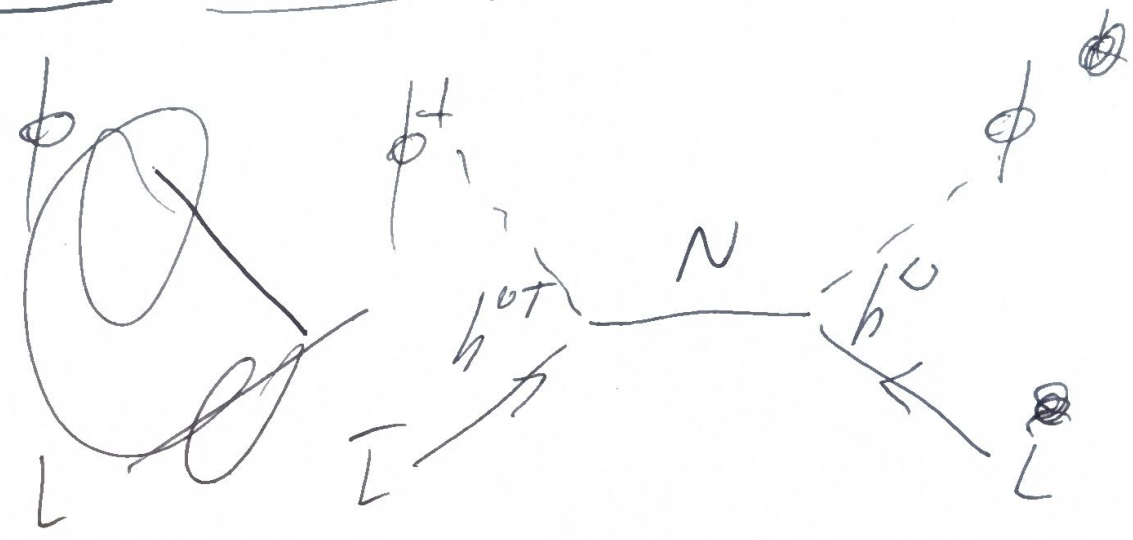
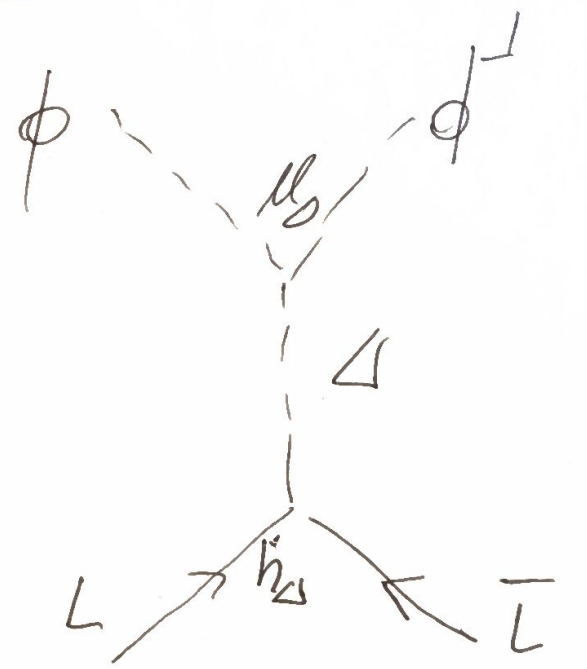
- There are only 3 ways to generate the W. operator at tree level:

Type-I : SU(2) singlet fermion as a mediator



Type-II : Triplet scalar as a mediator



Type-III : triplet fermion as a mediator