

Review of: "Quantum Cosmology: Cosmology directly linked to the Planck Scale in General Relativity Theory and Newton Gravity"

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Potential competing interests: No potential competing interests to declare.

Reviewer comment for paper:

Quantum Cosmology: Cosmology directly linked to the Planck Scale in General Relativity Theory and Newton Gravity, by: Espen, Gaarder Haug

I read this paper and understand it has not have enough motivation and it should be improved. In fact the used idea should can resolve essential problems which are exist in the scientific literature. In other word, all that is mentioned in the text of the article, as the author has stated, is the use of Planck's length and the speed of light or gravity as a fundamental unit instead of units that Planck used for the first time, and in the meantime, ignoring or downplaying Newton's constant. This, in my opinion, does not express anything new unless this fundamental choice can solve one of the fundamental problems that science struggles with.

In relation to knowing the value of Newton's constant, it is enough to remember Cavendish's experiment, in which the Newton`s constant was found with a very high accuracy that to be a fundamental constant in determining the force of Newton's gravity.

While in the present paper, if, for example, the speed of light or gravity were considered less important instead of Newton's constant, and we present a new formulation in which the speed of light is absent, then there is not happened new.

Therefore, in my opinion, these formulations are just the new definition of the parameters and cannot be more than that. Of course, if we remember Dirac's (dimensionless) number hypothesis, (he gave credit to dimensionless mathematical numbers and discredited the validity of experimental measurements of dimensional constants in physics,) it had something to say in terms of mathematical logic and a philosophical perspective.

By regarding this the author should improve the present version of the manuscript to give out theoretical models or, at least, it should be strengthened so that it brings a new worldview and attitude behind it. Unfortunately I don't see at the moment with this version.

sincerely yours



reviewer