

12 fermions

4 gauge bosons + Higgs

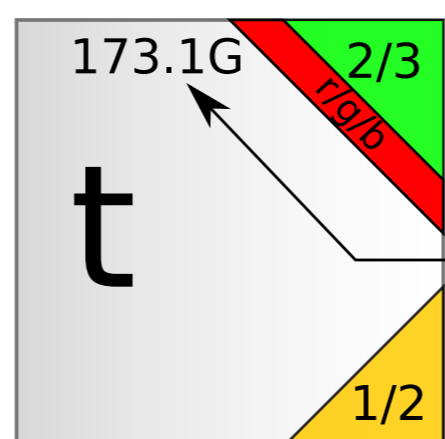
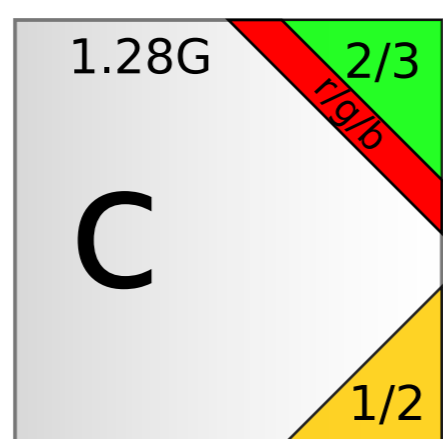
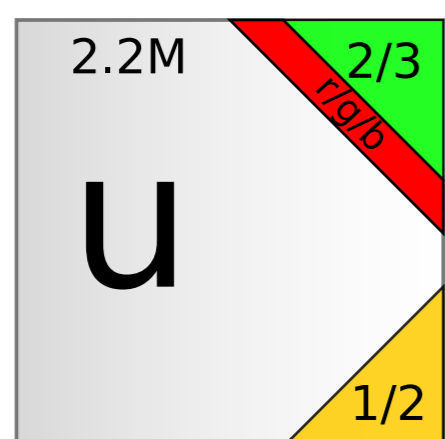
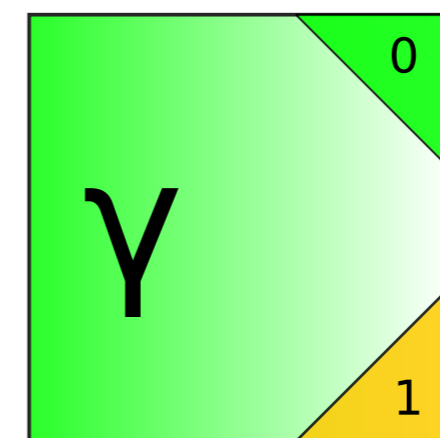
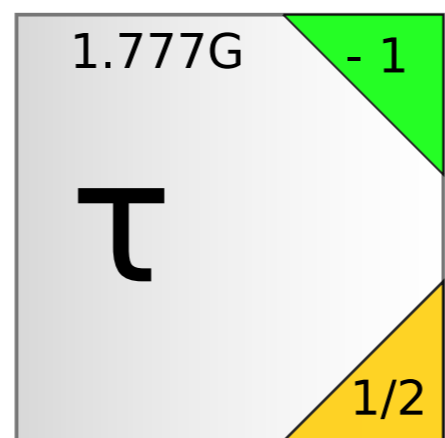
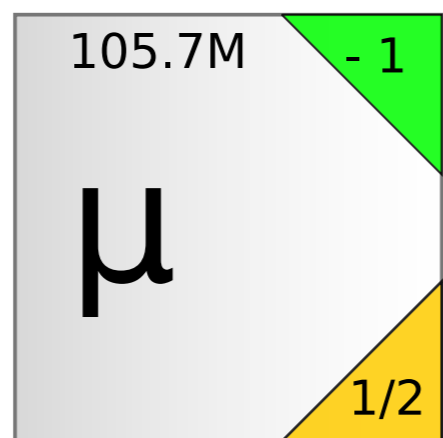
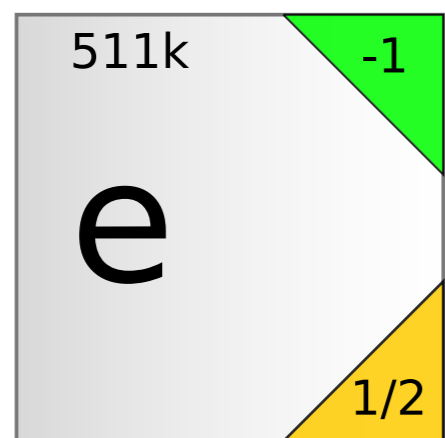
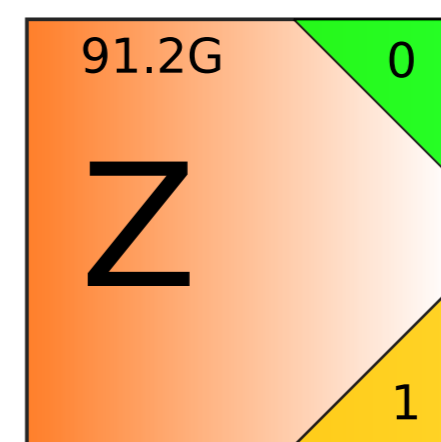
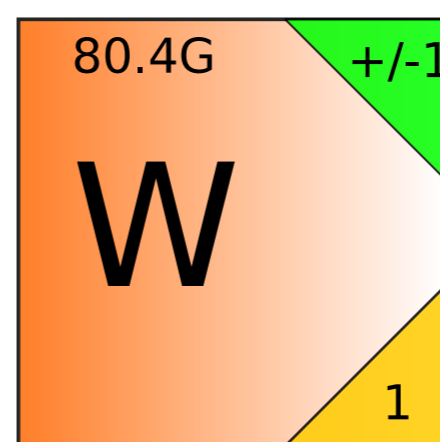
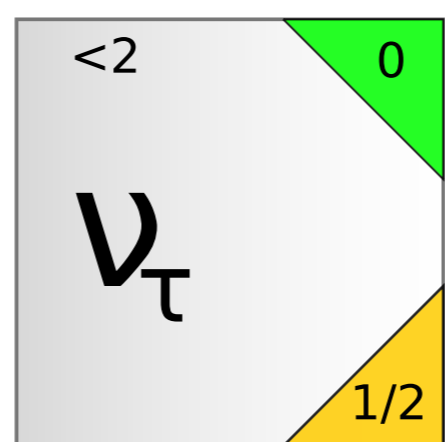
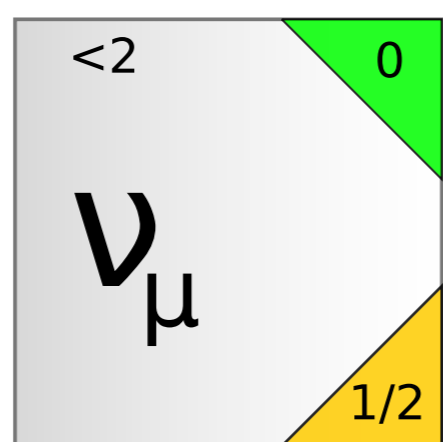
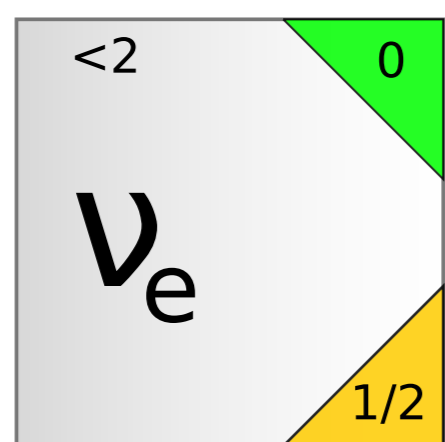
6 leptons

