

Summer School on Particle Physics

Three Generations of Matter (Fermions)				
	I		II	
mass	2.4 MeV	4.2 MeV	171.2 GeV	0
charge	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{1}{3}$
spin	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
name	u up	c charm	t top	γ photon
Quarks	d down	s strange	b bottom	g gluon
	\bar{u} antiquark	\bar{c} antiquark	\bar{t} antiquark	\bar{g} antiquark
	\bar{d} antiquark	\bar{s} antiquark	\bar{b} antiquark	\bar{g} antiquark
	\bar{u} antiquark	\bar{c} antiquark	\bar{t} antiquark	\bar{g} antiquark
Leptons	ν_e electron neutrino	ν_μ muon neutrino	ν_τ tau neutrino	Z^0 weak boson
	e^- electron	μ^- muon	τ^- tau	W^- weak boson
	$\bar{\nu}_e$ electron antineutrino	$\bar{\nu}_\mu$ muon antineutrino	$\bar{\nu}_\tau$ tau antineutrino	Z^0 weak boson
	e^+ positron	μ^+ muon	τ^+ tau	W^+ weak boson

Contribution ID: 57

Type: not specified

Lunch in Trieste

Friday, 26 July 2019 12:30 (2 hours)