

# Summer School on Particle Physics

Three Generations  
of Matter (Fermions)

	I		II		III	
mass	2.4 MeV	4.8 MeV	124 MeV	1.27 GeV	171.2 GeV	0
charge	$\frac{2}{3}$	$-\frac{1}{3}$	$\frac{2}{3}$	$-\frac{1}{3}$	$\frac{2}{3}$	0
spin	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
name	u up	d down	c charm	s strange	t top	b bottom
Quarks						$\gamma$ photon
	$\nu_e$ electron neutrino	$\nu_\mu$ muon neutrino	$\nu_\tau$ tau neutrino	$\nu$ neutrino	$\nu$ neutrino	0
Leptons	e electron	$\mu$ muon	$\tau$ tau			0
						1
						Z weak force
						1
						W weak force
						1

Contribution ID: 0

Type: not specified

## Welcome in Udine

Monday, 16 July 2018 09:00 (30 minutes)