6 quarks

weak interaction

electromagnetic

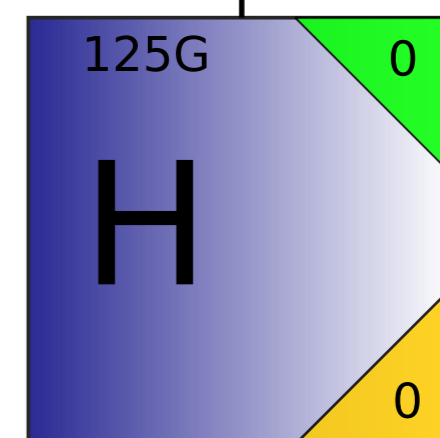
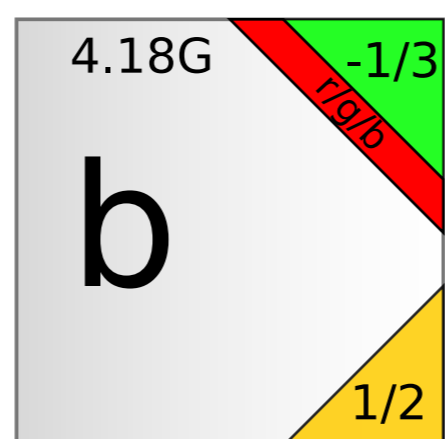
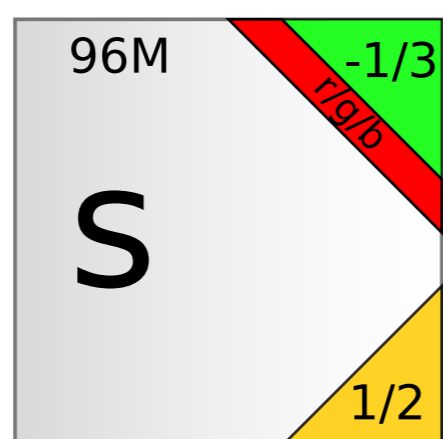
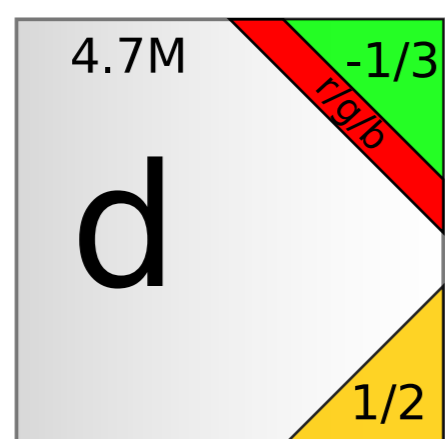
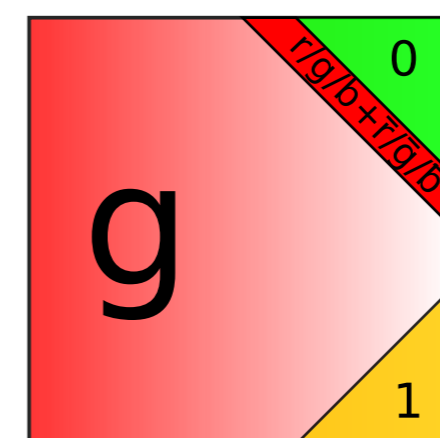
strong interaction



charge

colour charge
mass (eV)

spin



1st

2nd

3rd generation