## Standard Model of Elementary Particles

## three generations of matter (fermions)

interactions / force carriers (bosons)

≈2.2 MeV/c<sup>2</sup> mass  $\frac{2}{3}$ charge U  $\frac{1}{2}$ spin up

≈1.28 GeV/c<sup>2</sup>  $\frac{2}{3}$  $\frac{1}{2}$ charm

≈173.1 GeV/c<sup>2</sup>  $\frac{2}{3}$ top

Ш

gluon

≈125.11 GeV/c<sup>2</sup> 0 higgs

**2UARKS** 

EPTONS



























