

# 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
						$\gamma$ photon
						g gluon
						$\nu_e$ electron neutrino
						$\nu_\mu$ muon neutrino
						$\nu_\tau$ tau neutrino
						Z weak force
						W weak force

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Type: not specified

## Lunch in Trieste

Friday, 26 July 2019 12:30 (2 hours)