125.2 GeV

Higgs boson

0

fermion generations 3

mass charge spin

2.16 MeV 172.5 GeV 1.27 GeV +2/3 +2/3 +2/3 1/2 1/2 1/2 charm top up

quarks

leptons

-1/3 1/2

1/2

4.70 MeV

93.5 MeV 1/2

-1/3

strange

4.18 GeV -1/3 1/2

bottom

down <0.8 eV <0.19 MeV <18.2 MeV 0

1/2

neutrinos

0.51 MeV 105.7 MeV -1 1/2

electron

-1

muon

-1 1/2

1.78 GeV

1/2

tau

80.4 GeV -1 1 W boson 91.2 GeV 0 1 **Z** boson

-/-

0

1

-/-

0

1

0 photon gauge gluon bosons