

Fermions	Name	Symbol	Spin	EM charge	Weak charge <sup>‡</sup>		Mass (MeV/c <sup>2</sup> )
Lepton	Electron	$e^-$	+1/2	-1	-1/2	0	0,51
	Muon	$\mu^-$	+1/2	-1	-1/2	0	105,00
	Tau	$\tau^-$	+1/2	-1	-1/2	0	1.777,00
	Electron Neutrino	$\nu_e$	+1/2	0	+1/2	0	< 3 E-6
	Muon Neutrino	$\nu_\mu$	+1/2	0	+1/2	0	< 0,18
	Tau Neutrino	$\nu_\tau$	+1/2	0	+1/2	0	< 18,00
Quark !!	Color charge						
	up	u	+1/2	+2/3	+1/2	RGB	~2
	charm	c	+1/2	+2/3	+1/2	RGB	~1.200
	top	t	+1/2	+2/3	+1/2	RGB	>170.000
	down	d	+1/2	-1/3	-1/2	RGB	~5
	strange	s	+1/2	-1/3	-1/2	RGB	~92
	bottom	b	+1/2	-1/3	-1/2	RGB	~4.200