

Research on the Correlation between Quantum Entanglement and Thinking Consciousness

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ABSTRACT

The development of quantum technology has profoundly influenced research on consciousness. By analyzing the interaction of various microscopic particles in the universe, the article proposed that all things exhibit interconnected non-locality in both time and space, and that the interrelated connections of everything in the universe are based on quantum entanglement. Through analysis of the cellular and nervous system functions of organisms, as well as the influence of quantum science theories on consciousness and combined with research results in related fields, this paper presents the following viewpoints: first, life bodies exhibit quantum entanglement phenomena. Second, biological electricity phenomena are closely tied to consciousness. Third, both life bodies and non-life bodies are conscious, but different entities exhibit varying degrees of strong and weak consciousness. The strong and weak thinking consciousness influences the fluctuation of quantum and the size of quantum entanglement degree. Quantum fluctuations affect the consciousness of both life bodies and non-life bodies, and the entanglement quantum influences the degree of inductance between each other. Finally, the combination of quantum entanglement technology and thinking consciousness can realize the interconnection between human beings and the universe. Consciousness may affect the results measured in quantum mechanics when people observe. However, the macroscopic world mainly adopts the laws of classical physics to solve problems in life. Under certain conditions, the law of quantum physics and the law of classical physics can affect people's lives together. No matter what angle we view the material world, it is real, and the universe is not illusory.

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Introduction

For the definition of “consciousness”, there is still controversy in academia at present, there is no accurate and clear conclusion. The study of consciousness is mainly based on neurobiology at present. The development of quantum mechanics, from a completely new perspective, influences the origin and function of consciousness, and profoundly influences the research of philosophy, biology and psychology on their own theoretical system.

From a biological point of view, neurons are closely related to the generation of consciousness. Physiologically refers to the sum of the characteristics that the organism can perceive by its physical perception system and the related perceptual processing activities. When the individual senses are stimulated, these stimuli are converted into electrical or chemical signals that are transmitted through the nerve fibers until they are terminated in an effective response to external stimuli. This process of conduction, that is, the process of consciousness [1]. This paper expands on the meaning of consciousness.

Quantum physics studies the interaction between microscopic particles, in which the principle of uncertainty and the phenomenon of quantum entanglement are so difficult to comprehend, but they are similar to the complex and changeable and unpredictable characteristics of consciousness. Therefore, in the early development of quantum theory have the “observer effect” and the hypothesis of thinking function. Since the 1960s,

quantum physicists and neuroscientists have been trying to find relevant quantum effects from the human brain. Umezawa et al proposed that there is a possibility of in spatial distribution of quantum dynamical degrees of freedom with complete ordering in brain cells. For the system of multiple brain cells, he proposed a physical model for improving the spatial distribution of the degrees of freedom of quantum dynamics [2]. Penrose and Sameroff’s Consciousness Quantum Model (ORCH OR) suggest that consciousness is produced in the microtubules of the cell membrane, where the proteins electrons are the site that produced conscious activity. Wigner, who won the Nobel Prize for Physics in 1963, believes that consciousness can collapse by the wave function, making the indeterminate state change into a definite state to alter the objective world. The EEG (Electro Encephalo Gram) experiment in the University of Southampton confirms that the process of thinking is essentially quantized [3, 4]. A growing number of physicists and cognitive scientists have argued that there is a profound and important intrinsic connection between quantum and consciousness.

All Things the Universe is Interconnected based on Quantum Entanglement

The life body and the inanimate body in the universe are composed of microscopic particles such as atoms, electrons and photons. Whether it is the sun and moon stars, the mountains and the rivers, or the people, animals, plants are so. According to Einstein’s principle of photoelectric effect, light waves both have waved and particle properties and the effect of gravitation spread in the form of waves. The material wave hypothesis proposed by De Broglie further states that all matter has wave-particle duality,

and any matter can fluctuate. In 2015, the LIGO and Virgo project team have probed the gravitational waves from the collision of two black holes, about 1.3 billion light-years from Earth, is the powerful arguments for this view. In 2014, American astronomers first photographed cosmic diffuse gas networks and detected super giant glowing gas filaments connecting all galaxies in the universe [5]. Thus, it can be speculated that cosmic celestial objects are interconnected.

