

Summer School on Particle Physics

Three Generations of Matter (Fermions)					
	I		II		III
mass	2.4 MeV	4.8 MeV	124 MeV	3.74 GeV	171.2 GeV
charge	$+\frac{2}{3}$	$-\frac{1}{3}$	$+\frac{2}{3}$	$-\frac{1}{3}$	0
spin	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
name	u up	d down	c charm	s strange	t top b bottom g gluon
Quarks					
mass	0.511 MeV	105.7 MeV	1.777 GeV	91.187 GeV	91.187 GeV
charge	-1	-1	-1	0	0
spin	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
name	e electron	μ muon	τ tau	ν_e electron neutrino	ν_μ muon neutrino
Leptons					
					ν_τ tau neutrino
					γ photon
					Z weak force
					W weak force
					g strong force

Contribution ID: 37

Type: not specified

Accelerators II

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