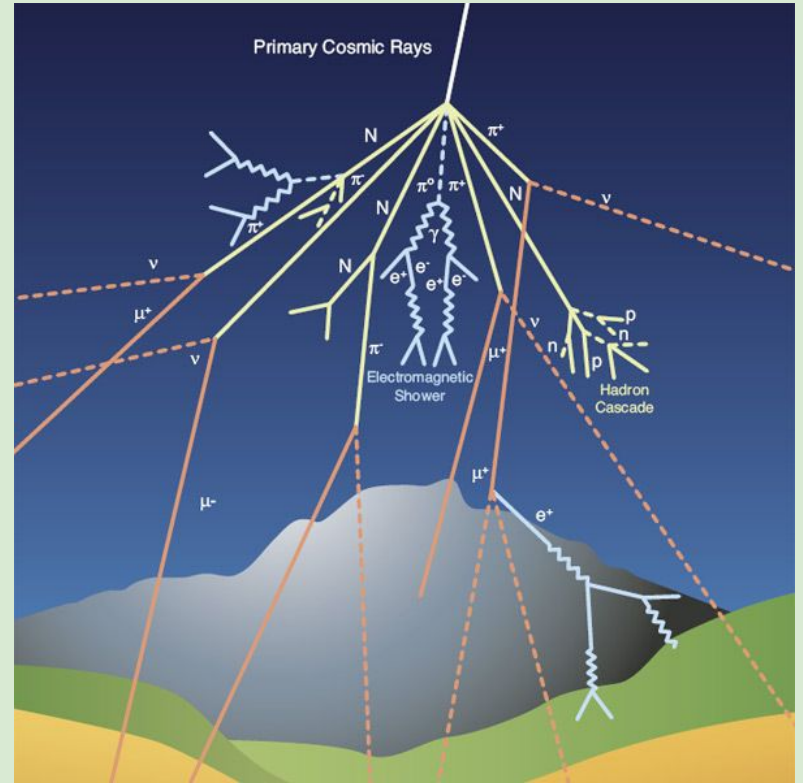
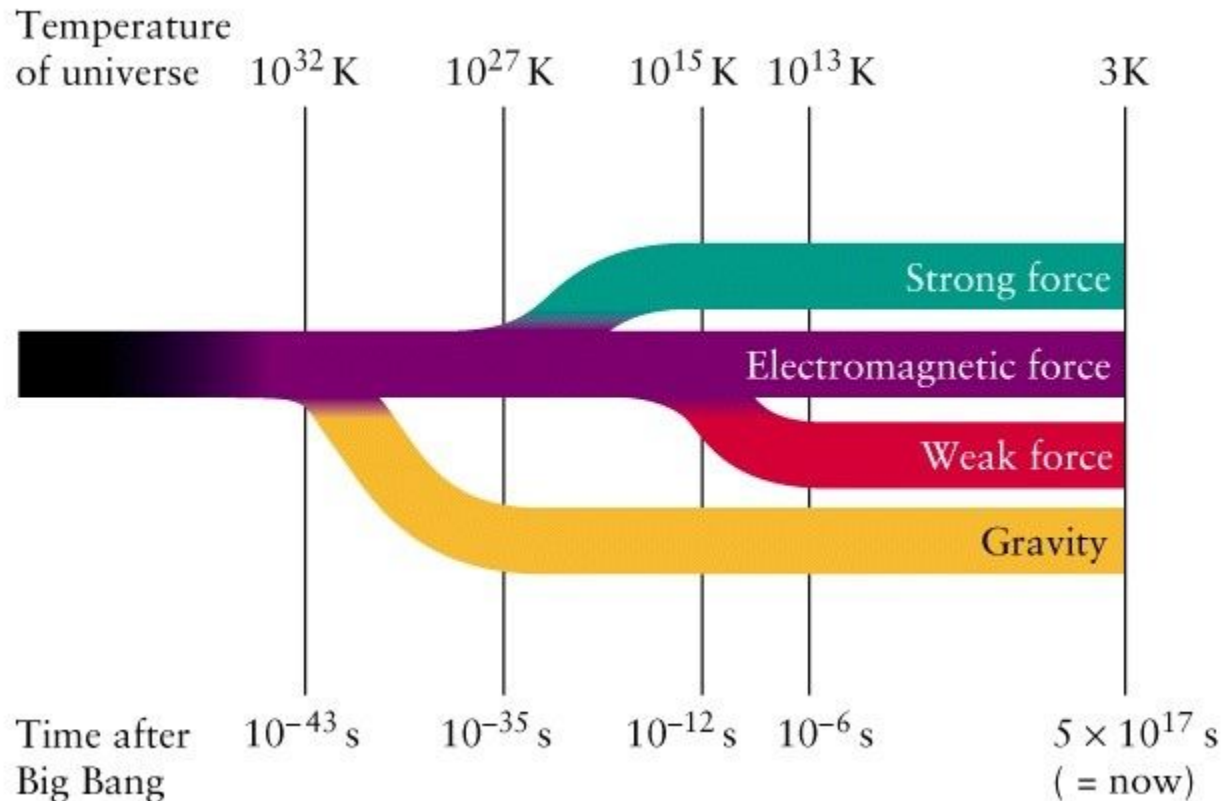


