

# 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	139
Paper title	Triboson Excesses in light of a Real Higgs Triplet Model
Corresponding Author Name & Surname:	Srimoy Bhattacharya
Corresponding Author Email Address:	srinoy.bhattacharya@wits.ac.za

## Section B: For Students & Supervisors

Supervisor Name & Surname:	
Supervisor Email Address:	

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: ..... Signature: ..... Date: .....

Supervisor Name & Surname: ..... Signature: ..... Date: .....

## 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. Abdualazem Fadol	Abdualazem.Fadol@gmail.com
Suggested reviewer #2	Dr. Ammar Abdalgabar	amari@uhb.edu.sa
Suggested reviewer #3	Dr. Vaibhav Rawoot	vaibhavrawoot@gmail.com

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

How is this submitted manuscript scientifically novel?

This study present a novel interpretation of recent multilepton and triboson excesses observed by ATLAS and CMS in terms of a Real Higgs Triplet (RHT) model with zero hypercharge. This work offers one of the first comprehensive phenomenological validations of the RHT model against LHC Triboson data, establishing it as a viable and testable BSM candidate.

Please see the Author Guidelines for the AI use policy.

How was AI used in the generation of this manuscript?

Artificial Intelligence tools were employed solely for non-scientific support tasks such as grammar correction, formatting assistance, and rendering equations in LaTeX. All theoretical developments, data analyses, simulations, and interpretations were performed independently without the aid of AI.

## Section E: Plagiarism

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