

Standard Model

Spin- $\frac{1}{2}$ "Matter Particles": quarks, leptons

Spin-1 Gauge Bosons: γ , W^\pm , Z^0 , g

Spin-0 Higgs Boson: H massive

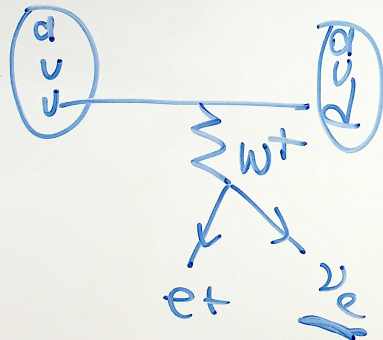
• What about gravity?

→ graviton? (Spin 2)

Sun:

$p + e^-$

$p + p \rightarrow d + \begin{matrix} p \\ n \end{matrix}, {}^2H$



$d + p \rightarrow {}^3He$

$d + d \rightarrow {}^4He$