

# Strategies to encourage young females to pursue Physics in South Africa: Achievements and Challenges

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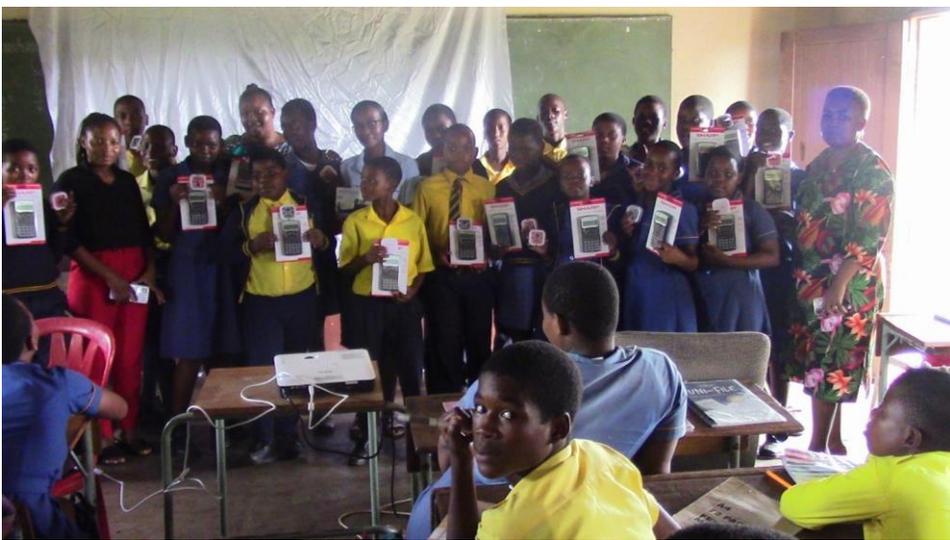
# WIPISA

Women in Physics in South Africa

to encourage girls and women to study physics

to assist in removing or overcoming obstacles and barriers for girls and women

to encourage and support women to work in physics-related careers



# Outreaches



# Departmental lunches



# Other activities - webinars, role modelling, radio and tv interviews, etc.

**WiPISA**  
PRESENTS WOMEN'S MONTH 2022  
**AGAINST GRAVITY**

**Title:** Shedding Light on a Particularly Dark Matter

**Speaker:** Ms Javeria Makda

**Date:** 19 August 2022

**Register Link:** [click here](https://bit.ly/FameLab_Signup_2022)

**Time:** 12:00 ~ 13:00 GMT+2

**ABSTRACT**

The inference of Dark Matter is a relatively recent concept in Physics. Although, we have not detected it directly yet, there are several indirect methods put into place to measure its effects. This talk will provide a brief overview of what Dark Matter is, why its existence is needed in the universe and the ways in which we place constraints on its density and distribution.

**Ms Javeria Makda**  
Wits University/CERN  
@TheVeganPhysicist

**OneSimo** is a high-energy PhD candidate specialising in high-energy particle physics. She works as a data analyst searching for new #physics in the ATLAS experiment at CERN. She is also the student representative for the Women in Physics in SA Forum and a tour guide at CERN where she introduces people to CERN's mission and achievements. OneSimo is as passionate about science communication as she is about the mountains she loves to climb.

Experience this wonderful opportunity - click here to find out more: [https://bit.ly/FameLab\\_Signup\\_2022](https://bit.ly/FameLab_Signup_2022)

#FameLab #FameLabSA #FameLabSAsemifinalist2022 #scicomm  
SAASTA Wits - University of the Witwatersrand Department of Science and Innovation The National Institute for Theoretical and Computational Sciences

Never be afraid of asking a question even if you feel like it may be a silly question (there's no such thing!)

**OneSimo Mtshaliene**  
Wits University/CERN  
@TheVeganPhysicist



**WiPISA RADIO INTERVIEW**

With:  
**MAKHADO FM 107.3**

**Dr Katekani Shingange**  
Post-Doc Researcher: CSIR

25 Nov. 2022  
12:35 pm  
@WomenInPhysicsInSA

WiPISA wishes you a **HAPPY INTERNATIONAL DAY OF WOMEN AND GIRLS IN SCIENCE**

**11 FEBRUARY 2023**

#Internationaldayofwomenandgirlsinscience  
#WomenInPhysicsInSA  
#WiPISA

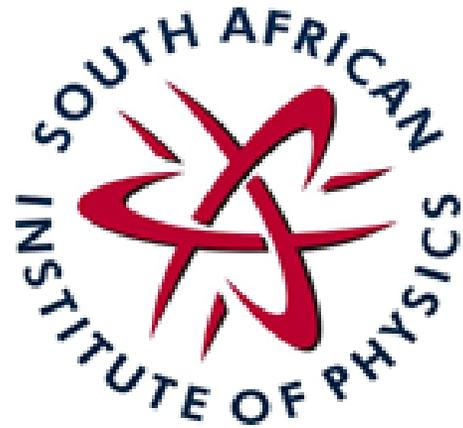
**WOMEN IN PHYSICS IN SOUTH AFRICA**  
**#AGAINST GRAVITY**  
IN CELEBRATION OF WOMEN IN PHYSICS

**PROF IRVY (IGLE)**  
Adjunct Professor in Flow Physics at the University of the Witwatersrand.

"As a female leader, you can perform better than your male counterparts"

**SAIP | WiPISA**  
The WiPISA forum was formed under the South African Institute of Physics (SAIP) under the Department of Science and Technology (DST) as a means of addressing the under representation of women in physics internationally.

# Acknowledgements



8<sup>th</sup> International Conference on Women in Physics



*Thank you*