Entanglement.

Difficult to be translated. It gives the perception of something closely linked, as shrubs in a bush where they grow independently but with common roots.

It is a phenomenon of quantum physics poorly known. But recently it rose to prominence in the world of experts because 1) has unexpected consequences in the military cryptography and 2) in 2014 has been confirmed to be realized on macroscopic spatial scales, that is not as usual in the microscopic world, as is the majority of quantum phenomena. Without entering the mathematical or physical details, one of the amazing aspects of this phenomenon is that it is able to convey knowledge between two particles or physical locations, without transmitting information. It happens if the two particles were created "entangled". And it was proven that it works.

To simplify, let's make an example. We have two refrigerators, one on Earth and one on the Moon. We do not know if the bulbs inside the fridge light when you open the door. But suppose that the bulbs of the two refrigerators are connected to the same fuse, or "entangled". We open the fridge on Earth and after a billionth of a second, the time that light takes to travel the distance between the refrigerator and us, we see that the bulb lights up. But: not having to wait for the time that the light would take to arrive from the other fridge, that is without receiving any information from the Moon, we know instantly that it work on the Moon, and... without opening it. Immediately, we know.

This happens, however, only if we open the fridge on Earth ... that is, if we act. This phenomenon is a real food for thoughts about the difference between a reality described by waves (quantum) and one described by facts (causal).

But this suggests to speculate about evolution and creationism, where the first is merely the set of relations of an entangled state generated, before the space-time, at the beginning of the big bang. Or speculation about predestination and free will, where the latter is a local description related to decoherence on macroscopic scales resulting from a single state.

Jung elaborated about the synchronicity as a coincidence of events not related by causal relationship but, as they relate or similar content significantly, supporting the concept of space-time-due to acausal connecting (togetherness).

Then he speaks of the presence of an absolute knowledge unmediated by any sensory organ that feature the synchronistic phenomenon, which has not the appearance of general regularity and demonstrability. The disharmony of things is so widely perceived so that their occasional harmony is considered unnatural. Synchronicity does not seem to dominate the macrocosm but mainly aspects of mind and unconscious.

Just an additional information: Jung was a close friend of the famous physicist Wolfgang Pauli and had a near-death experience (NDE). Most of people with NDE report "light" as an approaching target and an out of body experience, that is, a sensation of zero-mass.

In practice, in some sense it can be suggested that the relationship between objects in a space-time dimension is accompanied by one to the acausal connecting, to the purpose, to teleonomy, as it was called by Jacques Monod in his book "Chance and necessity" and described at the beginning of Genesis, when everyone is given a name, or a purpose.

So, if we speak of particles, we have space-time and cause and effect, if we speak of "other", we have synchronicity. If this "other" addresses waves and with synchronicity we identify the quantum phenomenon (that describes particles as waves) of the entanglement, facts can have another scenario to be interpreted within.

In few points:

The entanglement accounts for transmission of knowledge and not of information, and therefore also at speeds greater than that of light. If we also think about the fact that in the Einstein or Minkowski space-time diagram the light acts as a separator between bodies/particles with mass and the so-called tachyions, we can definitely affirm that the gravity, or mass, plays a special role with respect to other forces.

The mathematician Roger Penrose proposed that the human brain can work through quantum phenomena.

The physicist Hawkings says that the indetermination of the loss of information in the black-holes is complementary to that in quantum theory.

In the Big bang theory, space and time were "generated" after a phase in which we cannot at the moment describe anything, but this phase is definitely associated with light-energy.

Something ties brains and stars.

Many paths of science and religion could be considered parallel but not in disharmony.