All kinds of particles in the universe interact with each other through gravitation and produce a certain association. But this kind of association is conditional, not holographic counterpart. When two particles of matter in the universe are in a state simultaneously, which will produce electromagnetic energy inertial interactions and quantum entanglement phenomenon at the time of interaction [6]. That is, two entangled particles, no matter how far away from one another, the behavior of one particle will affect the state of the other [7]. When one of them is manipulated (for example, quantum measurements) and the state has changed, the other one will also immediately change the corresponding state, these two results are bound to be interrelated. It is like a pair of twins that who have “telepathy”, can to “perceive” the state of the other. In an experiment completed in 1982 by French physicist Aspect and his team, it not only confirmed there is a relationship between quantum entanglements exists in microscopic particles, but this entanglement could be maintained once it happened. That is, the microscopic particles can maintain this memory ability, and able to distinguish and identify specific particles that have the “entanglement relationship” with them. And can able to “recognize” and “remember” this entanglement relation without being constrained by time and space [8].

Therefore, I believe that whether it is cosmic celestial bodies or all things in the world; it is composed of micro -particles. As long as there is a quantum entanglement relationship with each other, the weak magnetic field generated by some quantum spins can interact with the magnetic field generated by other entangled quantum spins to generate a quantum induction field, and generate a quantum i induction wave with the fluctuate of the induction field, to induction each other. All things in time and space are non-locally interconnected, and everything in the universe is interrelated under certain conditions.

Consciousnesses is a basic Characteristic of Matter Life Bodies Body has Quantum Effects

At present, all organisms except viruses are known to be composed of cells, and the virus life activity also must be in the cell to be able to manifest [9]. The cell is mainly composed of nucleus and cytoplasm, and the main structure of the nucleus is the nuclear membrane. On the inner surface of the nuclear envelope, there is a network frame composed of polypeptide substances. The polypeptide is compound a-amino acid peptide bond to connect together to form, usually made of 10~100 amino acids dehydration [10]. Therefore, organism body is composed of a variety of microscopic particles, also have a quantum effect, and thus also have the phenomenon of quantum entanglement. A well-known condensed matter physicist Matthew Fisher published a paper in the Yearbook of Physics in 2015 that theoretically demonstrated the possibility of a quantum neural mechanism based on the nuclear spin of phosphorus nuclei [11]. Howard University researchers’ study indicates that under the irradiation of ultraviolet light, molecules in the tryptophan giant network exhibit a synergistic effect, leading to the phenomenon of super radiance, which implies that tryptophan molecules exhibit quantum effects at the collective

level [12]. This may be related to quantum entanglement and coherence, which are important resources in quantum information processing and quantum computing. The research results from Shanghai University indicate that the cylindrical cavity formed by a myelin sheath can facilitate spontaneous photon emission from the vibrational modes and generate a significant number of entangled photon pairs. The abundance of C-H bond vibration units in neurons can therefore serve as a source of quantum entanglement resources for the nervous system [12]. This may provide a new mechanism for the brain to utilize these resources for quantum information transmission, thereby had explain the potential sources of neuronal synchronous activity. Other studies in the field of quantum biology also suggest that quantum tunneling and quantum entanglement have played a key role in photosynthesis, olfaction, bird navigation, neural activity, and adaptive mutations in genes. In the chlorophyll of most plants, such as spinach and seaweed, the quantum wander mechanism based on quantum coherence is found. Scientists have observed the evidence that the quantum effect works in the interior of cells associated with photosynthesis.

Life Bodies have Consciousness, and their Strong and Weak are Different

The organisms’ organs, tissues and cells will occur the potential and polarity change in the process of life activity, and resulting in bio-electricity [13]. Bio-Electrical phenomenon is one of the basic characteristics of life activities. All kinds of organisms have the performance of electrical activities. All living organism body is stressed. The stress of plants has some limitations. Some plants are stimulated to produce a motion response, and often have a conductive potential change. The electrical changes that occur when an animal’s cells or tissues are stimulated are more pronounced than plants. The electrical reactions that can spread in animal bodies are also more common. Even in the absence of stress-induced excitement, there are potential differences between different parts of the biological tissue or cell. The organism body transforms various stimuli into nerve impulses and responds in a timely manner. Thus, these stress reactions can be regarded as a primary consciousness of the organism’s body. For example, Bonner and Gregor, such as Princeton University, have found that slime mold cells communicate with each other by releasing and receiving a chemical substance called cAMP. And forming a bacterial group, coordinating action, and moving food. Latty, of the University of Sydney, has made a biological, behavioral strategy study of 0.01 grams of slime, finding that it can weigh environmental factors and food quality and make the decisions with have intrinsic uncertainties [14]. the organism’s body has a stress response, as shown in Figure 1:

