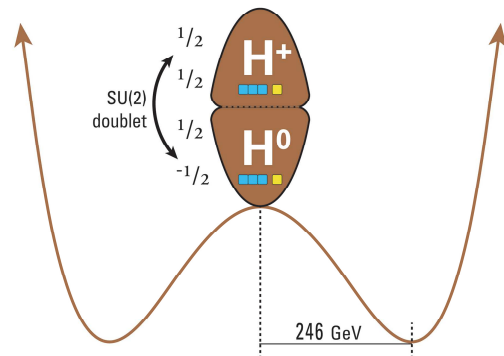
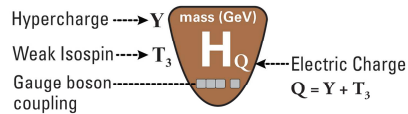


The Standard Model of Particle Physics

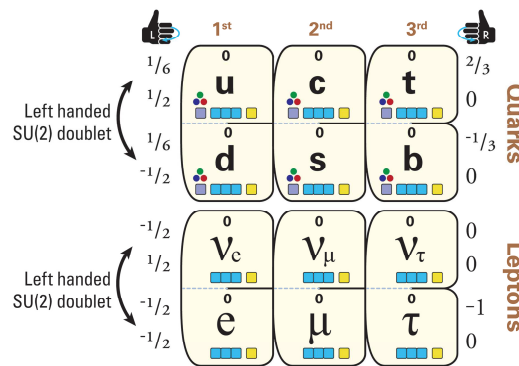
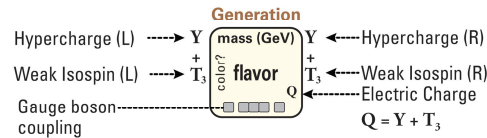
Spin 0 (Higgs Boson)



Unbroken Symmetry
Broken Symmetry

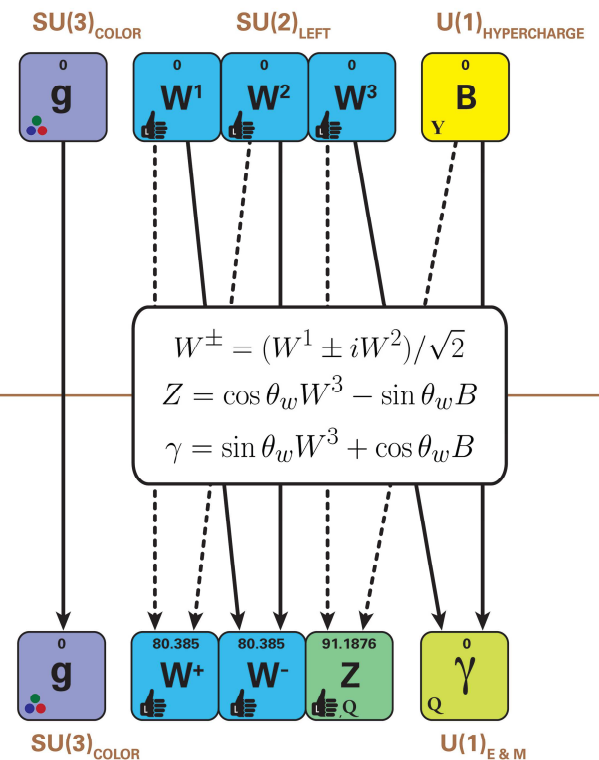
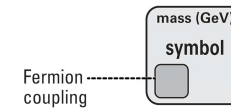


Spin 1/2 (Fermions)



1st	2nd	3rd
0.0023 u $2/3$	1.275 c $2/3$	173.07 t $2/3$
0.0048 d $-1/3$	0.095 s $-1/3$	4.18 b $-1/3$
m_1 ν_e 0	M_2 ν_μ 0	M_3 ν_τ 0
0.000511 e -1	0.105658 μ -1	1.77682 τ -1

Spin 1 (Gauge Bosons)



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https://upload.wikimedia.org/wikipedia/commons/2/2f/Standard_Model_Of_Particle_Physics--Most_Complete_Diagram.png