

Three generations of matter (fermions)

	I	II	III		
mass →	2.4 MeV/c ²	1.27 GeV/c ²	171.2 GeV/c ²	0	~125 GeV/c ²
charge →	2/3	2/3	2/3	0	0
spin →	1/2	1/2	1/2	1	0
name →	u up	c charm	t top	γ photon	H Higgs boson
Quarks	4.8 MeV/c ² -1/3 1/2 d down	104 MeV/c ² -1/3 1/2 s strange	4.2 GeV/c ² -1/3 1/2 b bottom	0 0 1 g gluon	?
	<2.2 eV/c ² 0 1/2 ν _e electron neutrino	<0.17 MeV/c ² 0 1/2 ν _μ muon neutrino	<15.5 MeV/c ² 0 1/2 ν _τ tau neutrino	91.2 GeV/c ² 0 1 Z ⁰ Z boson	?
	0.511 MeV/c ² -1 1/2 e electron	105.7 MeV/c ² -1 1/2 μ muon	1.777 GeV/c ² -1 1/2 τ tau	80.4 GeV/c ² ±1 1 W [±] W boson	?
Leptons					