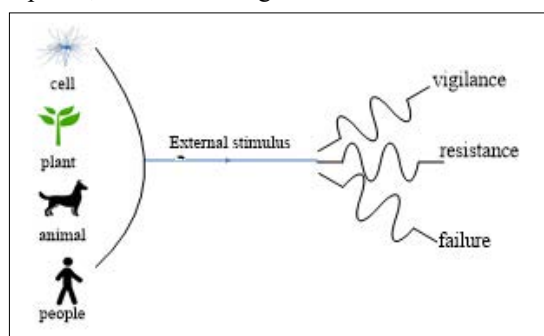


Figure 1: Stress Response of Life Bodies

The lower vertebrates have a simpler brain, and the brains of humans and mammals are particularly developed. The electric field generated in the central nervous system of higher animals

has a “spontaneous” rhythmic potential fluctuation on the scalp of a person or animal, which is called brainwave. The brains of humans and animals, including the thalamus, the brain, and the cerebellum, are composed of neurons. Human consciousness arises from the brain. The thalamus is the organ that gives out the qiu jue gland. The brain liaison area is the qiu jue activity place, the consciousness is realized in the brain liaison area [15]. Therefore, both human beings and other organisms have consciousness, but the strong and weak of the subjective consciousness is different. For example, some animals demonstrate the ability to self-identify in mirror tests, which may suggest the possibility of self-awareness. Maye et al. in their behavioral study of fruit flies, discovered intrinsic uncertainty and believe that their experiments support the notion that fruit flies possess free will [16]. Baluska and other scholars have found that similar processes and mechanisms for communicating decision-making with neurons in the brain also exist in plant-lush roots [17]. The behavior of higher animals is even closer to that of humans, showing uncertainty and free will [18]. The behavior of crows, chimpanzees, elephants and many other birds and mammals suggests that they may have “consciousness”. Researchers are expanding the study of consciousness to a wider range of animals including octopus, bees and flies. According to nature, based on the above research, a coalition of scientists called for rethinking the relationship between animals and humans [19].

Non-Life Bodies have the Most Basic Consciousness

From the perspective of biology and psychology, consciousness is generally considered to be the comprehensive performance of the functional activities of the brain’s high-level nerve center, and the ability of people’s cognitive and perceptual of the surrounding environment and their own state. However, the consciousness of the life bodies from the cell. Its basic composition of the material contains proteins and nucleic acids, which are related to various microscopic particles. So, it can be inferred that consciousness is a basic property of matter, and consciousness has a quantum state. Thus, non-life bodies also have primary consciousness. However, because they cannot grow, develop, and exercise according to the characteristics of heredity, so only has the most basic inductive relation that is produced by quantum entanglement, so there is only the most basic consciousness. Such as some metals and their alloys have “shape memory” ability. some researchers believe that consciousness can exist in animals, plants and even non-life (such as rocks, chairs, etc.), but these non-life bodies Lack of soul, creativity, individuality and internal purpose, so some philosophers and scientists believe that they lack mind [20]. There are also studies indicating that non-life substances have two types of active consciousness layers and two forms of intelligence, while life substances have eight levels of active consciousness and three forms of intelligence. This view attempts to explain the existence of consciousness through a broader definition, which is not limited to life bodies [21]. In addition, some modern quantum physics theories also support this view, believing that each cosmic particle contains complete information about the entire universe, and can obtain the required information by removing the barriers between the layers of consciousness. This provides a theoretical basis for the possibility that non-life substances may have some form of consciousness [22]. Additionally, through the reduction to absurdity, Conway and others’ theorem on free will has proven the following fact: if humans possess free will, then elementary particles do as well [23].