The Physics of Cosmic Rays

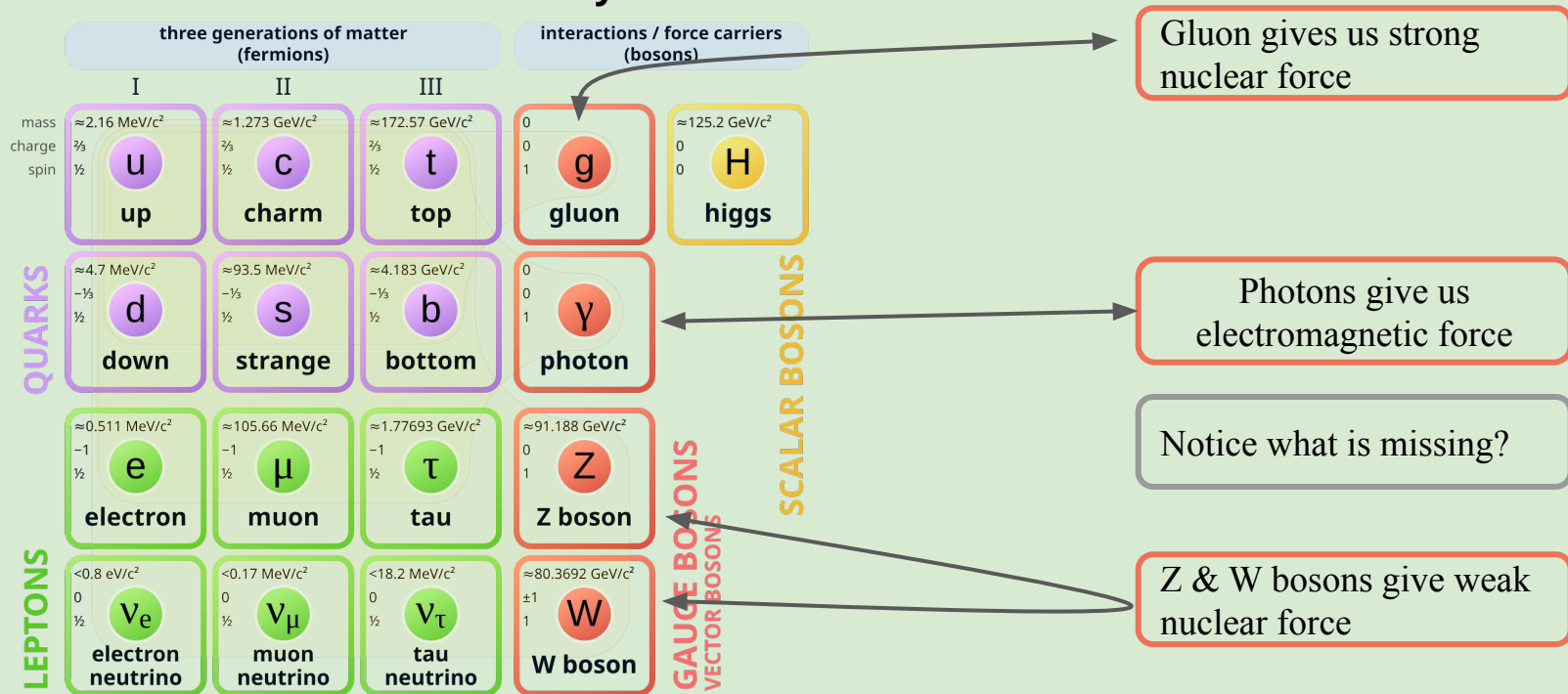


Crash course in particles: Forces

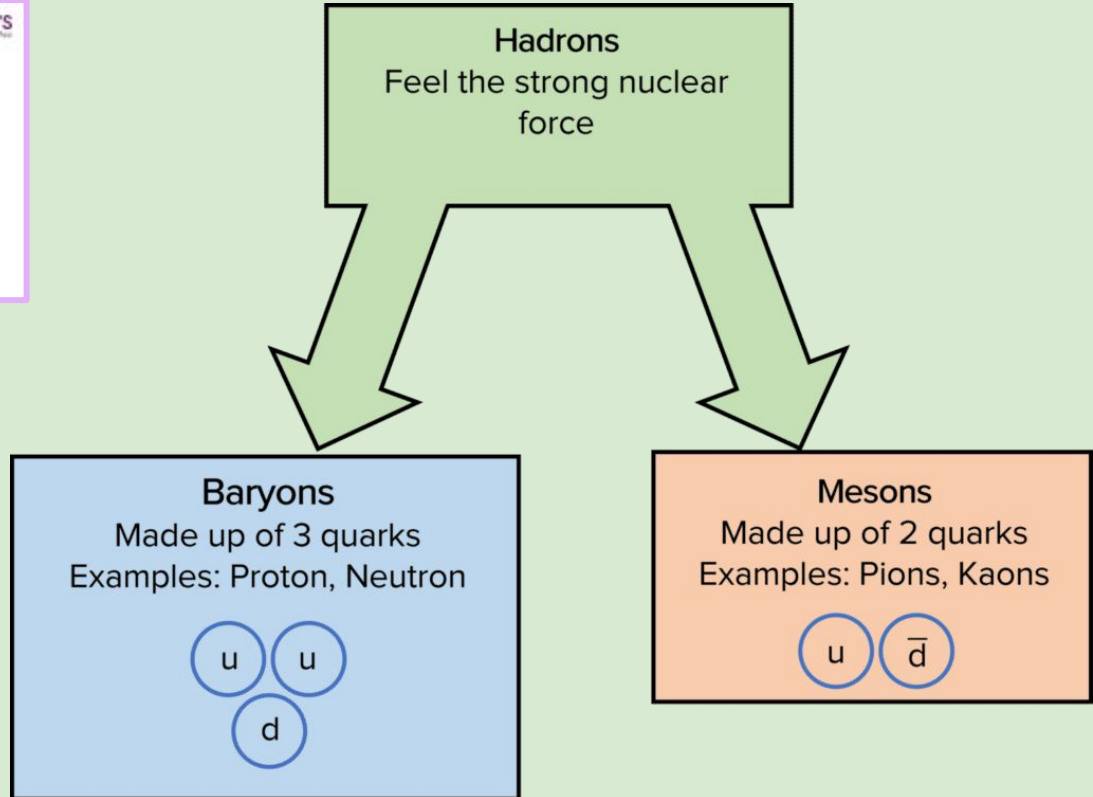


Crash course in particles: Particles

Standard Model of Elementary Particles



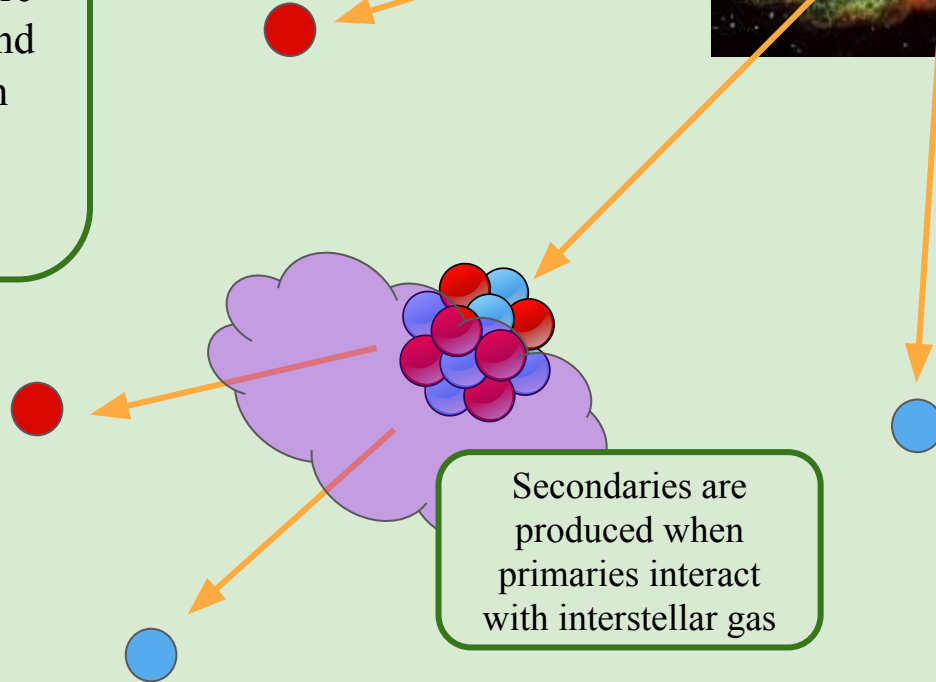
Crash course in particles: Hadrons



