



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_9686
Title of the Manuscript:	Determination of Cross Section for Different Fusion Reactions in Terms of Lattice Effects in Solid State Internal Conversion in Crystalline Palladium Environment
Type of the Article	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:

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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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	<p>The aim of this work was modification Peter Kalman and Thomas Keszthelyi studies to the other fusion reactions such as $D(d,p)T$, $D(d,\gamma)^4\text{He}$, $T(d,n)^4\text{He}$ of fusion cross section with regarding the lattice effect in solid state internal conversion. Through the analysis of the different reactions, that aim is reached. It was found that the promising results obtained through the reactions $D(p,\gamma)^3\text{He}$ and $D(d,p)T$.</p> <p>The article is a good quality. However, it is necessary to correct a series of typographical and grammatical errors (see attachment).</p>	<ul style="list-style-type: none"> - Peter Kalman and Thomas Keszthelyi studies are focused on $D(p,\gamma)^3\text{He}$ and in this article we considered these 4 reactions and our results show that $D(d,p)T$ is better than $D(p,\gamma)^3\text{He}$. - Typographical and grammatical errors are corrected now.
<u>Optional/General</u> comments		