



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_23750
Title of the Manuscript:	PERFORMANCE OF 19.75% UO ₂ FUEL MATERIAL IN THE CORE OF NIGERIA MINIATURE NEUTRON SOURCE REACTOR (MNSR)
Type of Article	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>At the time of the first review I had hope that the authors would be more careful in reorganizing the manuscript. Unfortunately, this is not the case. The revised version is more confusing than the earlier version.</p> <p>My comments are:</p> <ol style="list-style-type: none"> 1- The parts of the (text, tables and figures) dealing with results of computational study is highly disorganized. Lack of logical sequence is evident throughout the manuscript. 2- Figure 1 does not provide all details of the core materials. Figures 2 and 3 could be combined into one to allow easy visual analysis of the differences between LEU and HEU. 3- The sequence of presentation of tables is not consistent with the sequence of figures. Consequently, reading the manuscript and understanding the essence of the work has become a difficult task. 4- In several places, the text and tables have to be "moved around" in order to make sense out of the manuscript. 5- Error analysis is missing in the results. 6- Code systems used for obtaining results are not referenced. 7- Since the work deals with a proposal to remodel the operating scheme of a nuclear reactor, the authors should have exercised more care in preparation of this work. 8- The manuscript should be returned to the authors for a detailed and thorough review of the methodology and the results. 9- I do not recommend its publication in its present form. 10- Attached herewith is the revised version with comments and suggestions. 	

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