Quantum Fluctuations Produce an Impact on the Thinking Consciousness

Although some studies try to explore the relationship between

quantum collapse and consciousness through experiments, most physicists still believe that quantum collapse and consciousness are independent [24]. The experimental team of the Sanyi College of Dublin tested the existence of the quantum process in the brain through the theory of quantum gravity. The fundamental basis is that they believe that the thinking process of the brain may interact with the nuclear spin, regulate the entanglement between the nuclear spin, to perform quantum calculation. This study suggests the existence of entanglement mediated by consciousness related brain functions in the human brain [25].

The Fluctuation of Quantum in Human Body Affects People’s Thinking Consciousness

Brain wave is a probability wave of matter, which is an overall reflection of the electrophysiological activity of brain cells on the surface of the cerebral cortex or scalp [25]. Neurons cells in the brain, whose electrical pulse behavior also contains a lot of spontaneity and uncertainty [26]. The nervous system is the functional regulatory system that plays a leading role in the human body, and each nerve will discharge for itself. When the nerves interact, the brainwave pattern appears as a state of thinking. Different neural activities produce different modes of brainwave. Different modes of brainwave emit brain waves of different amplitudes and frequencies [27]. When the quantum that in a person’s body happens collided due to gravitational effect, it may be in an entangled state. Therefore, in the human body, including the brain, both have the entangled quantum pairs. And the fluctuation of the quantum in someone’s body will have an impact on this person’s brain waves, and then affect this person’s consciousness. And then affect the human consciousness. Its size of its influence is related to which have a number of quanta in the human body, and a number of quantum entangled produced with the brain wave, and so on, and proportional to. As shown in figure 2:

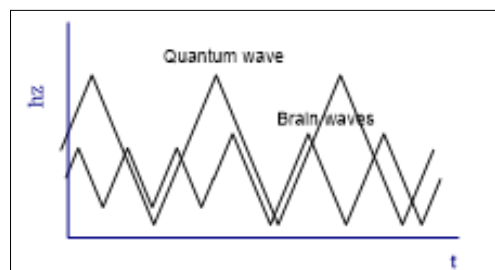


Figure 2: Interaction between Quantum Wave and Brain Wave

In the individual with quantum entangled state, the higher the frequency of the spin wave generated by a single quantum spin, the stronger the magnetic field generated, the higher the intensity of the induced wave generated by its interaction with the magnetic field generated by other quantum spins with entangled states. At the same time, the greater the number of quantum entangled states in the individual, the stronger the intensity of the induction waves produced. The stronger the induction wave, the greater the attraction between each other, and the greater the possibility of mutual perception between individuals. But thinking awareness can affect this ability to sense. This kind of the entangled quantum pair can able to occurrence the non-locality association with other life bodies that in the outside world and non-life bodies, and has an effect on the quantum vibrations of other objects or life bodies that are entangled with it. Its size of the influences related to the quantum pairs that they are entangled between with each other, and the degree of entanglement and other factors, and it is proportional to the degree of induction between each other [28].

The Quantum Fluctuations in the Body of other Life Bodies and Non-Life Bodies Affect their Own Consciousness of Thinking

Similarly, animals, plants and other organism body, non-organisms body are also composed of a variety of microscopic particles, and the quantum fluctuations in their bodies also affect their own consciousness. And the quantum pairs that they are entangled with each other, will to occurrence the non-locality association with other life bodies that in the outside world and non-life bodies too.

Entanglement of Quantum Affects the Degree of Inductance between Objects

Different populations, the consciousness intensity that they have, are different. If you divide consciousness by grade, then human have the higher-level consciousness to things. And the animals have the intermediate level consciousness. The plants have the low level of consciousness. And other life bodies have lower-level consciousness. The non-life bodies have only the most primary consciousness. However, the strong or weak in this awareness also determines the strong or weak of thinking ability. The life bodies that have the higher grade of thinking consciousness have the self-thinking ability. I think that how much of the number of the entangled quantum in an object will affect the degree of induction between objects and is proportional to. Similarly, how much of the number of the entangled quantum in the human body will also affect the level of induction from person to person, and proportional to. However, the entangled quantum should only make to create the perception of each other, and will not affect people's thoughts about the likes and dislikes of things.

