

Quizz

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1 Quizz's answer

1. $938,3 \text{ Mev}/c^2$
2. $\approx 10^{-18}m$
3. Strong nuclear, weak nuclear, gravitational, electromagnetic
4. Fermions
 - + Leptons and quarks: Spin = $1/2$
 - + Baryons (qqq): Spin = $1/2, 3/2, 5/2, \dots$
- Bosons
 - + Spin = 1 : Force carrier particles
 - + Spin = 0, 1, 2 : Mesons (qq)
5. Those are a particle in the standard physics and subatomic particle example: photon
6. Bubble chamber used to detect electrically charged particles moving through it.
7. Leptons consist of the electron, the muon and the tau
8. Electron, Tau
9. Proton, anti proton
10. Gluons are the exchange particles for the color force between quarks analogous to the exchange of photons in the electromagnetic force between two charged particles