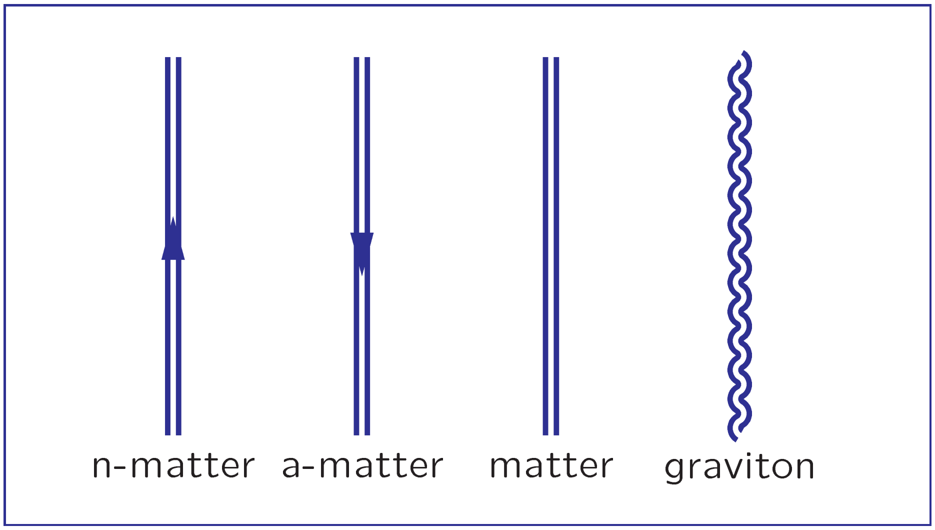
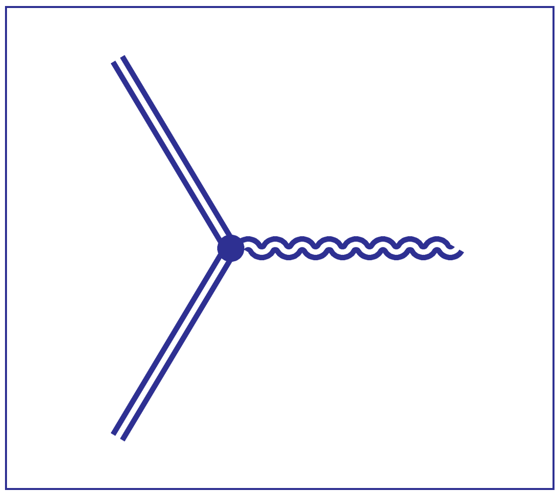


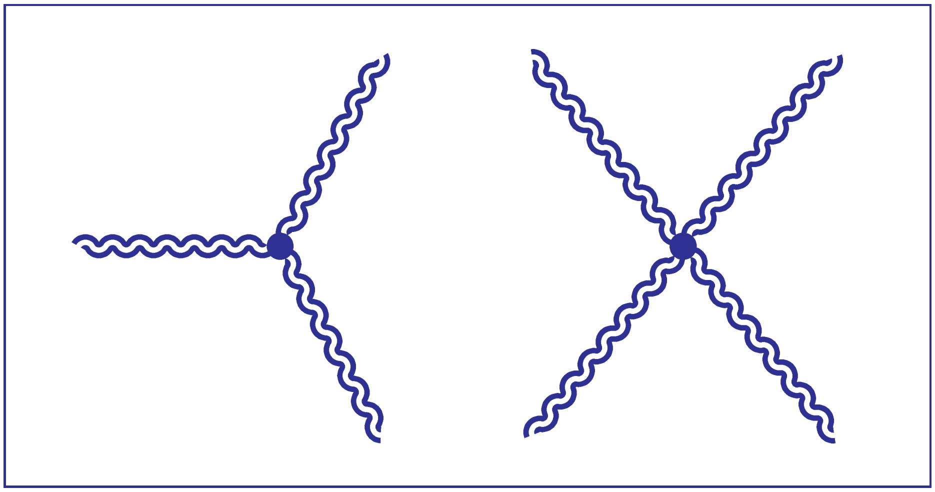
Feynman diagram elements used to describe gravity via graviton exchange.

Sometimes is is useful to distinguish normal matter (n-matter) from antimatter (a-matter); some particles are their own antiparticle.

The Feynman diagram representation of perturbative gravity is sufficiently rare that no standard set of symbols has been developed.



Feynman diagram element describing the most basic piece of the perturbative description of gravity: a vertex connecting a single graviton to an individual particle of matter.



Feynman diagram elements describing the most basic pieces of the graviton self-interaction: the three-graviton and four-graviton vertices.

These are the first two of an infinite tower of primitive graviton self-interactions that are built into the theory even before any loop effects are taken into account.

Diagrammatically this looks very similar to QCD.