

# Limited table of particles

	Name	Symbol	Electric Charge	Lepton No.	Electron No.	Muon No.	Tau No.	Generation	Mass (MeV)
Quarks	up	<b>u</b>	+2/3	0	0	0	0	I	2
	down	<b>d</b>	-1/3	0	0	0	0	I	5
	charm	<b>c</b>	+2/3	0	0	0	0	II	1300
	strange	<b>s</b>	-1/3	0	0	0	0	II	100
	top	<b>t</b>	+2/3	0	0	0	0	III	173000
	bottom	<b>b</b>	-1/3	0	0	0	0	III	4200
	anti-up	<b><math>\bar{u}</math></b>	-2/3	0	0	0	0	I	2
	anti-down	<b><math>\bar{d}</math></b>	+1/3	0	0	0	0	I	5
	anti-charm	<b><math>\bar{c}</math></b>	-2/3	0	0	0	0	II	1300
	anti-strange	<b><math>\bar{s}</math></b>	+1/3	0	0	0	0	II	100
	anti-top	<b><math>\bar{t}</math></b>	-2/3	0	0	0	0	III	173000
	anti-bottom	<b><math>\bar{b}</math></b>	+1/3	0	0	0	0	III	4200
Leptons	electron	<b><math>e^-</math></b>	-1	+1	+1	0	0	I	0.511

	Name	Symbol	Electric Charge	Lepton No.	Electron No.	Muon No.	Tau No.	Generation	Mass (MeV)
	muon	$\mu^-$	-1	+1	0	+1	0	II	106
	tau	$\tau^-$	-1	+1	0	0	+1	III	1777
	positron	$e^+$	+1	-1	-1	0	0	I	0.511
	anti-muon	$\mu^+$	+1	-1	0	-1	0	II	106
	anti-tau	$\tau^+$	+1	-1	0	0	-1	III	1777
	electron neutrino	$\nu_e$	0	+1	+1	0	0	I	near-0
	muon neutrino	$\nu_\mu$	0	+1	0	+1	0	II	near-0
	tau neutrino	$\nu_\tau$	0	+1	0	0	+1	III	near-0
	electron anti-neutrino	$\bar{\nu}_e$	0	-1	-1	0	0	I	near-0
	muon anti-neutrino	$\bar{\nu}_\mu$	0	-1	0	-1	0	II	near-0
tau anti-neutrino	$\bar{\nu}_\tau$	0	-1	0	0	-1	III	near-0	
<b>Gauge Bosons</b>	photon	$\gamma$	0	0	0	0	0	N/A	0
	W+	$W^+$	+1	0	0	0	0	N/A	80400
	W-	$W^-$	-1	0	0	0	0	N/A	80400
	Z	$Z^0$	0	0	0	0	0	N/A	91200

	Name	Symbol	Electric Charge	Lepton No.	Electron No.	Muon No.	Tau No.	Generation	Mass (MeV)
	gluon	<b>g</b>	0	0	0	0	0	N/A	0
	Higgs	<b>H<sup>0</sup></b>	0	0	0	0	0	N/A	125000
<b>Mesons</b>	J/Psi	<b>J/Ψ</b>	0	0	0	0	0	N/A	3096
	Upsilon	<b>Υ</b>	0	0	0	0	0	N/A	9460
	Positive pion	<b>π<sup>+</sup></b>	+1	0	0	0	0	N/A	140
	Negative pion-	<b>π<sup>-</sup></b>	-1	0	0	0	0	N/A	140
	Neutral pion	<b>π<sup>0</sup></b>	0	0	0	0	0	N/A	135
	phi	<b>φ</b>	0	0	0	0	0	N/A	1019
	omega	<b>Ω</b>	0	0	0	0	0	N/A	782
<b>Baryons</b>	proton	<b>p</b>	+1	0	0	0	0	N/A	938
	neutron	<b>n</b>	0	0	0	0	0	N/A	940
	anti-proton	<b>p̄</b>	-1	0	0	0	0	N/A	938
	anti-neutron	<b>n̄</b>	0	0	0	0	0	N/A	940