

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	#71
Paper title	Enhancing Gamma-Ray Spectrometry Through Convolutional Neural Networks and Kolmogorov–Arnold Networks
Corresponding Author Name & Surname:	Vuako Maluleke
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Section B: For Students & Supervisors

Supervisor Name & Surname:	Edward Nkademeng
Supervisor Email Address:	eknkademeng@tlabs.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	✓	
2. I have proof-read the manuscript	✓	
3. I am satisfied that the manuscript is written in appropriate English and is sufficiently free of grammatical and spelling errors	✓	
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	✓	
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	✓	

Student Name & Surname: Vuako Maluleke Signature: Date: 30 July 2025

Supervisor Name & Surname: Edward Nkademeng Signature: Date: 30 July 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	Calib Buckton	19825706@sun.ac.za
Suggested reviewer #2	Mkhuleni Ngxande	Ngxandem@sun.ac.za
Suggested reviewer #3		

Section D: Declaration of Novelty and Use of AI

How is this submitted manuscript scientifically novel?

The authors declare that the research presented in this manuscript is original and has not been published elsewhere nor is it currently under consideration for publication in any other journal or conference proceedings. This study presents novel scientific contributions in the field of Nuclear Physics. To the best of our knowledge, the findings, methodologies, and conclusions presented in this work have not been previously reported, and they advance the current understanding.

Please see the Author Guidelines for the AI use policy.

How was AI used in the generation of this manuscript?

AI tools were used in the preparation of this manuscript strictly for language-related purposes. These tools assisted in correcting grammar, improving sentence structure, and reducing unintentional plagiarism through paraphrasing.

Section E: Plagiarism

	Yes
I am aware that plagiarism detection software may be used on my manuscript.	<input checked="" type="checkbox"/>