

Summer School on Particle Physics

Three Generations of Matter (Fermions)				
	I	II	III	
mass = charge = spin = name =	2.4 meV $\frac{1}{6}$ u up	1.27 MeV $\frac{2}{3}$ c charm	1712 MeV $\frac{2}{3}$ t top	0 1 Y photon
Quarks	4.8 MeV $-\frac{2}{3}$ d down	124 MeV $-\frac{1}{3}$ s strange	4.2 MeV $-\frac{1}{3}$ b bottom	0 1 g gluon
	12.1 meV $-\frac{1}{6}$ ν_e electron neutrino	86.17 MeV $-\frac{1}{6}$ ν_μ muon neutrino	15.5 MeV $-\frac{1}{6}$ ν_τ tau neutrino	0 1 Z neutrino (force)
Leptons	0.511 MeV $-\frac{1}{2}$ e electron	105.7 MeV $-\frac{1}{2}$ μ muon	1.777 GeV $-\frac{1}{2}$ τ tau	0 1 W boson (force)

Contribution ID: 18

Type: not specified

Cosmic rays and antimatter

Wednesday, 18 July 2018 09:00 (2 hours)

Presenter: VACCHI, Andrea (TS)