



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	2015_PSIJ_17812
Title of the Manuscript:	The thermodynamics of a gravitating vacuum
Type of the Article	Review Paper

**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**

	Reviewer's comment	Author's comment (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)
<b><u>Compulsory</u></b> REVISION comments	<p>1-Equation 1 is classical and an effective cosmological constant was discussed largely in literature through different contexts mainly through quantum gravity, e.g. Rev. Mod. Phys. 61, 1-23 (1989); EJP 7 (2005) 27-46; Commun. Theor. Phys. 57 (2012) 607-610; PLB619, 26-29 (2005); arXiv: 1412.2350...</p> <p>2-equation 3 is related to <math>g_3</math> and not <math>g_4</math>, why? explanation is required.</p> <p>3-the conjecture used after equation (2.3) which leads to equation (2.4) is not based on any physical observation.</p> <p>4-equations (4.5) and (5.2) (linear expansion) does not agree with observations.</p> <p>5-the paper seems without conclusions.</p>	
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		

**Reviewer Details:**

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Department, University & Country	<b>Neijiang Normal University, China</b>