

# Interesting and Remarkable Similarities from the Smallest Particles to the Largest Celestial Objects Part A

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Given that the mass of objects in the universe has an actual and real nature, meaning it occupies space, is affected by force, has the ability to transfer energy, is observable, and so on [1], some interesting points can be made for all objects in the universe, from the smallest subatomic particle – the photon – to the most enormous cosmic structure.

**Photons:** Photons are the fundamental particles that form electrons, protons, and neutrons [2, 3]. These spherical particles rotate around themselves and are composed of tiny particles called "Cidtonium" (equivalent to one billionth of a photon) [4], which rotate around a transient axis passing through the centre of the rotating photon.

**Atoms:** Atoms have a spherical nucleus and electrons which are also spherical and orbit this nucleus [5]. The structure of an atom is also a combination of the nucleus orbiting around itself [6] and the electrons orbiting around it.

**Planetary Systems:** In this system, there's a central spherical planet that both rotates around itself and is surrounded by satellites (from one to hundreds) that orbit that planet [7].

**Solar Systems:** Each solar system also includes a spherical star at its centre, which rotates both around itself and its galaxy, and tens of planets orbit this star [8].

**Galaxies:** Within the structure of galaxies, a supermassive black hole resides at its heart, rotating around itself while billions of stars orbit around it [9].

## Conclusion:

Astonishingly, the structure and pattern of motion of the smallest known particles are the same as those of the largest objects in the universe [10]. From photons to galaxies, everything follows a common rule: rotation, concentric orbits, and spherical harmony. It's as if nature has used a single template at all levels of existence.

## References:

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