

Summer School on Particle Physics

Three Generations of Matter (Fermions)

	I	II	III	
mass	2.4 MeV	1.27 GeV	171.2 GeV	0
charge	$\frac{2}{3}$	$\frac{2}{3}$	$\frac{2}{3}$	0
spin	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
name	u up	c charm	t top	γ photon
Quarks	d down	s strange	b bottom	g gluon
lepton number	0	0	0	0
charge	$-\frac{1}{3}$	$-\frac{1}{3}$	$-\frac{1}{3}$	0
spin	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
name	ν_e electron neutrino	ν_μ muon neutrino	ν_τ tau neutrino	Z weak force
Leptons	e electron	μ muon	τ tau	W weak force

Contribution ID: 39

Type: not specified

Detectors III

Wednesday, 17 July 2019 16:00 (1 hour)

Summary

Presenter: Prof. COBAL, Marina