



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	<b>Ms_PSIJ_28694</b>
Title of the Manuscript:	<b>PARTICLE CREATION AND STRUCTURE OF ATOMIC NUCLEI IN THE UNIVERSE MODEL WITH MINIMAL INITIAL ENTROPY</b>
Type of the Article	<b>Original Research Article</b>

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b><u>Compulsory</u></b> REVISION comments	<p>The author discusses the particle creation and structure of atomic nuclei by using the law of similarity and the law of unity. I think the idea proposed here is too speculative. Also, the scope of the paper is unclear as the author does not explicitly state which problem is going to address. Can the model give a better explanatory power to the existing phenomena? It seems that the theoretical framework is not the same as the existing particle physics. If it is the case, the author needs to provide more arguments why we need to accept the new framework.</p> <p>There is one prediction generated in the paper, which is the existence of "bineutrons". The author can discuss more about this prediction and how could we verify it in the Large-Hadron-Collider experiment. Also, the author should put more emphasis on the model description as the scope of the paper is unclear.</p>	<p>In revised version author added some details on Universe Birth with Minimal Initial Entropy Model. According to this model Scalar Field directly produces neutron matter. Current manuscript legalizes molecular structure of atomic nucleus (<math>Z &gt; 3</math>) and systemizes bosons of interaction on different hierarchical levels. In particular, it was shown, that particles of World-4 have interaction between each other because of bineutrons transfer, which life time is much longer than life time of pions. Revised version of manuscript also contains extended References list.</p>
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		