## Standard Model of Elementary Particles

## three generations of matter (fermions)

interactions / force carriers (bosons)

mass = 2.2 MeV/c²
charge spin 1/2 U

up

≃1.28 GeV/c²
<sup>2</sup>/<sub>3</sub>
½

C

charm

=172.76 GeV/c<sup>2</sup>

2/3
1/2

top

Ш

0 0 1 **G** gluon

≃124.97 GeV/c²
0
H
higgs

QUARKS

LEPTONS



























