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SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_31388
Title of the Manuscript:	Toy model of evolving quantum cosmology with dark energy
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
I don't consider the general theory of relativity (GRT) and quantum mechanics as "head" and "tail" of	
the "cosmic coin", as the author of this paper believes. Since the standard model of the Universe	
dynamics, based on the GRT, is not yet able to give answers to questions about the essence of the	
dark energy and dark matter (96% of the University energy) as well as a physical essence of	
gravity. The acuteness of the problems of the standard model has been intensified by the failed	
the assemblagical term in the aquations of the GPT with the parameters of the physical vacuum	
introduced in the physics of elementary particles (the differences can be over a hundred orders of	
magnitude!) Therefore I believe that it is necessary to look for new approaches to the	
understanding of the Universe dynamics and search a new image of the "cosmic coin".	
In the same time, I believe that the submitted article will be of interest to readers, because the idea	
of using a holographic model of the Universe in relation to the dynamics is discussed in the	
literature. The author of the paper has developed a "toy model" in accordance with the GRT ideas	
and estimated matter density and dark matter density with reference to the ratio of critical energy	
density to thermal energy density. As the PSIJ will publish review comments on the article and the	
article's author answers to these questions, publication of the article will initiate further useful	
discussion.	
However, I believe the following corrections must be done in the article	
First of all it is necessary to keep in mind that introduced the Planck scale Hubble parameter H_{e_1}	
determined from dimensional considerations, i.e. up to a factor ~ 1 (factor specified in different	
models in different ways, f.e. http://arxiv.org/abs/1701.08073). This means that it is possible to	
discuss only the qualitative behavior of the considered time dependencies with using such	
normalization of time. Therefore, even strange to see such an approximate equality with the large	
number of digits after the decimal point: $H_{pl} \cong 1.854921 \times 10^{43}$ sec ⁻¹ . And such expressions are	
present throughout the manuscript. In the cited numerical values is no need to store a lot of digits	
after the decimal point, leaving only two digits after the decimal point, for example, $H_{Pl} \approx 1.85 \times$	
10^{43} sec^{-1} . It relates to the whole text as well as to Eqs. (1)-(4), (10), (12)-(14), (18), (21), (24)-((27)).	
(31).	
Secondly, Tables 1, 3 and 4 should be removed from the article. Information in this form is very	
difficult for perceiving the reader. Moreover, that article has a lot of illustrative material without these	
l adies.	

Reviewer Details:

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