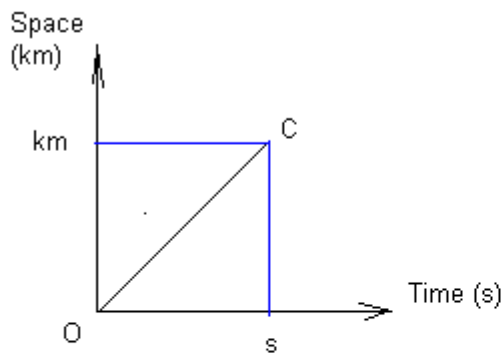


A Variation in Light Velocity will be Proven by the LHC Experiment.

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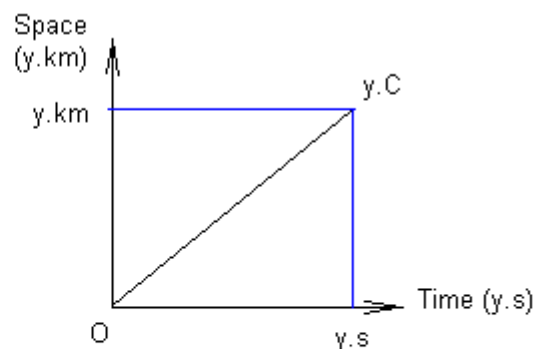
Now, the scientists on the large hadron collider project (LHC) are trying to create a “BigBang” explosion by the acceleration of particles (protons) in order to find the “seed of God”, particle (Higg's) which creates mass.

To accelerate proton's speed to approximation of the speed of light, we have to use Einstein's relativistic energy formula: $E_{re}=m_r.c^2 = m_o.\gamma.c^2$, (of which, $c =$ constant light velocity). But Einstein's relativistic energy formula is not exacty, (please read the papers: “Einstein's Energy Formula must be Revised” and “The Twin Paradox” in GSJ). That formula must be revised by the formula: $E_r=m_o.\gamma.(c_o.\gamma)^2=m_o.\gamma^3.c_o^2$. (Of which $c_o=c$ is our light velocity, $c_r=c_o.\gamma$ is light velocity at the space and time of the proton when it moves rapidly)



Unit of light velocity km/s in space (km) and time (s) of proton when it doesn't move

$$c=300,000\text{km/s}$$

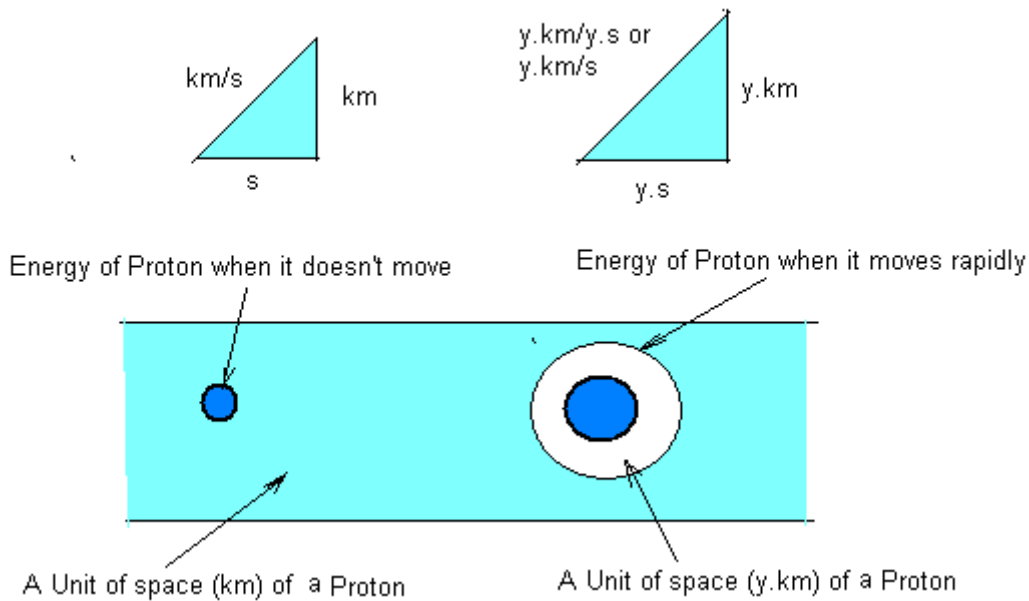


Unit of light velocity y.km/y.s in space (y.km) and Time (y.s) of proton when it moves rapidly and if its space and time are changed by Einstein's Relative theory.

$$y.c=300,000 \text{ y.km/y.s}$$

The Light velocity at space (km) and time (s) of protons when it doesn't move is only similar, but not equal to the light velocity at space (γ .km) and

time ($\gamma.s$) of the protons when it moves rapidly. So we can't use $c=\text{constant}$ as per Einstein's relativistic energy formula.



We can't see a light velocity: $c_r = \gamma.c_0$ at a space ($\gamma.km$) of the protons because the frequency modulation of light is changed. So, a light velocity: c is not a constant.

Thus, I think that if the protons are accelerated by magneto-electric force to approximate the speed of light, its energy will be larger than the energy calculation as per Einstein's formula. If this is exact, it means that the machine acceleration in LHC will be destroyed. And a variation of light velocity will be seen as light velocity is not constant as per Einstein's postulate in relative theory. This will be proven by the experiment in LHC.

Hanoi, October 7, 2008
 Le Van Cuong