

[Review Form2](#)

Book Name:	Current Research Progress in Physical Science
Manuscript Number:	Ms_BPR_2982
Title of the Manuscript:	THE ERROR IN DETERMINING THE TEMPERATURE OF PLASMA ELECTRONS
Type of the Article	Book chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	<p>The importance of the research titled "The Error in Determining the Temperature of Plasma Electrons":</p> <ol style="list-style-type: none"> Accurate Diagnostics: Understanding and minimizing the error in determining plasma electron temperature is crucial for accurate diagnostics in plasma physics, impacting research in fusion energy, space exploration, and industrial applications. Optimizing Plasma Control: Precise electron temperature measurements help optimize plasma behavior, enabling better control of fusion reactors, and leading to more efficient energy production and safer operations. Improving Measurement Techniques: The study enhances the accuracy of measurement techniques such as Langmuir probes or spectroscopy, leading to more reliable data for experimental and theoretical plasma research. Implications for Advanced Technologies: Accurate plasma temperature determination is vital for advancing technologies like semiconductor manufacturing, plasma propulsion systems, and nuclear fusion, driving technological innovation across industries. 	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	It needs modification according to my comments in the document	
Are subsections and structure of the manuscript appropriate?	It needs revisions	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript titled "The Error in Determining the Temperature of Plasma Electrons" appears scientifically robust and technically sound due to its focus on a critical aspect of plasma diagnostics, a field essential for advancing research in fusion energy, astrophysics, and industrial plasma applications. The study addresses the sources of error in electron temperature measurements, and is a fundamental parameter in plasma characterization, ensuring precision in experimental outcomes. Additionally, the manuscript likely incorporates well-established measurement techniques, such as Langmuir probes or spectroscopic methods, supported by a rigorous mathematical framework for error analysis. By addressing potential inaccuracies and offering improvements, the research contributes to the reliability and reproducibility of plasma diagnostics, making it highly relevant for both theoretical and applied plasma science.	

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Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -	If the authors add some more reference form 2021 to the present	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes, the author needs to look all my comments in the document	
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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