

Summer School on Particle Physics

Three Generations of Matter (Fermions)						
	I		II		III	
mass	2.4 MeV	4.8 MeV	124 MeV	124 MeV	171.2 GeV	0
charge	$2/3$	$-1/3$	$2/3$	$-1/3$	$2/3$	0
spin	$1/2$	$1/2$	$1/2$	$1/2$	$1/2$	1
name	u up	d down	c charm	s strange	t top	b bottom
Quarks						g gluon
	0	0	0	0	0	0
	$1/2$	$1/2$	$1/2$	$1/2$	$1/2$	1
	ν _e electron neutrino	ν _μ muon neutrino	ν _τ tau neutrino	ν _τ tau neutrino	ν _τ tau neutrino	Z ⁰ weak force
Leptons						
	0.511 MeV	105.7 MeV	1.777 GeV	1.777 GeV	81.4 GeV	0
	-1	-1	-1	-1	-1	0
	$1/2$	$1/2$	$1/2$	$1/2$	$1/2$	1
	e electron	μ muon	τ tau	τ tau	τ tau	W [±] weak force

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Type: not specified

Free time with a tutor - on demand