The Influence of Thinking Consciousness on Quantum

The activities of neurons in the prefrontal cortex, parietal lobe, temporal lobe and other regions of the brain are closely related to the formation and operation of consciousness. When neurons issue electrical signals, these signals are transmitted through neural network connections in different brain regions, so that make the brain integrate the information which input, formation of conscious experience such as perception, thinking, emotion and other consciousness. Research from Shanghai University shows that consciousness in the brain depends on the synchronous activities of millions of neurons. The cylindrical cavity formed by myelin sheath can promote the spontaneous photon emission of vibration mode and produce a large number of entangled photon pairs. Therefore, the rich CH bond vibrational units in neurons can be used as the source of quantum entanglement resources in the nervous system. These findings may help to understand the ability of the brain to use these resources for quantum information transmission, thus clarifying the potential source of neuronal synchronous activity [29].

The Strong and Weak of Thinking Consciousness Affects the Fluctuation of Quantum

According to the research of modern brain electrophysiology neuropsychology, brainwave activity is mainly divided into four groups: alpha wave (frequency between 9 Hz -13Hz), beta wave (frequency about 14 Hz -30Hz), theta wave (frequency between 4 Hz -8 Hz), delta waves (frequencies between 0.5 Hz -3 Hz). A pattern of brainwave activity is associated with a particular emotional state, corresponding to relaxation, stress, light sleep, deep sleeplessness, etc. [30]. The brain waves are mainly β -wave (13-30 Hz or up to 500Hz) when the human brain is actively thinking, identify and judge, logical reasoning, and other complex activities. The stronger the ability to think consciousness, the higher the vibration frequency of the brain wave, the stronger the disturbance to the quantum, the greater the influence. Thus,

people can change their own thoughts and emotions by changing the quantum fluctuations through the independent thinking consciousness. It is also possible to influence other people's thinking consciousness through the inductive relationship that has produced between the entangled quantum and other people, thus affecting their thoughts and emotions. And people with stronger thinking ability have greater influence on other people. Therefore, in daily life, it is often seen that some people are mightier, some people are easily manipulated. Other organism body, non-organisms body, because of the different strong and weak of thinking consciousness, the impact of quantum fluctuations vary, and is proportional to. As shown in Figure 3:

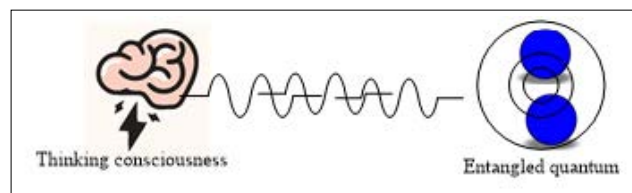


Figure 3: Thinking Consciousness and Entangled Quantum Interactions

Thinking Consciousness Affects Quantum Entanglement Degree
The strength of thinking consciousness will affect the quantum entanglement degree, and is proportional.

On the one hand, can make the degree of entanglement from strong to weak. Such as feelings of good friends and family members, for some reason and produce conflicts, ignore each other, and even cut off the intercourse. This is because they originally had a strong inductance between them, the degree of quantum entanglement is larger. However, due to the role of thinking consciousness, this kind of inductance is decreases, and even disappears completely. Thus, the entanglement degree of quantum also decreases.

On the other hand, can make the degree of entanglement from weak to strong. Such as two of people who do not know or the feelings of the general, through mutual exchange, discovering that each other's interesting is congenial, and produces good feeling, thus affecting the quantum fluctuations in their bodies, causing some quantum collisions between each other, resulting produce in entangled quantum pairs. When this kind of good impression strengthens, their quantum entanglement degree also strengthens, and then their induction degree increases, and becomes the good friend.

This influence is mutual. But the intensity of consciousness of different populations varies. The party that has stronger ability with thinking consciousness, the quantum number of entanglement in the body is more, the higher quantum entanglement degree, so it is more likely to have the influence on the lower quantum entanglement degree and weaker thinking. For example, People can produce inductive relationship through the entangled quantum which is in their body and in the animal and plant's body, to achieve mutual communication. Because of thinking consciousness of animals and plants is weaker, the lack of initiative in communication with others, is easy to be controlled by others. Two recent studies have confirmed that the tacit understanding between human beings and doggy people is really exists! In a paper in the October 19, 2017 "Scientific Reports", the Juliane Kaminski and her team of the British University of Portsmouth said, dogs can use facial expressions to try to communicate with humans. This is the first time researchers have found evidence that non-primates actively use facial expressions to communicate. Before that, people always thought the facial expressions are an

automatic response by animals to their emotional state. Dogs can also get to know the emotions of human beings from the sense of smell, and therefore affect their emotional [31].

