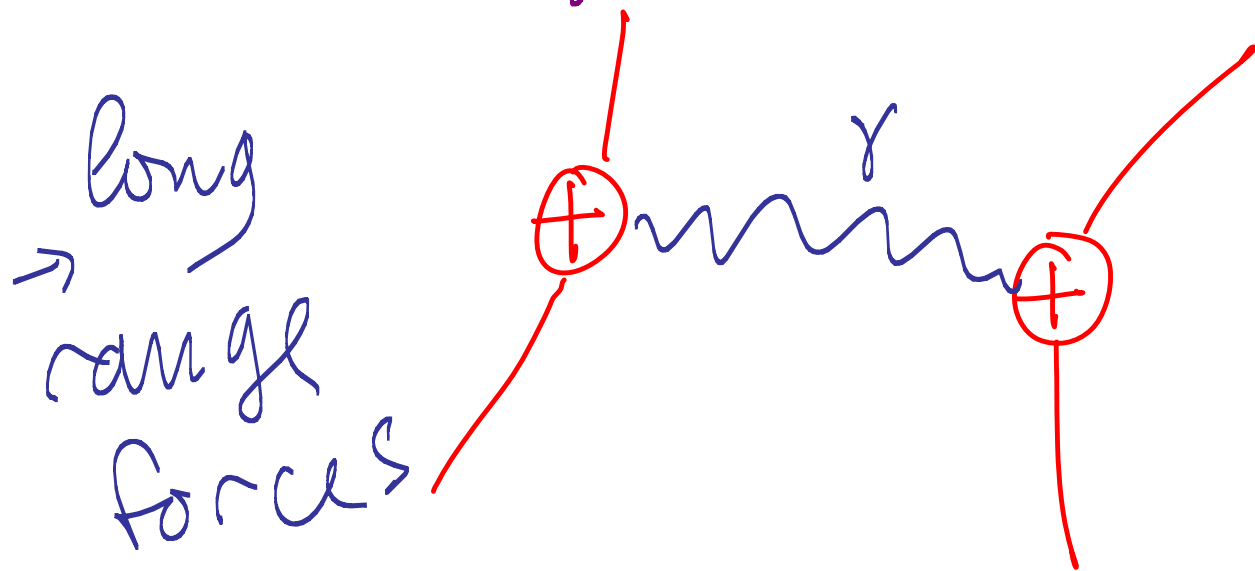


Emergence Lecture 8.

4 "fundamental" forces → particle.
→ gravity (not part of std model) → graviton
electromagnetic ↔ γ photon



Feynman diagram

Strong nuclear force \rightarrow gluon

Weak " force. \rightarrow W^{\pm} Z^0

strong force acts on quarks

- nuclear forces are "residual strong force"

3 quarks = "Baryon"

2 quarks = "Meson"

Short
ranged
forces

