



## **SDI Review Form 1.6**

### **PART 1:**

Journal Name:	<a href="#">Physical Review &amp; Research International</a>
Manuscript Number:	<b>MS: 2012_PRR1 2898</b>
Title of the Manuscript:	<b>Quantum Effects on Rayleigh-Taylor instability of a plasma-vacuum.</b>

**General guideline for Peer Review process is available in this link:**

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

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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### PART 2: 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>Compulsory</b> REVISION comments	<ol style="list-style-type: none"> <li>Author should explain in details- <ol style="list-style-type: none"> <li>What is the necessity of studding the RTI in quantum plasma again?</li> <li>What is/are the new addition from previous work?</li> <li>How the present results are significantly different from previous work?</li> </ol> </li> <li>Author should explain elaborately, “ In this analysis the perturbation.....can not return to the initial case” in last 3 lines of page 4.</li> <li>“Eliminating some of the variables from system of Eqs. (22)-(27)..” before Eq. (28) is not sufficient to write Eq. (28). Author should make clear how Eq. (28) is obtained. Similarly, some explanation or mathematical terms should be added to make Eq. (31), (32), (35) and (39) more clear to a reader.</li> <li>Some notification used without its definition, like <math>\sigma</math> and <math>k</math>. Author should explain „<math>\rho</math> is the density, <math>p</math> thermal pressure, <math>g</math> is the gravitational acceleration” of what? Author should define some notifications more specifically without giving only reference, like <math>\chi_{ij}</math> after Eq. (13); A, B and C after Eq. (28) etc.</li> </ol>	
<b>Minor</b> REVISION comments	<ol style="list-style-type: none"> <li>It is not clear to me what does author mean “..... are given in Eqs. (13)-(15) in Hoshoudy” after Eq.(19).</li> <li>In Eq. (20) and (21) „<math>\chi_{ij}</math> represents <math>\chi_{ij} = \frac{h^2}{2m^2} \frac{\partial^2 \rho}{\partial x_i \partial x_j}</math>” is</li> </ol>	



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	<p>more suitable than „ equal to <math>\mu_{\text{eff}}^{\text{H}} = \mu_{\text{eff}}^{\text{H}} + \mu_{\text{eff}}^{\text{H}} \mu_{\text{eff}}^{\text{H}}</math>“.</p> <p>3. Author should careful about printing mistake, like full stop missing after end of 1<sup>st</sup> paragraph of page 4, „the surface“ should be „The surface“ at 2<sup>nd</sup> line of 2<sup>nd</sup> paragraph of page 4, „ are constant“ will be replaced by</p> <p>” etc.</p>	
<b><u>Optional/General</u></b> comments		

**Reviewer Details:**

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