

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
Leptons	ν_e electron neutrino	ν_μ muon neutrino	ν_τ tau neutrino	0 1 Z weak force
	e electron	μ muon	τ tau	0 1 W weak force

Contribution ID: 15

Type: not specified

Masterclass I

Friday, 19 July 2019 09:30 (1 hour)

Summary

Presenters: Dr PANIZZO, Giancarlo; Prof. COBAL, Marina; PINAMONTI, Michele (Istituto Nazionale di Fisica Nucleare)