

THE WORLD OF PARTICLES WITH CHARGE

QUARKS



Name: up
Charge: $+2/3$



Name: charm
Charge: $+2/3$



Name: top
Charge: $+2/3$



Name: down
Charge: $-1/3$



Name: strange
Charge: $-1/3$



Name: beauty
Charge: $-1/3$

LEPTONS



Name: electron
Charge: -1



Name: muon
Charge: -1



Name: tau
Charge: -1



Name: electron
neutrino
Charge: 0



Name: muon
neutrino
Charge: 0



Name: tau
neutrino
Charge: 0

BOSONS



Name: gluon
Charge: 0



Name: photon
Charge: 0



Name: Z
Charge: 0



Name: W plus
Charge: $+1$



Name: W minus
Charge: -1



Name: Higgs
Charge: 0



THE WORLD OF ANTI-PARTICLES WITH CHARGE

ANTI-QUARKS



Name: anti-up
Charge: $-2/3$



Name: anti-charm
Charge: $-2/3$



Name: anti-top
Charge: $-2/3$



Name: anti-down
Charge: $+1/3$



Name: anti-strange
Charge: $+1/3$



Name: anti-beauty
Charge: $+1/3$

ANTI-LEPTONS



Name: anti-electron
Charge: $+1$



Name: anti-muon
Charge: $+1$



Name: anti-tau
Charge: $+1$



Name: electron
anti-neutrino
Charge: 0



Name: muon
anti-neutrino
Charge: 0



Name: tau
anti-neutrino
Charge: 0