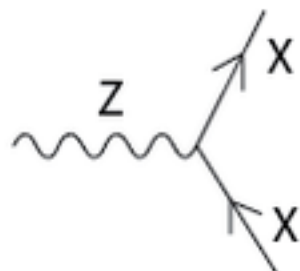
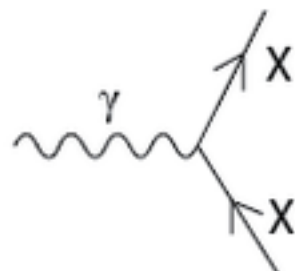


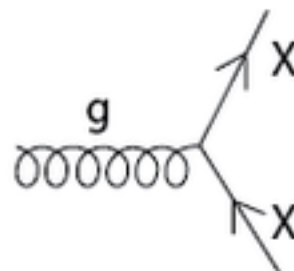
Standard Model Interactions (Forces Mediated by Gauge Bosons)



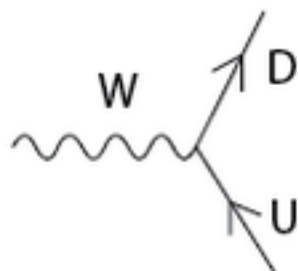
X is any fermion in the Standard Model.



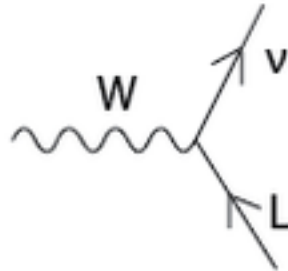
X is electrically charged.



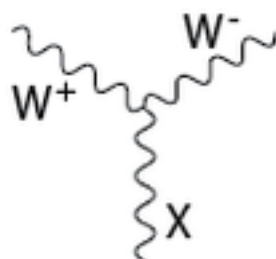
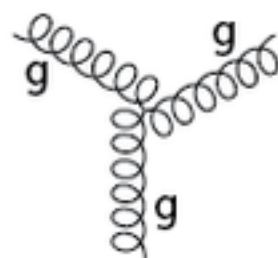
X is any quark.



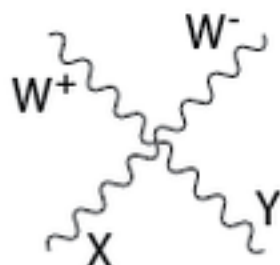
U is a up-type quark;
D is a down-type quark.



L is a lepton and v is the
corresponding neutrino.



X is a photon or Z-boson.



X and Y are any two
electroweak bosons such
that charge is conserved.

