Review Form3

Book Name:	Current Research Progress in Physical Science
Manuscript Number:	**Ms_BPR_4113**
Title of the Manuscript:	**The principle of commensurability of conserved quantities as a basis for solving quantum mechanics problems using integer theory**
Type of the Article	**Book chapter**

PART 1: Comments

	Reviewer's comment	**Author's Feedback***(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimumof 3-4 sentences may be required for this part.	**The manuscript claims to provide a new perspective on the foundations of quantum mechanics by introducing the "principle of commensurability of conserved quantities." This principle posits that conserved quantities in physical interactions must have a common measure, expressible as integers2. The author attempts to demonstrate the application of this principle to the classic problem of hydrogen-like atom radiation3. However, the manuscript has several critical flaws that undermine its scientific validity and significance.**	
Is the title of the article suitable? (If not please suggest an alternative title)	**No**	
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.	**No**	
Is the manuscript scientifically, correct? Please write here.	**No**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -	**No**	

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Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/Generalcomments	**Firstly, the proposed principle lacks sufficient theoretical justification and connection to established physical theories.** The author does not adequately explain why the commensurability of conserved quantities is a necessary condition for physical interactions. The manuscript does not engage with the well-established mathematical formalism of quantum mechanics, making it difficult to assess the validity and implications of the proposed principle. **Secondly, the author's application of the principle to the hydrogen atom problem involves a series of ad hoc assumptions and a selective interpretation of mathematical results.** For instance, the author arbitrarily selects specific rational numbers to fit the observed spectral series without providing a clear physical justification456. This approach appears to be a post hoc rationalization of the known results rather than a predictive theoretical framework. **Thirdly, the manuscript suffers from a lack of clarity and rigor in its presentation.** The mathematical derivations are often incomplete and difficult to follow. The author's use of terminology is inconsistent and at times confusing. The language and writing style are not suitable for scholarly communication. **Overall, the manuscript's ambitious claims are not supported by the presented arguments and evidence.** The proposed "principle of commensurability" lacks a solid theoretical foundation and its application to the hydrogen atom problem is unconvincing. The manuscript's lack of clarity and rigor further detracts from its scientific value.	

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?	***(If yes, Kindly please write down the ethical issues here in details)***	

Reviewer Details:

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