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## INJP: Reviewer Invitation for Monte Carlo Simulations of SSNTDs excited by alpha particles emitted by radon, thoron and their decay products

1 message

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Subham Majumdar <em@editorialmanager.com>  
Reply-To: Subham Majumdar <editor@iacs.res.in>  
To: tarik Siddik <tarik.reshid@su.edu.krd>

Fri, Nov 11, 2022 at 9:13 AM

CC: [editor@iacs.res.in](mailto:editor@iacs.res.in)

Ref.: Ms. No. INJP-D-22-00857

Title of the Article: "Monte Carlo Simulations of SSNTDs excited by alpha particles emitted by radon, thoron and their decay products"

Dear Prof. Siddik,

You are invited to kindly review the article "Monte Carlo Simulations of SSNTDs excited by alpha particles emitted by radon, thoron and their decay products" that has been submitted for a possible publication in the Indian Journal of Physics.

This is the abstract:

Solid state nuclear track detectors are excellent detectors, which are despite their simple construction, designed for the detection of ion-target interactions. In this work, ion-target interactions for two different SSNTDs, which are frequently preferred for the detection of radon, thoron and their decay products, were investigated using Monte Carlo Simulation Method and some comparisons were made between these two detectors. Radiation damage and some nuclear events on target detectors irradiated with alpha at different energies were determined by employing SRIM code. In addition, alpha particle production cross sections and yield calculations were made with the Talys 1.95 nuclear code program for the ion-target interaction.

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If possible, we would appreciate receiving your review in 22 days. You may submit your comments online at the above URL. There you will find spaces for confidential comments to the editor, comments for the author and a report form to be completed.

Thanking you for kind co-operation.

With kind regards  
Dr. Subham Majumdar  
Editor-in-Chief

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