

Quiz

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1 Quiz

1. The mass of a photon is 0
2. The size of a quark is
3. The difference between a color charge and an electronic charge is: In any reaction, if there are electric charges, then the electrons are strictly conserved. However, if there are more than one color, this will not happen.
4. The difference between boson and fermion is: A fermion is a particle that has an odd half-integer spin, whereas bosons are particles that have integer spins.
5. Types of particles is both a boson and a hadron: When the boson is composite
Example: Mesons
6. Purpose of a bubble chamber is to detect electrically charged particles moving through it.
7. Leptons are made of charged leptons and neutral leptons.
8. Two leptons: electron and Muon
Two baryons: Sigma and Lambda
9. Quantities conserved at each vertex of a Feynman Diagram: charge, baryon number and lepton number.
10. An exchange particle is: the exchange of virtual particle.
Example: Gluon