Thought Experiment

Detect the Intensity of the Induction Wave Generated by the Entangled Quantum Pairs A and B

1. Perturb quantum A, measure the frequency of spin wave generated by A and the strength of magnetic field.
2. Measure the spin wave frequency and magnetic field strength of B at this time.
3. Measure the frequency and intensity of the induction wave generated by the interaction of two magnetic fields.
4. Repeat steps 1~3 to observe the change of induction wave intensity at different frequencies.

Detect the Influence of Induction Waves Generated by the Quantum Spin on Individuals

1. Let the two people jia and ye who do not know each other meet each other, observe the two people's talks, and measure the frequency of emotional fluctuations (brain waves) at this time.
2. Embed a pair of entangled quantum A, B into jia and ye's body, respectively.
3. Drive the quantum A in jia body, measure the frequency of the spin wave generated by A and the strength of the magnetic field.
4. Measure the frequency and magnetic field strength of B spin wave at this time.
5. Measure the frequency and strength of the inductive wave at this time.
6. Measure the frequency of emotional fluctuations between the two individuals of jia and ye, respectively.
7. Embed Multiple pair of entangled quantum into jia and ye's body, respectively. repeat steps 3~6.
8. jia and ye use their own thoughts to interrupt or strengthen their connection with each other, and observe the emotional fluctuations in their brainwaves at this time. As shown in Figure 4.

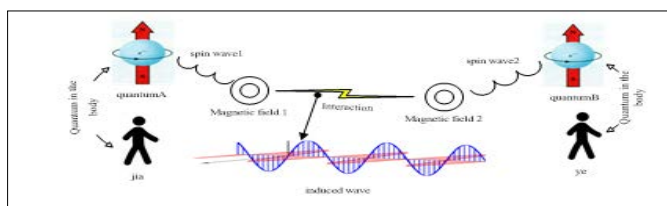


Figure 4: Quantum Entanglement based Mutual Induction between People

Quantum Entanglement Technology Combined with Thinking Consciousness can Realize the Communication between Human beings and the Universe of All Things

In summary, material is the physical and field of all objects in the universe. It often exists in solid, liquid, gas, plasma, Bose-Einstein condensate, fermion condensate, and other states. It is the fundamental element that constitutes various forms, life, and even the universe [32]. According to de Broglie's material wave hypothesis, the larger the mass of particles, the higher the energy of the system, the more difficult to show a quantum effect. As the macroscopic object has the definite position, the mass, the size, the height and so on, it shows the morphology of particle more. Such as "Wave" emitted by the human body is a very short wavelength, the nature of fluctuations is almost impossible to measure. Just

as the gravitational waves discovered by astronomers, because of the difference in mass, the strong or weak of the waves is different [33]. Therefore, it is difficult to observe the fluctuation of objects and the inductive relationship between objects in daily life. Volatility is more pronounced in the micro world. However, this kind of volatility of macroscopic object still exists objectively, and also has the phenomenon of quantum entanglement.

The Human brain transmits information through different frequencies of brainwave. At the same time, person communicate with other people or animals and plants by transmits their thinking consciousness. Brain-computer Interface (BCI) technology can read human brain waves and convert EEG signals into output control signals, thus realizing the direct interaction between neural signals and external machines. In 2015, the University of Washington issued news that their school scientists use the network within 1.5 km distance to transmit someone's thoughts to another person by the electromagnetic waves. This means that people's idea and thinking is a substance that can be converted into electromagnetic waves to transmit and receive [34]. But this kind of pass mode is completely different from passing thinking consciousness through quantum entanglement.

The life bodies other than humans also have their own language and thinking mode, in their own population can freely communicate with each other. Such as bees can transmit information to their companions through vibrating wings. Consciousness is a basic characteristic of material, and consciousness has a quantum state. As a result, non-life body also has elementary consciousness.

Human beings with advanced thinking mode can transmit their will through inductive waves to the living bodies and no-living bodies that exist quantum entanglement relations. Animals and plants and other lower life bodies, the thinking consciousness is weaker, and the human thinking consciousness ability is the strongest. Therefore, the pass of consciousness will be mainly by people. Thus, people can generate mutual inductance with them through entangled quantum. And pass on the thought consciousness to them through the inductive waves. For example, people may request puppies, kittens to eat, sleep, perform programs, etc. And they may express their emotions and feelings through induction waves, and communicate with human beings.

