

$\sim 2,2 \text{ MeV}$
 $+2/3$
 $1/2$
u
 Up quark
 γ WZ g h

$1,275 \text{ GeV}$
 $+2/3$
 $1/2$
c
 Charm quark
 γ WZ g h

$173,0 \text{ GeV}$
 $+2/3$
 $1/2$
t
 Top quark
 γ WZ g h

$\sim 4,7 \text{ MeV}$
 $-1/3$
 $1/2$
d
 Down quark
 γ WZ g h

$\sim 95 \text{ MeV}$
 $-1/3$
 $1/2$
s
 Strange quark
 γ WZ g h

$4,18 \text{ GeV}$
 $-1/3$
 $1/2$
b
 Bottom quark
 γ WZ g h

0
 0
 1
g
 Gluon
 γ WZ g h

$125,2 \text{ GeV}$
 0
 0
h
 Higgs boson
 γ WZ g h

strong nuclear force (color)

electromagnetic force (charge)

511 keV
 -1
 $1/2$
e⁻
 Electron
 γ WZ g h

$105,7 \text{ MeV}$
 -1
 $1/2$
 μ^-
 Muon
 γ WZ g h

$1,777 \text{ GeV}$
 -1
 $1/2$
 τ^-
 Tau
 γ WZ g h

0
 0
 1
 γ
 Photon
 γ WZ g h

weak nuclear force (weak isospin)

$< 2,2 \text{ eV}$
 0
 $1/2$
 ν_e
 Electron neutrino
 γ WZ g h

$< 0,17 \text{ MeV}$
 0
 $1/2$
 ν_μ
 Muon neutrino
 γ WZ g h

$< 15,5 \text{ MeV}$
 0
 $1/2$
 ν_τ
 Tau neutrino
 γ WZ g h

$80,38 \text{ GeV}$
 ± 1
 1
 W^\pm
 W^\pm boson
 γ WZ g h

$91,19 \text{ GeV}$
 0
 1
Z
 Z boson
 γ WZ g h