

# 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	228-Bert
Paper title	Parameterizing the Geometry of the QGP on an Event-by-Event Basis
Corresponding Author Name & Surname:	Ben Bert
Corresponding Author Email Address:	ben.bert.1303@gmail.com

## Section B: For Students & Supervisors

Supervisor Name & Surname:	W.A. Horowitz
Supervisor Email Address:	wahorowitz@gmail.com

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	<input type="checkbox"/>	<input type="checkbox"/>
2. I have proof-read the manuscript	<input type="checkbox"/>	<input type="checkbox"/>
3. I am satisfied that the manuscript is written in appropriate English and is sufficiently free of grammatical and spelling errors	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>

Student Name & Surname: Ben Bert

Signature: 

Date: 28/07/2025

Supervisor Name & Surname: W A Horowitz

Signature: 

Date: July 29, 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	Isobel Kolbe	isobel.kolbe@wits.ac.za
Suggested reviewer #2	Azwinndini Muronga	azwinndini.muronga@gmail.com
Suggested reviewer #3	Heribert Weigert	heribert.weigert@uct.ac.za

## Section D: Declaration of Novelty and Use of AI

### How is this submitted manuscript scientifically novel?

Previous applications of the energy loss formalism developed here had not included event-by-event fluctuations and had made static-brick like assumptions for the geomerty of the QGP. In the work presented here, a more realistic geometry is used and event-by-event fluctuations are included in the modeling of the QGP's geometry.

Please see the Author Guidelines for the AI use policy.

### How was AI used in the generation of this manuscript?

AI was used for the formatting of the manuscript presented, it was also used to improve grammar and tone.

## Section E: Plagiarism

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