



SDI Review Form 1.6

Journal Name:	<u>Physical Science International Journal</u>
Manuscript Number:	Ms_PSIJ_31508
Title of the Manuscript:	The Influence of Suspended Particles on Jeans Instability in Magneto Quantum Plasma with Thermal Conductivity
Type of the Article	Original Research 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

	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	-Is the reduction rate of growth rate increasing as the magnetic field increasing? Based on Fig. 1 there was possibility of the reduction of growth rate increasing. Need further elaboration. - Is the reducing rate of growth rate decreasing as the Stoke drag increased? Based on Fig. 2, there is a possibility, therefore need to test for higher Stoke drag. -Statement in section 4.2: "In this equation two factors." is not clear or grammatical error. Need clarification which equation and two factors? -Statement in section 4.2:"magnetic field and quantum correction can be easily obtained from the constant term of equation (22) is given by" is not clear. Need clarification what it meant? -Statement before conclusion: "From Fig 6 we infer that the growth rate increases with increasing suspended particles" but the Fig 6 shows that the growth rate decreases /increases depending on the suspended particles magnitude. Need clarification.	1. In fig. 1 the growth rate of instability is decreasing when the value of the magnetic field is increasing. 2. In fig. 2 the value of Stoke drag parameter increasing then the growth rate of instability is decreasing. 3. In section 4.2, the dispersion relation (eq. 21) have two factors. 4. In equation (22) the constant term is combined effect of thermal conductivity, magnetic field and quantum correction. We find the condition of instability from equation (22) by their constant term easily. 5. From fig. 6 we infer that the growth rate of instability decreases with increasing suspended particles.



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<u>Minor</u> REVISION comments	-Fonts and spacing for introduction should be same as other subchapter. -Format for equations should be consistent and equations should be clearly written with the equation number at the right margin (end spacing). -Better to include the findings or conclusion (in brief) of the references instead just mentioned/cited the references. -There were some spelling errors. -Better to include equation number clearly in the text, such as (eq. 15) instead writing (15).	6. Fonts and spacing for introduction are modified and all the equations are clearly written with the equation number. 7. We correct some spelling errors. All the corrections in our manuscript are complete by us given the report of reviewers comments.
<u>Optional/General</u> comments	Need more recent references.	We add some new references our manuscript.