

New Discoveries About Photon

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Given that the birthplace of photon is the electron and the photons emit from the electrons and continue on their trajectory, in fact, the trajectory of each photon depends on the type of motion of the electron in which is transferred to photon. Electrons usually have two main motions; the first one is around the nucleus and the other one is around themselves. On the other hand, the photon also has a rotational motion around itself. When a photon emits from an electron, its motion is the resultant of these three types of motions. Photon obtains its wavelength from the motion of electron around the nucleus. The combination of the rotational motion of electron around itself and the rotational motion of photon around itself creates a zigzag-like motion in a closed ring, which can be called the internal motion of the photon.

In this paper, by using this type of motion for the photon, as well as considering a photon as a particle with a constant mass, we will express the photon energy equation and we are going to define the nature of superstrings and structure of subatomic particles.