

Review Form 1.7

| | |
|--------------------------|--|
| Journal Name: | Physical Science International Journal |
| Manuscript Number: | Ms_PSIJ_99233 |
| Title of the Manuscript: | Using I135-Xe135 parent-daughter isotopic activity ratio for dating a recent nuclear event |
| 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:

(<https://www.journalpsij.com/index.php/PSIJ/editorial-policy>)

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) |
|--|---|---|
| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p> | <p>1. yes the manuscript important for scientific community</p> <p>2. yes, the title of the article suitable?</p> <p>3- The abstract of the article comprehensive. What is about other approximations for calculation?</p> <p>4-subsections and structure of the manuscript appropriate what is the cause of the divergence of isotopic activity of Xe-135/I-135 activity as can be seen in Figure 1 and Figure 2.</p> <p>5- Section 1. Highlight the objective of the work</p> <p>The author should give more of the motivation why they choose I135-Xe135 parent-daughter isotopic</p> <p>The authors should give the comparison with other results for the activity report of the nuclear reactor the authors should compare the results obtained by other results given in the literature.</p> <p>6- (10 of 12) refs is out of date (more than 10 years). Update! , the author must cite in sections the references New Year::</p> <p>7. Conclusions should reflect abstract</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>8. Polish the English language;</p> | |
| <p>Optional/General comments</p> | <p>Major Revision</p> | |

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

[Review Form 1.7](#)

Reviewer Details:

| | |
|----------------------------------|--------------------------------|
| Name: | Djebbar Mustapha |
| Department, University & Country | University of Mascara, Algeria |