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PART 1:

Journal Name:	Physical Review & Research International
Manuscript Number:	**MS: 2012_PRRI 2898**
Title of the Manuscript:	**Quantum Effects on Rayleigh-Taylor instability of a plasma-vacuum.**

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)*
Compulsory REVISION comments	**The author has studied the Rayleigh-Taylor (RT) instability of unmagnetized quantum plasma layer supported by magnetized vacuum layer.** **I could not recommend it for publication, because the manuscript is written in a very sloppy manner and obtained results are not discussed with proper physical reasons.** **No explanation has been given, under what physical conditions; the quantum term appears in the model by considering thermal pressure of electrons. How much this quantum term in comparison with the classical pressure of electrons? No explanation of Eq.(4) is given in the manuscript. What is the expression of Q, Q_{x1}, Q_{x2},Q_{x3} in Eq.(22-24) the A, B, C in Eq.(28), are not written clearly. What is P_s in Eq.(7), not explained. How Eq. (39) gives RT instability in classical limit seems to me, is wrongly derived. How it gives instability, the conditions are not written. How Eq.(40) gives the growth rate of RT instability as described in the graph. Not explained. Why the author has not plotted with growth rate and wave number. Why he is plotting the graph with their square. All the numerical values described for plots are fictitious and in vague. Have they any relevance to any physical quantum system, not clear. There are lot of mistakes in English grammar in the manuscript. Most of the sentences are not in complete form.**	

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Minor REVISION comments		
Optional/General comments	**In my view, the over model and results are fictitious and have no relevance to any physical quantum system, so this manuscript has to be rejected.**	

Note: Anonymous Reviewer