

# Any Chance To Unify?

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IN this ocean of Science where can we swim? Where ever you go, there is an unlimited depth and mystery. Compare to eighteenth and nineteenth century, 20th century is expanded rapidly. And scale of science extended and expanded in many directions and many dimensions. The rule of nature is also saying the same way, all of this universe must be in dynamic, not in static. Means must be in action or motions. As mentioned, 20th century is a harvest period of time. Experimentally verified many theoretical predications. Especially in the modern physics. Modern physics is mainly ruled by the relativity and quantum theory. Richard P. Feynman said that, "It doesn't matter how beautiful your theory is, it doesn't matter how smart you are. If it doesn't agree with experiment, it's wrong". From the work of CERN (European Council for Nuclear Research) by using large hadron collider discovered the Higgs boson which is fundamental particle. This are all (quantum like particle) usually we study, this things in the plank's scale. Energy scale around  $1.22 \times 10^{19}$  GeV and mass scale is  $2.1764 \times 10^{-8}$  kg. In 2015, LIGO (Laser Interferometer Gravitational-wave Observatory) was detected first gravitational waves form the two blackhole collide, this collision happened approximately 1.3 billion years ago. One of wonder in the field of Physics is discovery of blackhole and found real image of the blackhole M87 in 2019 April 10. In that day, for physics or generally science lovers, its wow! Feeling. We human kind, day by day improving our skills and proving once a prediction is now fact. Just look at few example-like gravitational waves, black hole etc. they are once upon a time pseudoscience or non-existing fact, but now? That's why TIME is illusion as well as reality and it is mysterious. When time comes, every secret will be reviled. Is it necessity to extend scale in different direction? Answer is, you have to ask this question to the nature, Why? In my view, just draw a line horizontally, we don't know the started point. For our reference just consider a point. And human kind start investigation madly! Some are faced towards the quantum level and some of faced up side (means, concentrated on space science). From the substance to quark and now strings. We reaching in the other direction, we got beautiful image of M87's event horizon. In both(all) direction it will be moving with time. Also, we found gap between quantum and nuclear physics, that is nanophysics. So why this is happening? Why human thinks all of this? Consider a tree, the root spread downward to search water and minerals. Same way branches spread to basically search the light. It means, connecting one particle to another particle. Even you can see the water molecule can response to sound and emotions. Researcher proved it in experimentally. You can refer the hidden messages in water by Masaru Emoto. This means we can unify the theory, but why we are failing to unify? We know maxwell unified the theory of electromagnetic unification, that is he had unified electric field interactions and magnetic field interactions. Electromagnetic and weak nuclear interaction unified now, discovered by Abdus Salam and Steven Weinberg. So, it means Yes! unification of all the forces or interactions is possible! When, a certain size (or scale) of particle meets. Definitely we have to be considered the subatomic particle's characteristic. For example, Einstein's electromagnetic and gravitation unification was not valid. Because of the same reason. Only last end fundamental particle can obey the unification. But we are not yet found

that particles. We are reached up to string (based on string theory). We don't know string may be the end or not, probe is must be going on. So, why humans are doing this? Why mankind thinking all of these different directions of scale? Already I have mentioned in the tree example. So, there must be a network connection in this universe. Something like root is connecting with soil to searching for something. That means those are building a network. See, macroscopically roots and water or minerals are different, but they are connecting, means what? It is unifying in the end levels of the particles. Similarly, it is same in the human. That's why human will might be thinking like that. Say for example human can see the objects, listening of sounds, feels the touch. Whatever the particle and whatever the waves finally they send messages as electromagnetic signal to the brain. So, in our brain have ultimate end level of particle. That may be trying to connect the other web or the particle (something like root and water relation). So finally, one day we will reach fundamental thing and we will discover what are the facts behind all of this! So, if you are thinking something base less, it is not a base less, it means not worthless, it matters! That full fills the small gaps. And keep thinking, start probing. Let's unify everything.