Turing's quantum theory of odor and smell indicates that people can smell odors based on the quantum tunneling principle. This tunneling effect can occur only when the chemical bonds in the odor molecule are resonating at the appropriate energy level [35]. This shows that the resonance of particles plays a very important role in thinking consciousness. According to the principle of resonance, if the frequency of the quantum that is in entangled state in a human brain, is highly consistent with the frequency of the quantum that is in entangled state in other life bodies and non-life bodies, resonance can be generated. According to this, if we first use some kind of equipment to produce pairs of entangled quantum, and then put the entangled of each other, and have the same vibrational frequency's quantum infiltrate separately into someone and other objects, causing them to generate an inductive wave with each other. Or to find entangled quantum pairs between each other, and make the frequency of their fluctuation is highly consistent, producing an induction wave. Then a person can transmit consciousness to each other, or pass to other life bodies and non-life bodies, thus can build a quantum-inductive network system similar to a wireless network to realize the interconnection between human beings and all things. This connection is related

to the induction degree of each other, and is proportional to. The more quantum the number that is in entangled states, the greater the chance of obtaining useful quantum effects. As shown in Figure5:

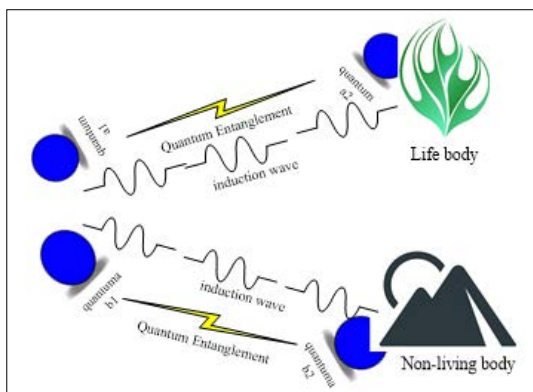


Figure 5: Human Mutual Communication to Other Populations based on Quantum Entanglement

Concluding

With the rapid development of quantum physics, the confluence of physics and life science has become a trend and has a profound impact on the study of consciousness science. The material world interacts through the entangled quantum and consciousness, make mankind can consciously change the objective world. Academician Pan Jiawei believes that the thinking mechanism inside the human brain is closely linked to quantum entanglement and quantum superposition. The theory of quantum uncertainty tells us that you are unmeasurable. "Unmeasurable" guarantees the essential difference between human beings and robots. Human beings have free will and free thought [36]. Consciousness may be really affecting the results of the measurements that people have observed in quantum mechanics. But this does not mean that the universe is illusory, is holographic. This can only show that human knowledge of the material world is limited. For example, according to the Physicists' organization network December 5, 2017 report that, the scientific research team of Northwestern University in the United States recently have created the quantum entanglement that come from biological systems for the first time, this is opened the door for biology tools that to gain the new functionality through the quantum mechanics [37].

The law of quantum physics mainly applies to the microcosm, and the macroscopic world mainly uses the classical physical law to solve the problems in life. The two have intersection, can affect people's real life together, but need to meet certain conditions. And micro world observations results are not necessarily effective in the macro world. Therefore, the results of quantum physics research cannot be applied arbitrarily to real life. For example, ants can only recognize things from two-dimensional space. Human beings can only recognize things from three-dimensional space initially, too. But development to the present has now been able to observe things from four-dimensional, five-D space. Early physicists thought the space was flat, but now, as long as wearing 3D glasses, you can watch 3D movies. As long as you board a spacecraft and look at the Earth from space, you will know that the Earth is round. People's cognitive level is constantly improving; we already know that space is multi-dimensional, although we do not obviously feel the existence of multi-dimensional space. No matter from which point of view the space, observe the material world, its essence is still composed of various atoms, protons, electrons and other microscopic particles, is still true existence. With the development of technology and the further deepening of

human cognition, more real images will be revealed and to display in people's horizons. Human beings will continue to improve the environment and perfect themselves. This is the manifestation of the progress of human civilization .it is the source of human beings can to live endlessly and pass on from generation to generation.

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