Review of: "The origin of dark energy and dark matter: the galactic antigravitation"

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Potential competing interests: No potential competing interests to declare.

The author has attempted to explain ‘dark sector’ of the Universe with new lenses in the article “The origin of dark energy and dark matter: the galactic anti-gravitation”. Although I encourage new approaches to understand our Universe but to introduce such an alternative aspect the author should establish his theory with more scientific arguments.

I may suggest few points to add in the modified manuscript or for his future prospects,

1) The author has introduced a new mediator of gravity, named Keplerons. As it is a new fundamental particle, the author should clarify its properties in detail (since it is stated that Keplerons are not bosons or fermions).

Also, since in literature graviton is a popular candidate for the mediator of gravity it will be nice if the author includes a paragraph by comparing their new candidate Kepleron with graviton.

2)It would be impactful and more acceptable if the authors could establish his model from tensor calculations.

3) The author should label the x-axes and y-axes of the figures.

4) Also, it is important to verify that whether this model can explain the results of present day cosmological experiments (for example, experiments related to SNIa, BAO, galaxy surveys etc.). It may be beyond the scope of this work but this vitrifaction should be done in future works to provide his model a strong pedestal.

I appreciate the authors effort to understand the Universe in a new way but I recommend to establish his views with more rigorous arguments.