	1.84E+03	1.00E+00	1.22E+06	3.86E-11	1.11E+27	2.20E+60
erg	1.60E-12	1.60E-09	1.60E-06	1.60E-03	1.38E-16	1.50E-03	8.19E-07	1.00E+00	3.16E-17	9.05E+20	1.80E+54
inv cm	5.07E+04	5.07E+07	5.07E+10	5.07E+13	4.37E+00	4.76E+13	2.59E+10	3.16E+16	1.00E+00	2.86E+37	5.70E+70
gm	1.77E-33	1.77E-30	1.77E-27	1.77E-24	1.53E-37	1.66E-24	9.04E-28	1.10E-21	3.49E-38	1.00E+00	1.99E+33
Msolar	8.90E-67	8.90E-64	8.90E-61	8.90E-58	7.67E-71	8.35E-58	4.55E-61	5.55E-55	1.76E-71	5.03E-34	1.00E+00

$\hbar c = 1$