The massless limit.

Imagine taking m to zero while fixing the mometum of a particle.



-> clicker question

Bound systems:

If energy is released when forming a bound system, the system is stable (it takes energy to make it fall apart)

Nuclear fusion:
$$\sqrt{2H} = DEVIERIVM$$

 $OP + OO \rightarrow SO_4He + ENERGY$
n

More realistically:

H = TRITIUM $\rightarrow S_4He + 0$ 3H = TRITIUM + ENER

This is how fusion works in experiments (eg ITER)