



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_24280
Title of the Manuscript:	The mass lowest limit of a black hole: the hydrodynamic approach to quantum gravity
Type of the Article	

**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		
<b><u>Minor</u></b> REVISION comments	<p>On line 104, bewteen formula 10 and 11, the concept of the negative energy is not given a rigid definition, so is the antiparticle. It would be better to give just one example in real life, to help the reader to understand the entire concept of the non-euclidean potential.</p> <p>There is a typo on line 158, the notation does not match with the formulae above.</p> <p>Lines 370 to 387 has different line space.</p> <p>Lines 635 to 637 have different font size.</p>	<p>More explanation about the negative energy states of antiparticles and about the quantum potential has been introduced in section 4. On line 104 a recall to section 4 has been inserted. All typos have been corrected.</p>
<b><u>Optional/General</u></b> comments	<p>The quantum gravitational equations are derived by using the quantum hydrodynamic description. The biunique relation between the solution of the standard quantum mechanics and that one of the hydrodynamic model is completed by the quantization that is given by imposing the irrotational condition to the momentum field</p> <p>The abstract is poorly written, so is the conclusion, need some improvements.</p>	<p>Abstract and conclusions have been tentatively improved.</p>