



**SDI FINAL EVALUATION FORM 1.1**

**PART 1:**

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

**PART 2:**

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>The author has made some changes in the revised version, including some references and discussions. However, the author does not emphasize enough on why we have to follow this model rather than the existing standard model.</p> <p>In general, I think this paper can provide some insight on new model development.</p>	<p>Standard model exists for some time and many efforts were made to improve it. But initial irrelevances of it haven't gone from it with time and improvements. Purpose of New Model creation rather than developing of standard model were described in detail in paper [1]. Let me give one citation:</p> <p>“Model G.A. Gamow required answering some important questions. In particular, if all matter was concentrated in a singularity, then why a black hole did not appear there? What determines the arrow of time? Does the Universe have any boundary in space? Are the laws of thermodynamics true in the process of evolution of the Universe? If the Universe is infinite, why night is dark? Can there a space exist without matter? And many others, not less important and fundamental issues.</p> <p>Unfortunately, the numerous models of the birth and evolution of the Universe bypass some of these important issues and therefore can not be acceptable, because clearly are in the contrary with laws of physics. There are attempts have been done to remove some of the contradictions of the standard model. For example, it was developed the inflationary model of the Universe. However, in this case, some contradictions are simply replaced by others. Therefore, the problem of birth and evolution of the Universe is extremely urgent.</p> <p>In this situation, the author decided to offer its own model that would not contradict the named physical principles and uniquely would be able to answer these questions. The Laws of similarity and unity everywhere in the Universe have put into the base of model proposed by the author.”</p> <p>Current manuscript is based on paper [1]. Do you think some arguments from paper [1] concerning new model creation instead of further development of standard model need to be duplicated in current manuscript?</p>