

2.2 MeV $\frac{2}{3}$
 u
up $\frac{1}{2}$

1.27 GeV $\frac{2}{3}$
 c
charm $\frac{1}{2}$

173.2 GeV $\frac{2}{3}$
 t
top $\frac{1}{2}$

charge
colors
mass
spin

4.7 MeV $\frac{-1}{3}$
 d
down $\frac{1}{2}$

96 MeV $\frac{-1}{3}$
 s
strange $\frac{1}{2}$

4.7 GeV $\frac{-1}{3}$
 b
bottom $\frac{1}{2}$

gluon $\frac{1}{2}$

strong nuclear force (color)

125.1 GeV 0
 H
Higgs 0

electromagnetic force (charge)

511 keV -1
 e
electron $\frac{1}{2}$

105.7 MeV -1
 μ
muon $\frac{1}{2}$

1.777 GeV -1
 τ
tau $\frac{1}{2}$

photon 1
 γ

weak nuclear force (weak isospin)

< 2 eV
 ν_e
e neutrino $\frac{1}{2}$

< 190 keV
 ν_μ
 μ neutrino $\frac{1}{2}$

< 18.2 MeV
 ν_τ
 τ neutrino $\frac{1}{2}$

80.4 GeV ± 1
 W^\pm
 Z 1