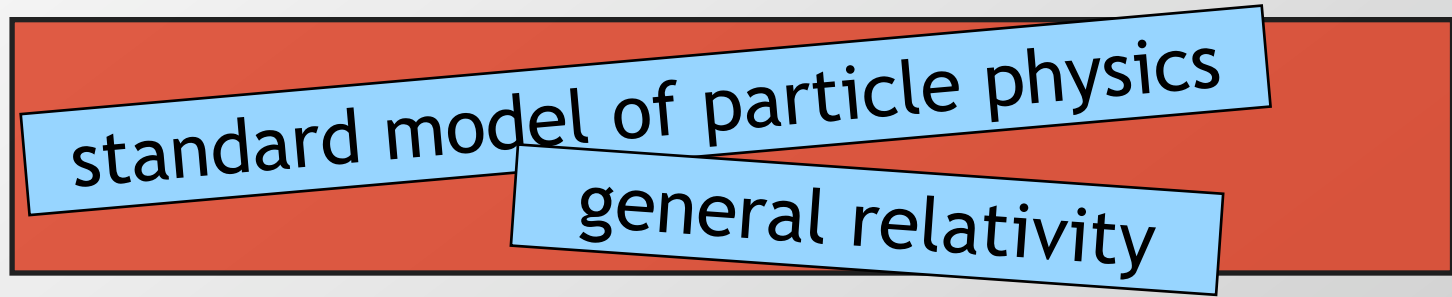
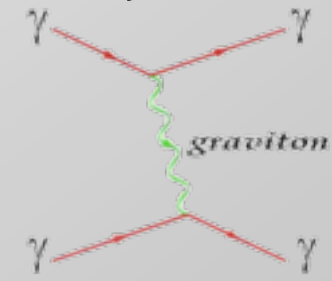


fundamental physics — unification of interactions



- ▶ GR cannot be cast into standard quantum theory framework
non-renormalizable as QFT (graviton is spin-2)
- ▶ standard model / general relativity
considered as effective theories, valid on their respective scales



search for a fundamental theory

- ▷ contains GR / SM in the respective limits
- ▷ explanation of parameters: number of particles, masses, couplings, symmetries, cosmological constant, etc...

