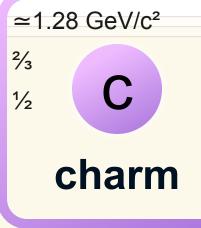
## Standard Model of Elementary Particles

## three generations of matter (fermions)

interactions / force carriers (bosons)

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

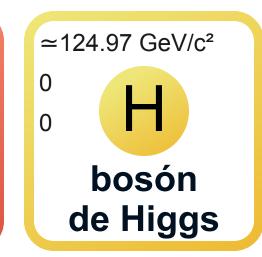




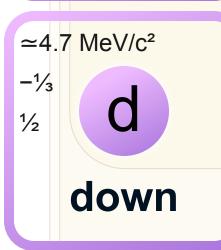


Ш

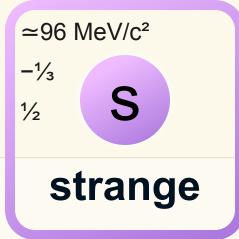


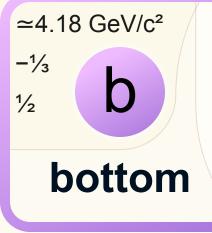


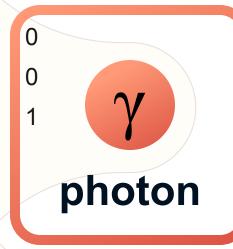
QUARKS



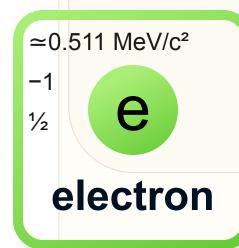
up

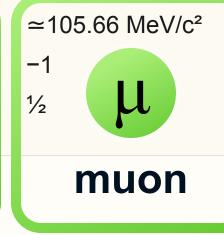


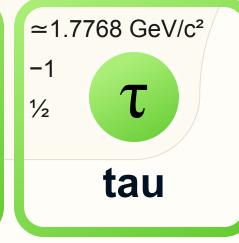


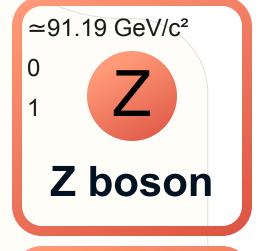














GAUGE BOSONS

