

Summer School on Particle Physics

Three Generations of Matter (Fermions)					
	I		II		III
mass	2.4 MeV	4.2 MeV	171.2 GeV	0	0
charge	$2/3$	$2/3$	$2/3$	$1/3$	$1/3$
spin	$1/2$	$1/2$	$1/2$	$1/2$	$1/2$
name	u up	c charm	t top	b bottom	γ photon
Quarks	d down	s strange	b bottom	g gluon	
Leptons	ν_e electron neutrino	ν_μ muon neutrino	ν_τ tau neutrino	ν neutrino	Z^0 weak force
	e electron	μ muon	τ tau	W^\pm weak force	

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Masterclass I

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