

TAP 533- 1: Mass units for particle physics

Atomic mass unit: $u = 1.661 \times 10^{-27} \text{ kg}$

MeV/c² $1 \text{ MeV}/c^2 = 1.783 \times 10^{-30} \text{ kg}$

Some rest masses

	mass (kg)	mass (u)	mass (MeV/c²)
electron	9.109×10^{-31}	5.486×10^{-4}	0.5110
proton	1.673×10^{-27}	1.009	938.3
neutron	1.675×10^{-27}	1.007	939.6