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Reviewer Invitation for Kerntechnik: Independent Journal for Nuclear Engineering: KERN-2022-0104 - First Inquiry

1 message

Kerntechnik: Independent Journal for Nuclear Engineering

<onbehalfof@manuscriptcentral.com>

Reply-To: Kerntechnik@degruyter.com

To: tarik.reshid@su.edu.krd

Tue, Jan 17, 2023 at
12:46 PM

Dear Dr. Siddik,

Manuscript ID KERN-2022-0104 entitled "Lithium-Lithium Fusion Evaporation Research" by Aksakal, Hüsnü; Yıldız, Ercan has been submitted to Kerntechnik: Independent Journal for Nuclear Engineering (KERN).

I would like to invite you to evaluate the above manuscript with respect to its suitability for publication in KERN. Your expertise in the subject matter of this manuscript will facilitate the editorial decision whether to accept or reject this manuscript based on its scientific content.

In order to accept the invitation, please click the link below to automatically register with our online manuscript submission and review system, or e-mail me with your reply.

*** PLEASE NOTE: This is a two-step process. After clicking on the link, you will be directed to a webpage to confirm. ***

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If you are unable to review at this time, I would appreciate you recommending another expert reviewer. Please click the appropriate link at the bottom of the page. This will open a window where you may enter the name and e-mail address of one or more potential reviewers and comments. You may also e-mail me with your reply.

Once you accept my invitation, you will be notified via e-mail how to access the manuscript and the reviewer instructions.

We would appreciate your reply to this invitation within the next 3-5 days, and receipt of your review within approximately 3 weeks after acceptance.

In case you are willing to evaluate the manuscript but are unable to meet the deadline, please immediately inform the Editorial Office by e-mail at Kerntechnik@degruyter.com.

I realize that our expert reviewers greatly contribute to the high standards of the Journal, and I thank you for your present and/or future participation.

Kind regards,
Ms. Anne Kruessenberg
Editor-in-Chief, Kerntechnik: Independent Journal for Nuclear Engineering

MANUSCRIPT DETAILS

TITLE: Lithium-Lithium Fusion Evaporation Research

AUTHORS: Aksakal, Hüsnü; Yıldız, Ercan

ABSTRACT: In this study we have explored $6\text{Li} + 7\text{Li}$ reactions cross sections dependencies on both nuclear level density and various spin combination effects. Cross section was calculated in the energy range of 0.1-16 MeV projectile of 6Li on the fixed target of 7Li . In these calculations, LISE++, PACE4, NRV and GEMINI codes were used. The excited compound

nucleus (^{13}C) can decay into various channels, and its decay rate in any given channel is proportional to the available phase space, i.e., the corresponding level density of it which is explained in the present study.