

Standard Model of Elementary Particles

three generations of matter (fermions)						
		I	II	III		
QUARKS	mass	2.2 MeV/c ²	1.28 GeV/c ²	173.1 GeV/c ²	0	≈125.09 GeV/c ²
	charge	2/3	2/3	2/3	0	0
	spin	1/2	1/2	1/2	1	0
		u up	c charm	t top	g gluon	H Higgs
		d down	s strange	b bottom	γ photon	
LEPTONS	mass	≈0.511 MeV/c ²	105.66 MeV/c ²	≈1.7768 GeV/c ²	≈91.19 GeV/c ²	
	charge	-1	-1	-1	0	
	spin	1/2	1/2	1/2	1	
		e electron	μ muon	τ tau	Z Z boson	
		ν_e electron neutrino	ν_μ muon neutrino	ν_τ tau neutrino	W W boson	
					GAUGE BOSONS	
					SCALAR BOSONS	