

# Summer School on Particle Physics

Three Generations of Matter (Fermions)				
	I	II	III	
matter charges spin name	2/3 <b>u</b> up	1/3 <b>c</b> charm	1/3 <b>t</b> top	0 <b>Y</b> positron
Quarks	-1/6 <b>d</b> down	-1/6 <b>s</b> strange	-1/6 <b>b</b> bottom	-1/6 <b>g</b> gluon
	2/3 <b>ν<sub>e</sub></b> electron neutrino	1/3 <b>ν<sub>μ</sub></b> muon neutrino	1/3 <b>ν<sub>τ</sub></b> tau neutrino	0 <b>Z</b> weak force
Leptons	-1/2 <b>e</b> electron	-1/2 <b>μ</b> muon	-1/2 <b>τ</b> tau	-1/2 <b>W</b> weak force
				Reasons (Forces)

Contribution ID: 10

Type: not specified

# Quantum Mechanics Exercises

Tuesday, 9 July 2019 16:00 (1 hour)

**Presenter:** Dr PANIZZO, Giancarlo