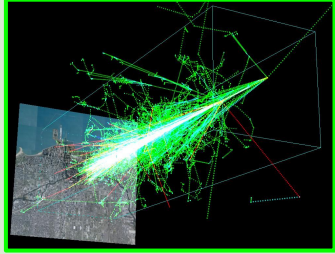
What are cosmic rays?

Cosmic rays (AKA cosmons) are groups of energetic particles and atomic nuclei that come from astronomical source

Primary Cosmons come straight from the source



How Stable Cosmics Become What We See on Earth



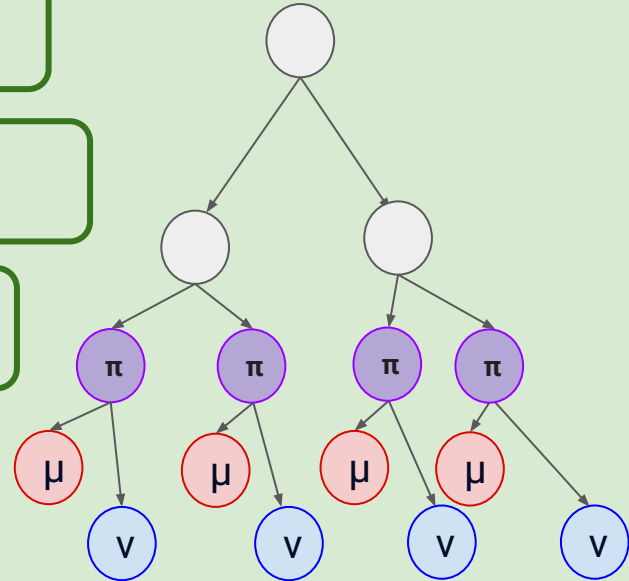
Particles can only travel this far because of special relativity, please make sure you understand that

Stable particles come to Earth

Decay into other 'stuff' when interacting with atmosphere

Through 'magic' turns into other hadrons (Primarily pions)

Pions decay into muons and neutrinos



Cosmics at places

