

Paper Submission Form - SAIP2025 Proceedings

Sections A, C, D, and E must be completed by all authors (including students) who submit papers. Section B is compulsory for students who submit manuscript(s).

Section A: Paper Submission Information

Paper/Abstract ID	343
Paper title	Effect of SrO on the radiation attenuation properties of boro-tellurate glass systems at a high energy region.
Corresponding Author Name & Surname:	Sifiso Mthalande
Corresponding Author Email Address:	msifiso999@gmail.com

Section B: For Students & Supervisors

Supervisor Name & Surname:	Prof Sifiso Senzo Ntshangase
Supervisor Email Address:	NtshangaseS@unizulu.ac.za

For this paper, the supervisor must agree/disagree with the following statements.

	Yes	No
1. I am aware that the above-mentioned paper is being submitted for possible publication in the Proceedings of the SAIP Conference. I am satisfied that the presented work is that of the listed authors. I hereby give consent to the submission	Yes	
2. I have proof-read the manuscript	Yes	
3. I am satisfied that the manuscript is written in appropriate English and is sufficiently free of grammatical and spelling errors	Yes	
4. I am familiar with the required manuscript format ("House Style"), and I am satisfied that this manuscript meets the criteria. I am aware that manuscripts not conforming with House Style may be desk rejected	Yes	
5. I am satisfied that the scientific content of this manuscript is of sufficient standard for it to be considered for publication in the Proceedings of the South African Institute of Physics Conference Proceedings	Yes	

Student Name & Surname: Sifiso Mthalande

Signature: 

Date: 31/07/2025

Supervisor Name & Surname: Prof S.S Ntshangase

Signature: 

Date: 31/07/2025

Section C: Suggested Reviewers

Obtaining the two referee reports necessary for DHET subsidy is an onerous task.

Please provide the names and contact details of three qualified South African and/or international referees. Referees should have a PhD and expertise in the relevant area of Physics. Do not recommend referees who have co-authored a work with any of the authors on the manuscript within the past five (5) years. Manuscripts without three recommended referees may be subject to desk rejection.

Suggested Reviewers in your Research Field (Both local & international)		
	Reviewer Names & Surname	Reviewer's Email Address(es)
Suggested reviewer #1	Dr Zaky. A Zaky	zaky.a.zaky92@gmail.com
Suggested reviewer #2	Dr Lucky Makhathini	lmakhathini@uwc.ac.za
Suggested reviewer #3	Prof Mandla Msimanga	MsimangaM@tut.ac.za

Section D: Declaration of Novelty and Use of AI

How is this submitted manuscript scientifically novel?

This study investigates the effect of X-ray energy on the radiation shielding properties of boro-tellurate glass systems, with simulation results compared to available experimental data. Building on previous work, we extend the analysis to higher photon energies, specifically in the range of 1 to 15 MeV. Our findings demonstrate that boro-tellurate glass remains an effective gamma-ray shielding material even at these higher energy levels and The effective atomic number have play a big role in attenuation of photons

Please see the Author Guidelines for the AI use policy.

How was AI used in the generation of this manuscript?

I have used the Ai to check gramma and to fix the spelling.

Section E: Plagiarism

	Yes
I am aware that plagiarism detection software may be used on my manuscript.	Yes