

Unidentified end of universe

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When I was a child. I wondered what's out there. A clear blue sky and a lots of patches in dark sky, hold my hand and lifted on the surface of avail questions and puts my curious in a ride. I began to wonder about what makes the sun, stars so luminous. Also, when I saw through my little eyes to the spectacular views created by mother-nature. I was absolutely thrilled! Not because I was invited to view these, but because I landed my curious on, why I am here! I believe that everything has its own specific reason to be here. I can scabble the space around me but I don't know how gigantic it is. In this article, I want to elaborate my own ideas and views, that was electrify my trillion of neurons and popped up into my mind.

Think about the space where there is no either nature's smallest particle at all. I mean totally vacuum. I believed that, we can't never make a totally vacuum space where we are living right now. If we do so then, it's only considered as a space where a specific particle is replaced but no other particles. To exemplify it, let's take a vacuum created by us. If we are inside that vacuum and shouts for a help. The person outside that vacuum can't hear even a fade sound because in that vacuum there is no particle to be disturb the sound energy given by us. Though there is other smallest particles but the momentum gained by them is so high that they can't follow the specific frequency given by us. If that vacuum is totally empty then, how can the light transmit into it and makes an image on our retina? We know that, light is also a bundle of particles. Let's inscribed into the topic, lots of scientists or even a layperson is being tantalizing by the creation of universe. I believe that, the beginning of universe was from a totally vacuum space. The space created the first nature's smallest particle and began to birth in very small interval of time. The space now also creates that particle what we called as "Dark matter". Dark matter was actually postulated by a woman physicist named Vera Rubin, back in the 1960's. She questioned herself that our Milky Way galaxy rotates so fast. By Newtonian mechanics, it should fly apart. Her results were considered ridiculous. How could our galaxy spin so fast that it has to be fly apart? She said, well maybe there's matter out there holding it together. People laughed and pretty much ignored her work. Not anymore [1]. We now realize that she may eventually win the Nobel Prize for dark matter. So, there is a dark secret in our field of physics, and that is that women scientists are sometimes not treated as equals.

In my perspective view, if we are able to crack the process of the birth of nature's smallest particle then, I believe there will be a magnificent revolution in the field of physics. The event so held should be considered as "The beginning of universe". The theories we have and that was theorized on the basis of the assumption can't never be falsified inside the arena of that assumption and also, in the way of mathematics but it might be falsified through the laws of nature. Richard Feynman argued that antiparticles are nothing but particle traveling in past. If everything remains same and only time get reversed then particles property become antiparticle property. So if particle travels in future then antiparticle must travels in past. Particle and antiparticle are nothing but part of energy travelling in both direction and annihilation is liberation of energy in end of journey [2]. If Feynman was right then there must be equal no. of both particles but from our observation, particles are more than antiparticles. Finally, this theory was rejected and scientists are willing to explain it through the idea of entropy. So, if we find the assumption little bit ahead of previous assumption taken to hold the theory. Then, we will be succeed to formulate one inch equation that can reveal all the laws of nature. It's really a tougher job to do and totally chaotic but if we young curious blooms set a little thoughts in it then, remember there

are millions of blooms out there then, that task will be finally divided and there will be no longer a tougher job. It's only our attitude that we are zooming out.

The gravity, magnetic field, solar wind, field created by black hole, as a whole "The invisible forces" are totally weird and can't be easily understood unless we know the behavior of the nature's smallest particle. I believe that, every small particles has an impact of big particles and the field thus created is because of motional space. I used a term "motional space" that I meant to say is, if a particle is in motion then, the small particles are affected. So, the small particles moves towards the big particle and then, they create an elastic like space, I named "elastic space". To be clearer about this idea, let's take two inflated balloons. Assume that, the space I usually say "elastic space" be a balloon and if we push that balloons each other. Then, it can be pushed up to its elastic limit and it blast out but if we suspend free at that instant where they reached up to its elastic limit then, they repulse each other. That how the fields works.

I believe, the particle behavior is not simple as we thought right now. Let's take an example about distance and displacement. Distance is defined as the total path travelled by a body and displacement is defined as the shortest path that a body can travelled. If I ask you a question in these topic like, there are two points A and B. Also, there are lots of paths to travel from A to B. Among these, there is a path that is the shortest distance ever. Now I ask you a question which path do prefer and why? You will surely say, that shortest one because if we move in a constant speed through every paths then, the shortest time taken is from the shortest path. Again I ask you a question, Is there is any case that a shortest path can takes a longest time with a constant speed. You will probably say No, there is no any cases like that. But, In the case of particles behavior, if a particle is moving from one point to another point then, that particle prefer to move in a curve path with short time interval because particles prefer to move from higher density to lower density. This is because, the particle has its forward direction but if it can't forfeit the high density region, it shifts towards the low density region. To be much clearer, suppose you are walking in the footpath where there is lots of peoples walking here and there. Also at that time you are quiet busy then, you won't prefer to move straightly but you prefer to move in free region to cut that crowd and reach your destiny. At that case, though distance is long but the time interval to reach in your destiny is short. There are lots of paradoxical cases that a particle behave.

I believe that the universe consists of ingredients like nature's smallest particle to gigantic bodies so, the ending point of universe is the point where the nature's smallest particle is just reached. Also we know that, Mr. Hubble found long years ago, the Star-Crowds are running away from each other, as the space between them gets bigger and bigger. Beyond the ending surface of the universe, there will be totally vacuum. Now a question arise, how big vacuum is?

In a nutshell, I asked myself, Will it be possible to achieve the size of vacuum of our space and how it be like? If I able to crack these codes, coded by mother-nature within my entire life then, that time will be the great Eureka moment not only for me but for the whole world.

References:

[1] Active article URL: http://en.wikipedia.org/wiki/vera_rubin

[2] Active article URL: http://en.wikipedia.org/wiki/richard_feynman